



**NOTE TO CENSORS: We use only government data
If you have a problem with the results
speak to the government**

Exponential Lie : Professor Gary Hanington and ElkoDaily.com

*** Contact Your Lawyers *
and the FBI**

American Lawyers are supposed to like money.

Show them this presentation.

The FBI too... see whose side they are on.



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NOTE TO CENSORS:

**This presentation is being made
available to be forwarded to the FBI.**

**If you interfere with it you are
obstructing justice.**



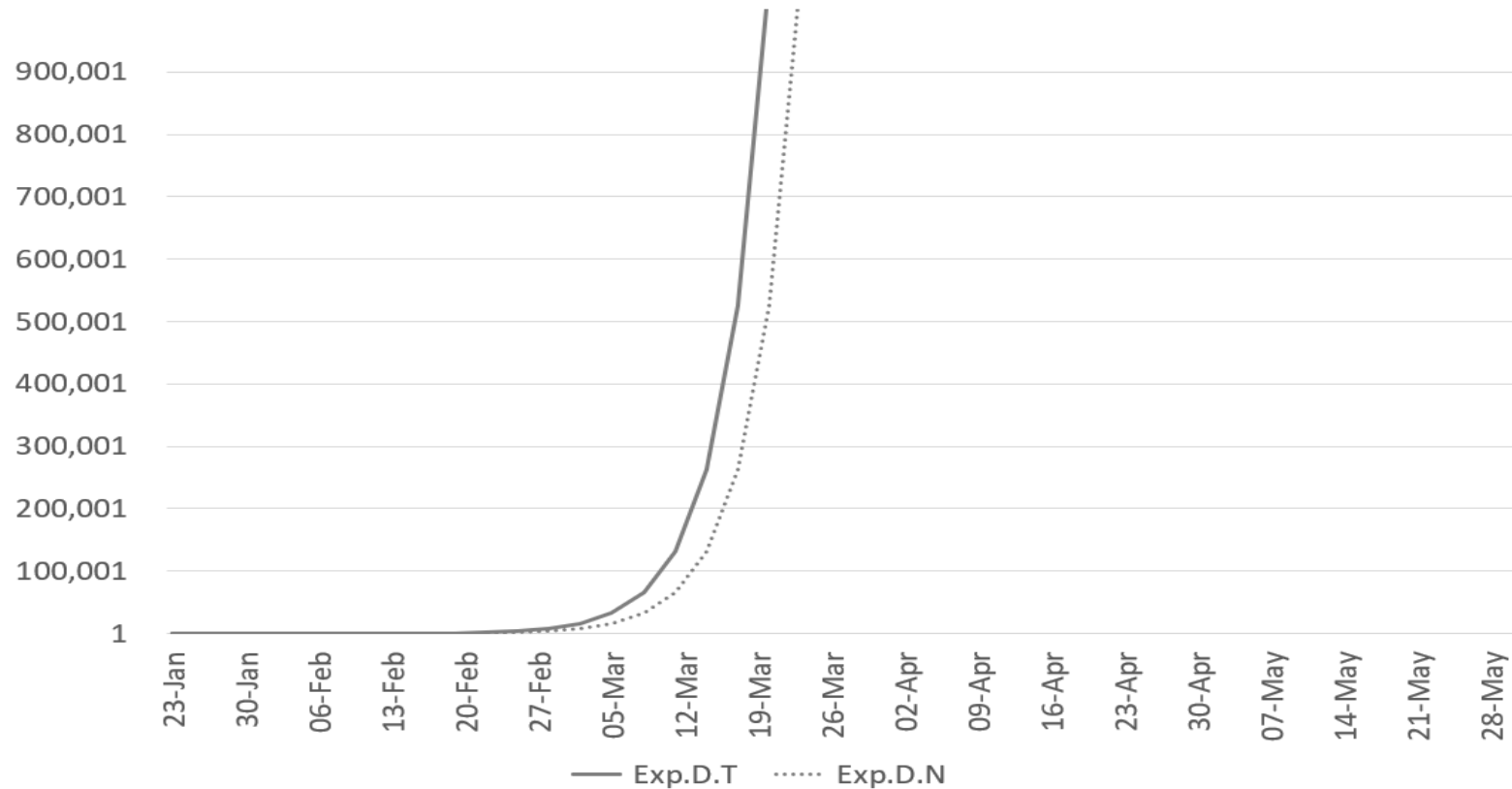
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There is only one definition of “Exponential”
that is accurate and formal:
it is a function of the form $f(x) = b^x$
or in Excel notation Power(b, x)



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Data Available to Professor Ferguson before March 3rd, 16th, 23rd 2020
Populations normalised to 100m, Hubei = $x100/59.17$ UK = $x100/66$
For a given factor N_f ('New case' factor) eg:
each person infects 1 other person per cycle

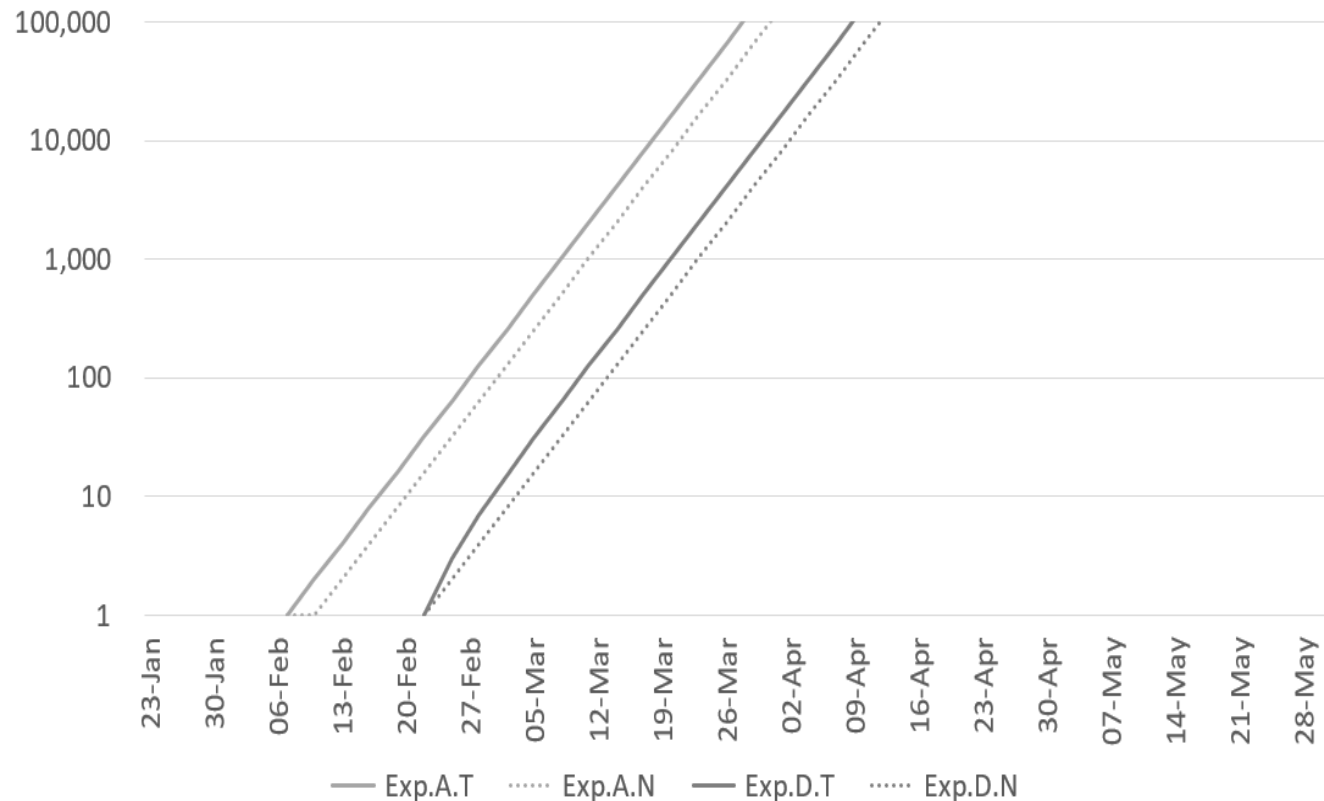


On linear scale it produces a line like this, familiar no doubt from articles about the “exponential” growth of the virus



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For a given factor eg: each person infects 1 other person per cycle
(eg her: $N_f = 100\%$, after the first cycle, it is equivalent to an E_f of $N_f + 1$)

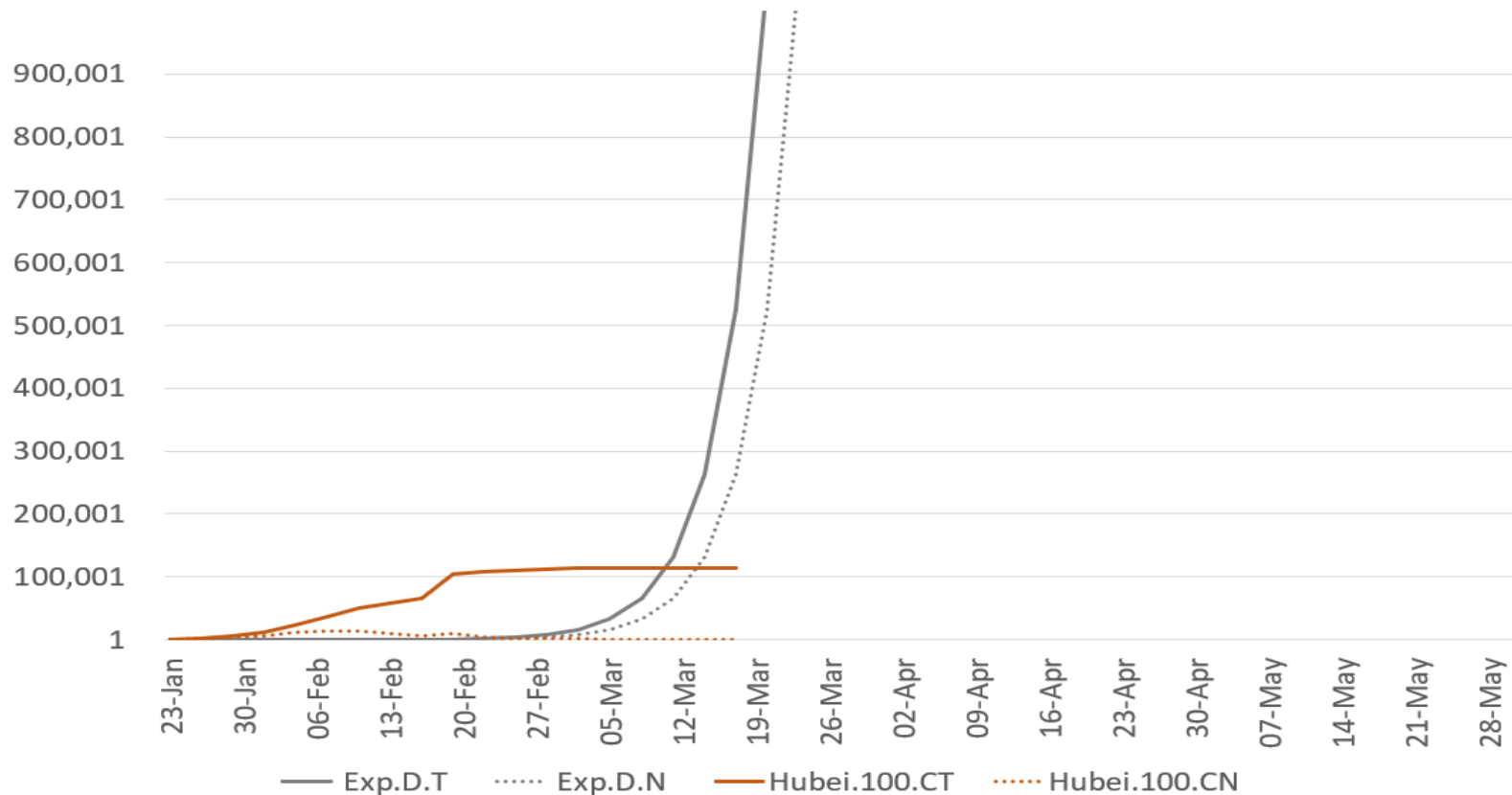


On a log scale it produces a line like this, not so familiar perhaps as it doesn't look so scary, but it's scary enough.



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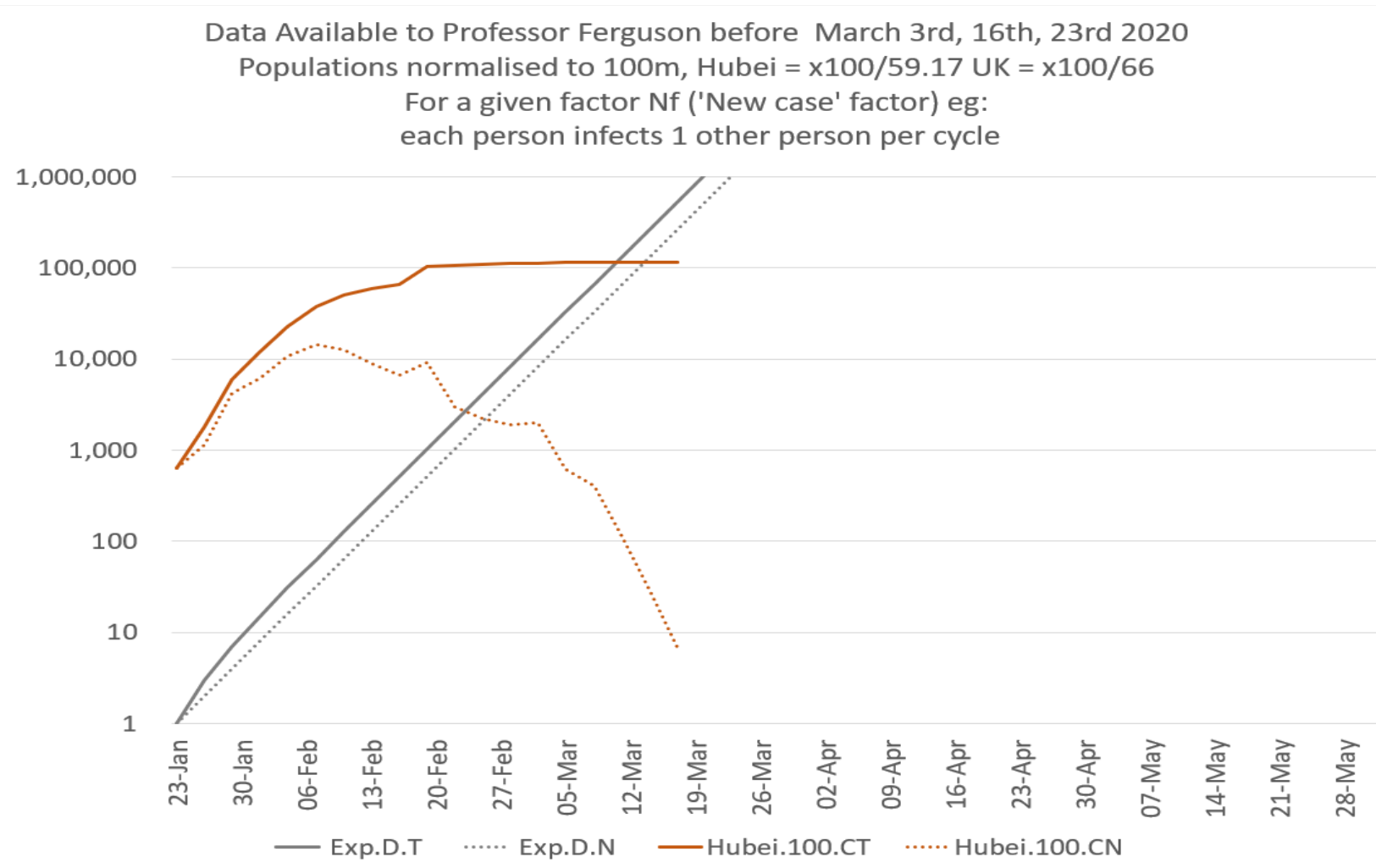


There's only one
 problem: here's Hubei,
 worst hit province in
 China.

Does that bear any
 resemblance to the
 exponential curves?



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Here it is in log scales.
Exponential growth
is linear on a log scale

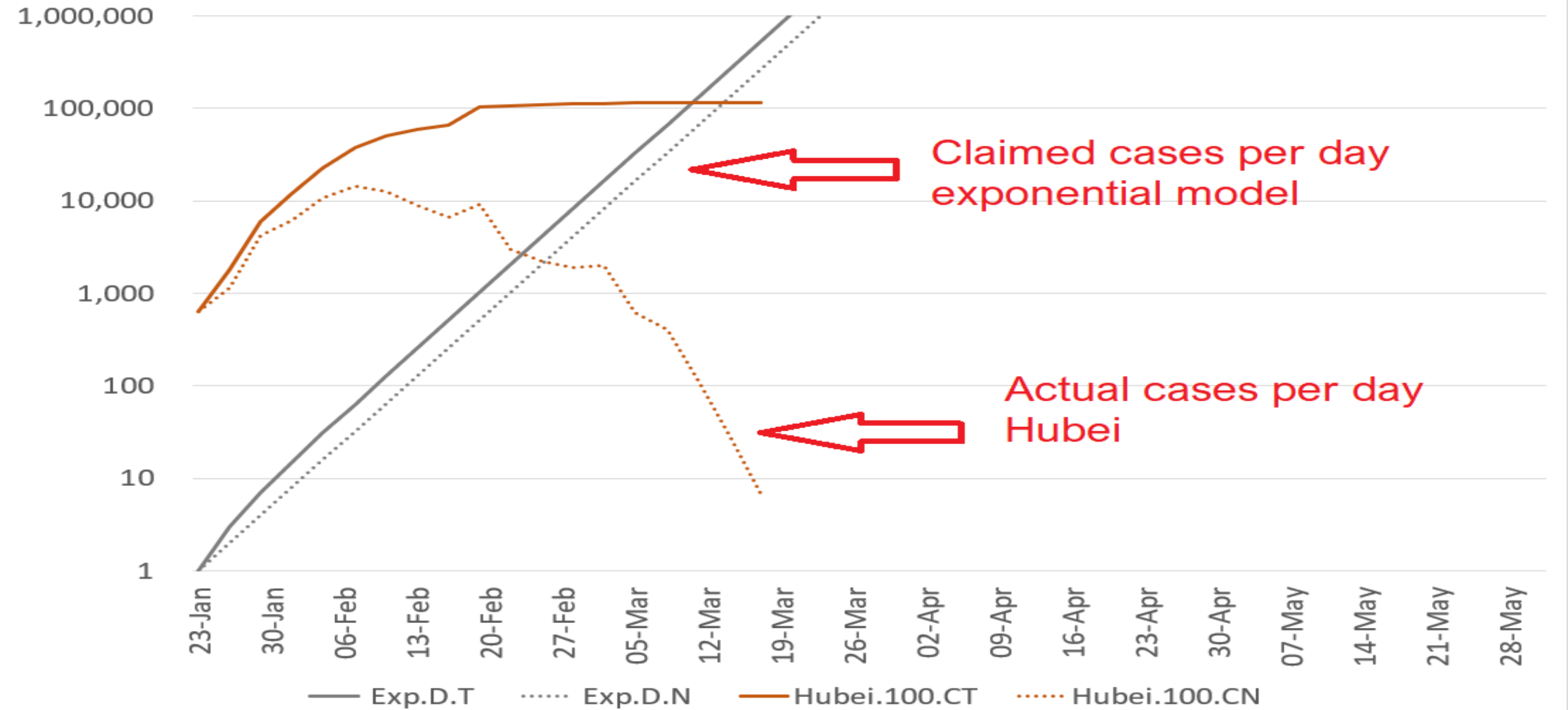
Does anything other
than Hubei being OVER
look linear in either total
cases or daily cases?



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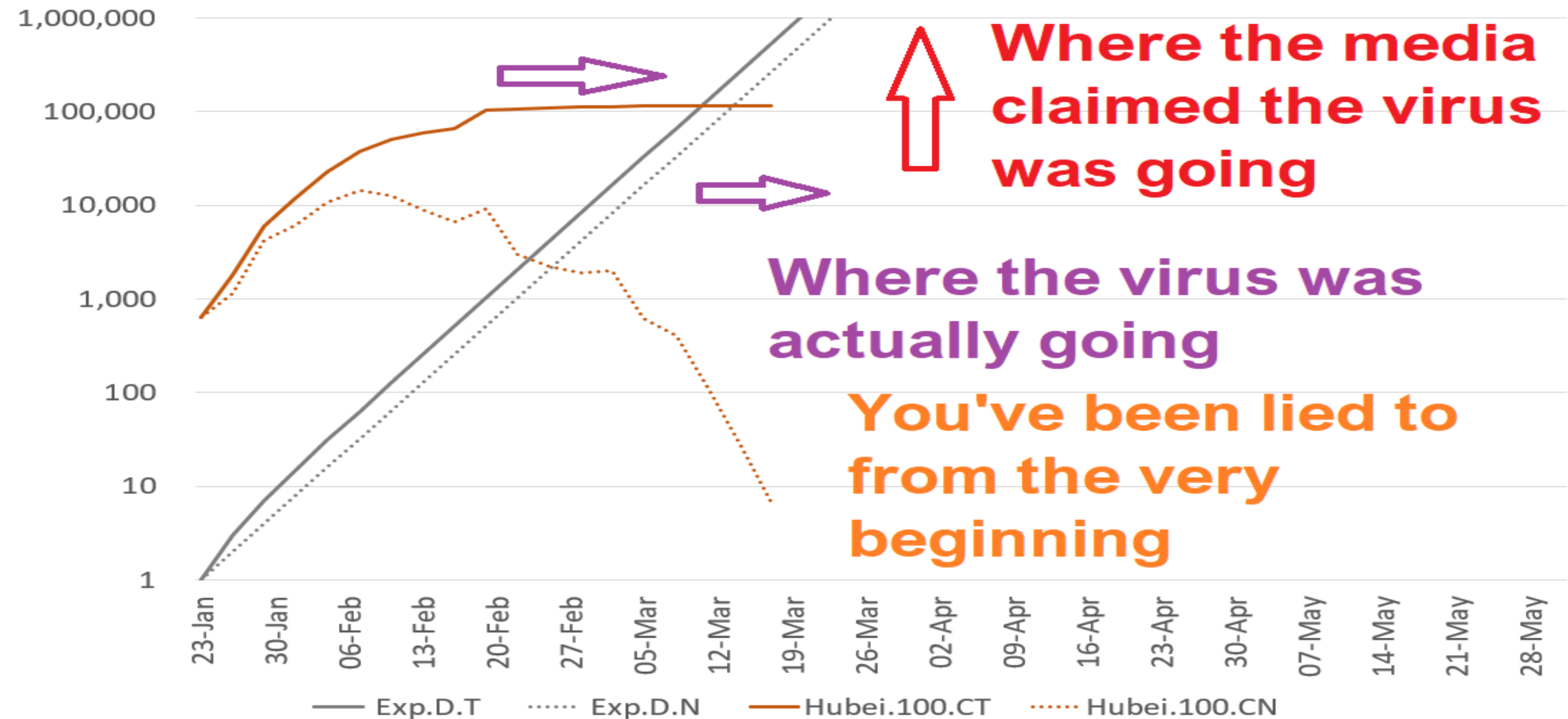
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China lied?

China gave us the death rates per age, still good.

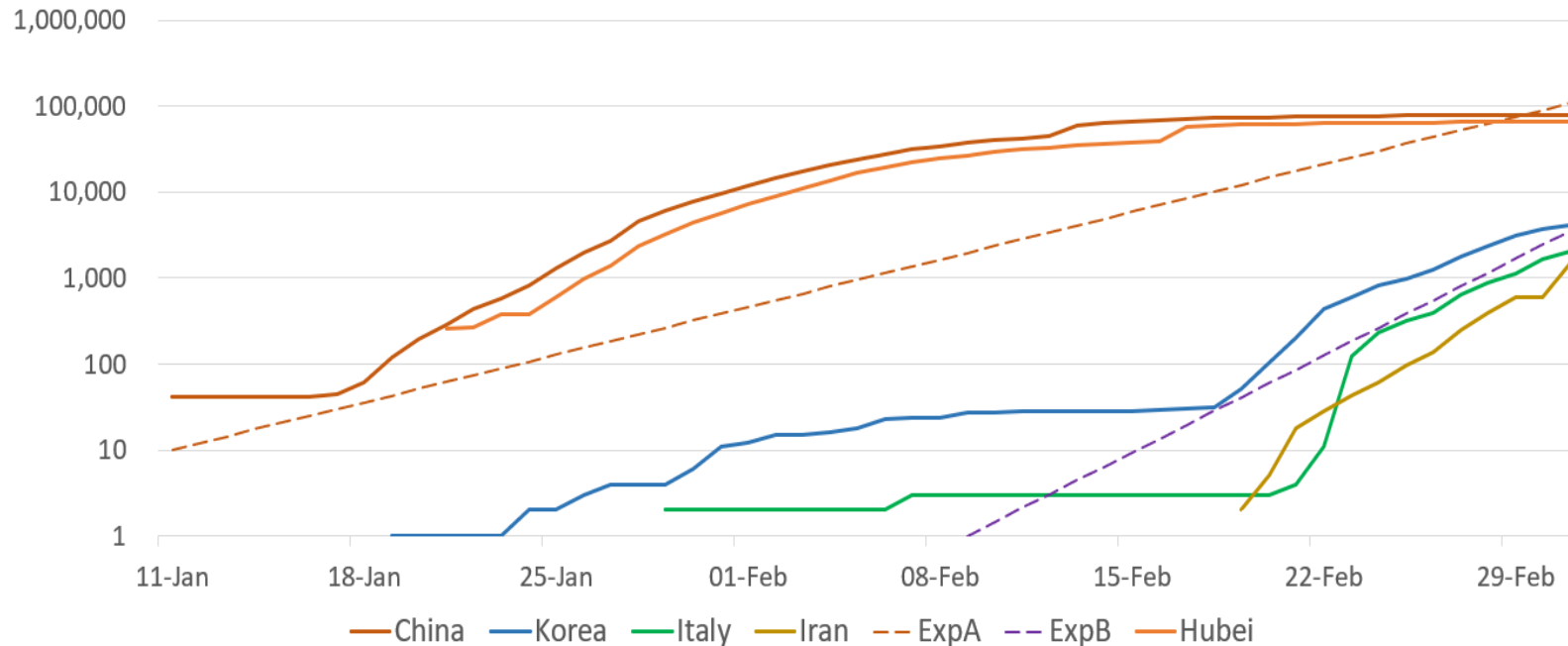
China gave us their regional breakdown
highlighting Hubei, which has proven
to be a key reference curve.

China has been a model citizen by comparison to
our own governments and media.



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WHO Data Available 3rd March (Last Datapoint 2nd Mar)
 4 Countries with cases > 1000: China, Korea, Italy, Iran
 China basically IS Hubei, a province of 59.17m people (WHO figure)
 Two EXPONENTIAL lines are included (dashed) for contrast
 The offset kink China/Hubei is inclusion of clinically diagnosed cases
 It was NEVER exponential
 The crisis was over even before Johnson's 3rd March briefing
 The contagion would continue but the MAGNITUDE and SEVERITY
 of the issue was entirely clear, as here defined by China/Hubei

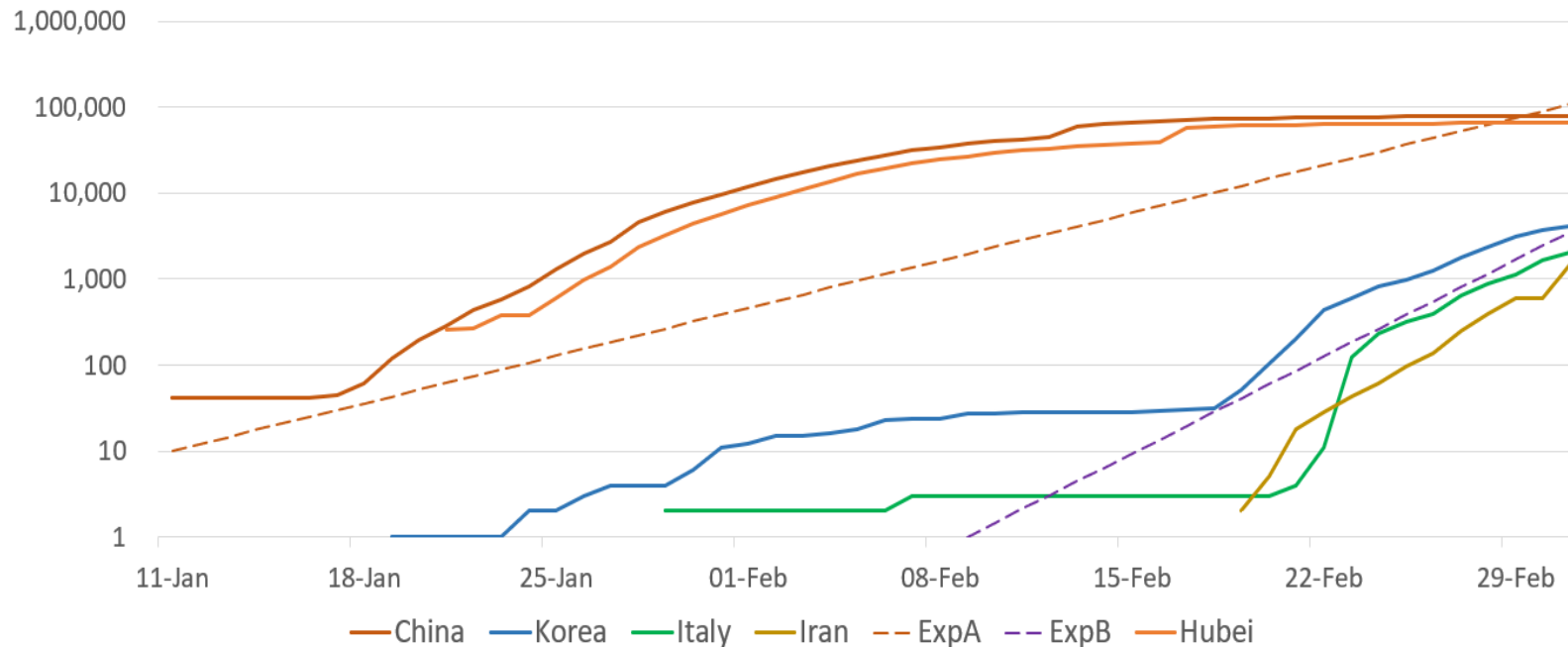


But hey, you don't want
 to trust China?
 Here's the OTHER
 nations available to
 Ferguson and Johnson
 PRIOR to the first
 "530,000 deaths"
 estimate



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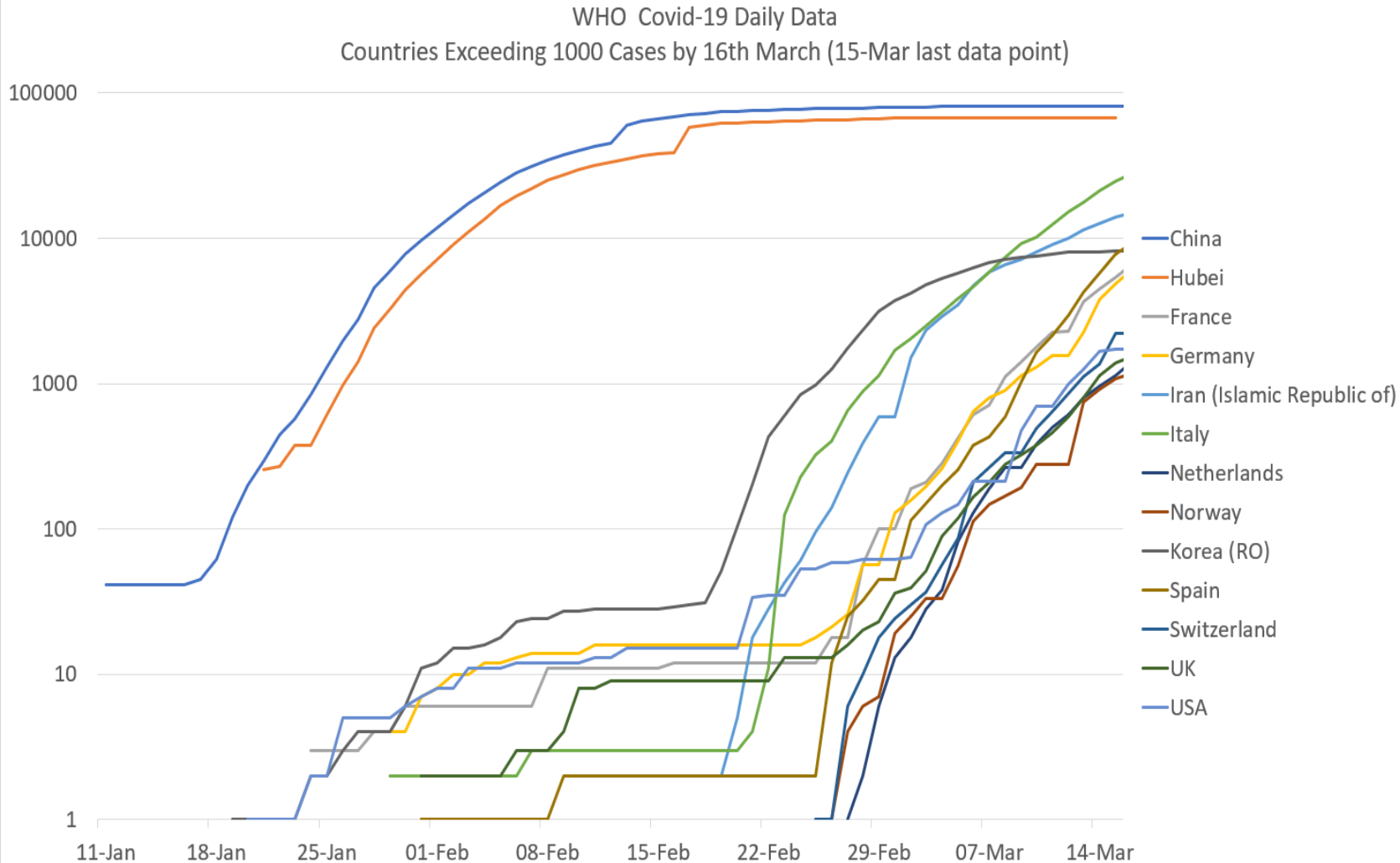
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I've included two exponential 'curves' (the straight lines) for comparison. Korea, curling over twice. Italy up and then over. Iran still straightish. Hubei OVER, DONE and FLAT



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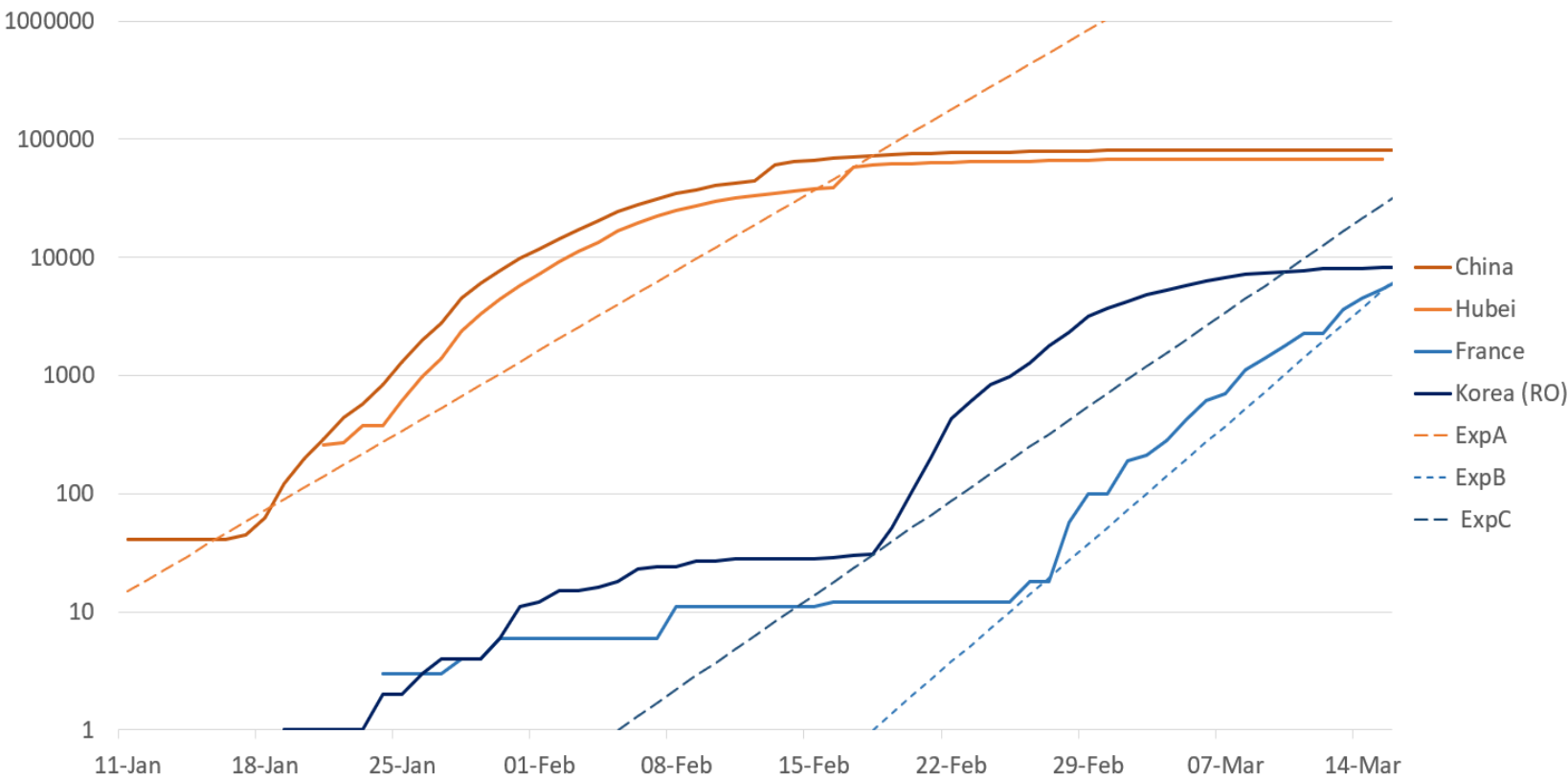


By Mar 16th, the day the Imperial College report was quoted with 510,000 UK deaths, 81% infected to scare you, there was a whole gaggle of countries to choose from 11 non-China countries



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 Countries Exceeding 1000 Cases by 16th March (15-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain



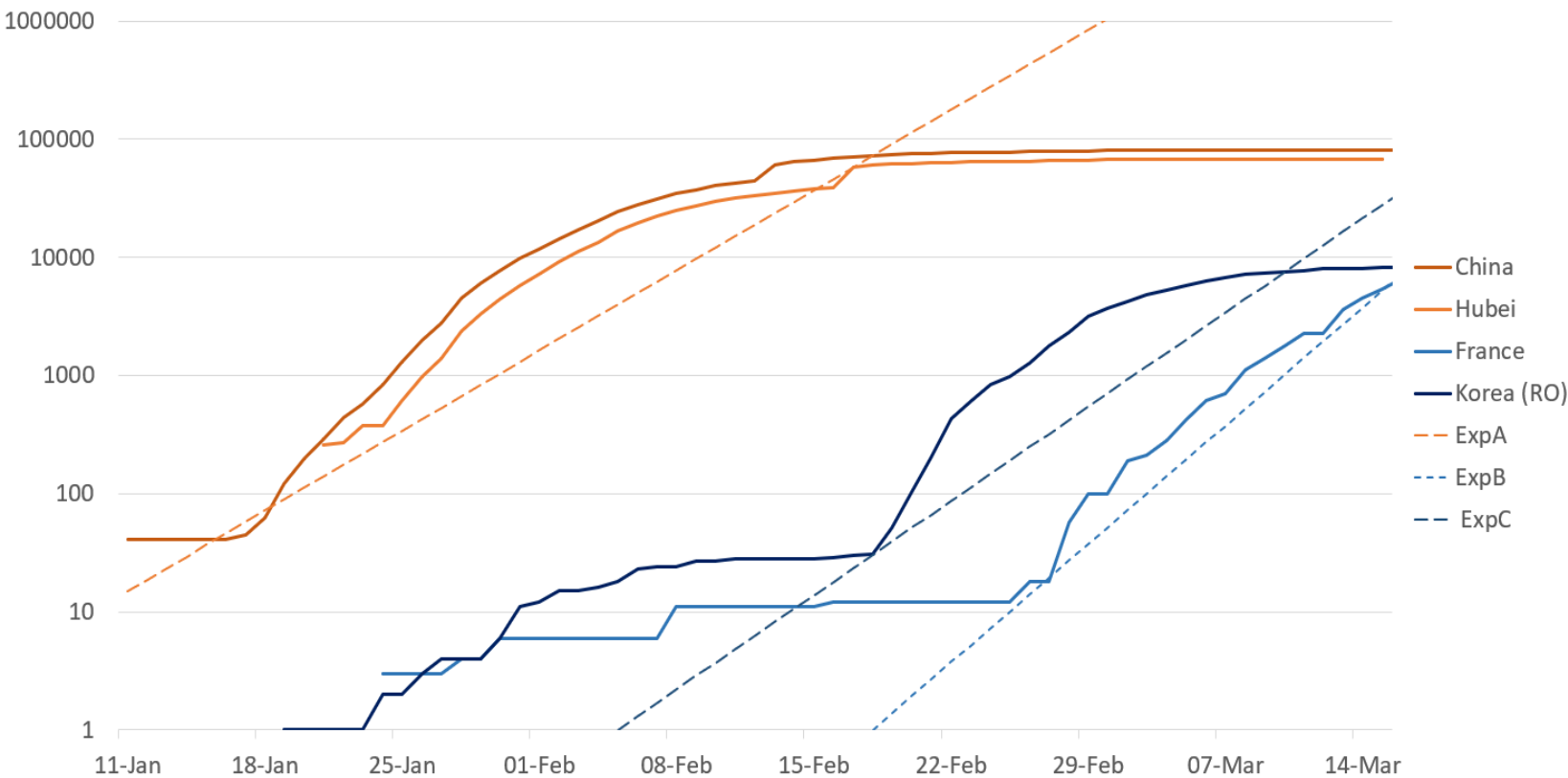
Korea and France
 Notice the 'bow'
 compared to the straight
 (exponential) line...

Korea (RO) is ALREADY
 OVER... curled over and
 flat.



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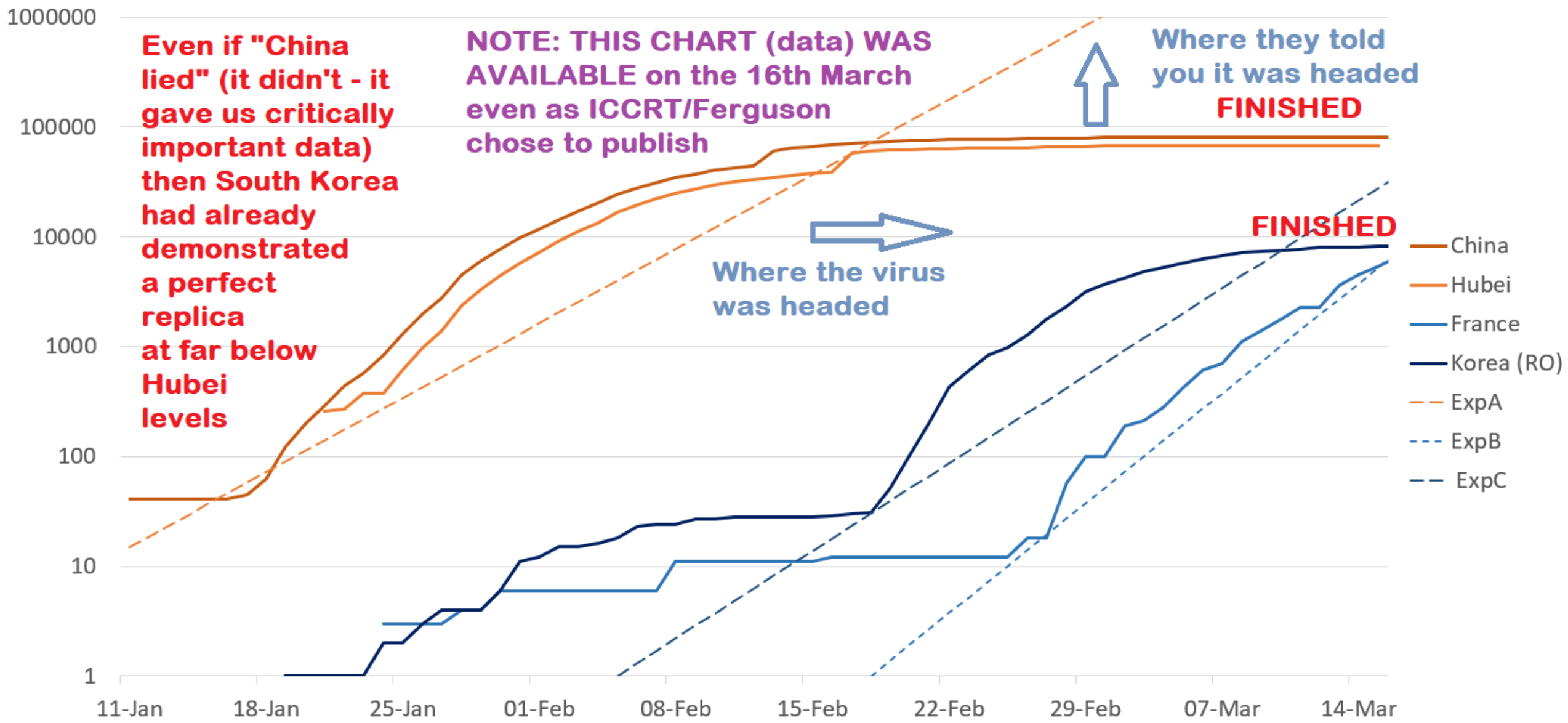
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Korea and France
 France is bowed
 (curling over)
 vs the exponential
 (straight line)



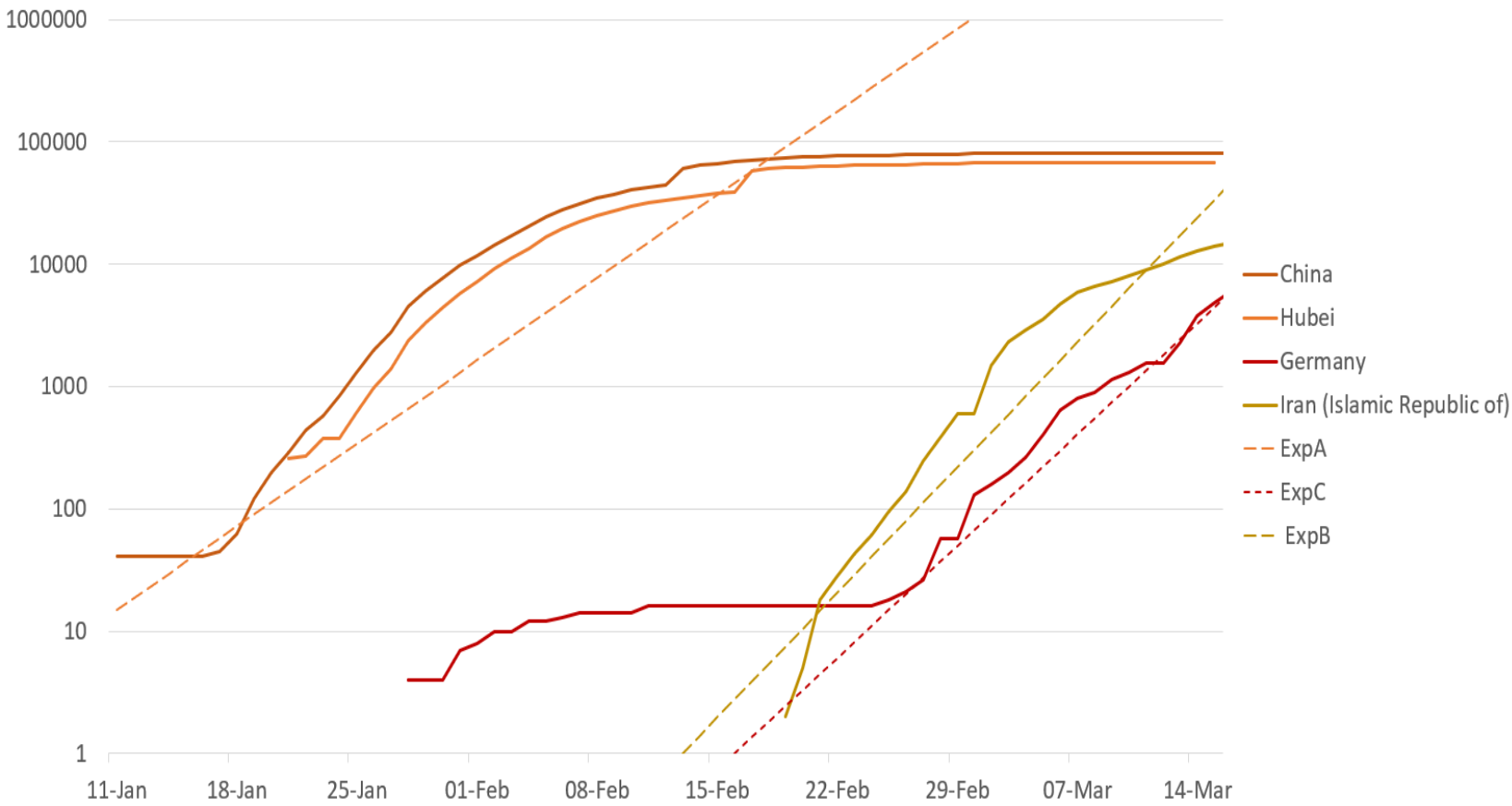
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Iran, Germany
 Iran bowed and
 flattening while the
 exponential just keeps
 climbing
 Germany bowed
 but going straight
 for a bit

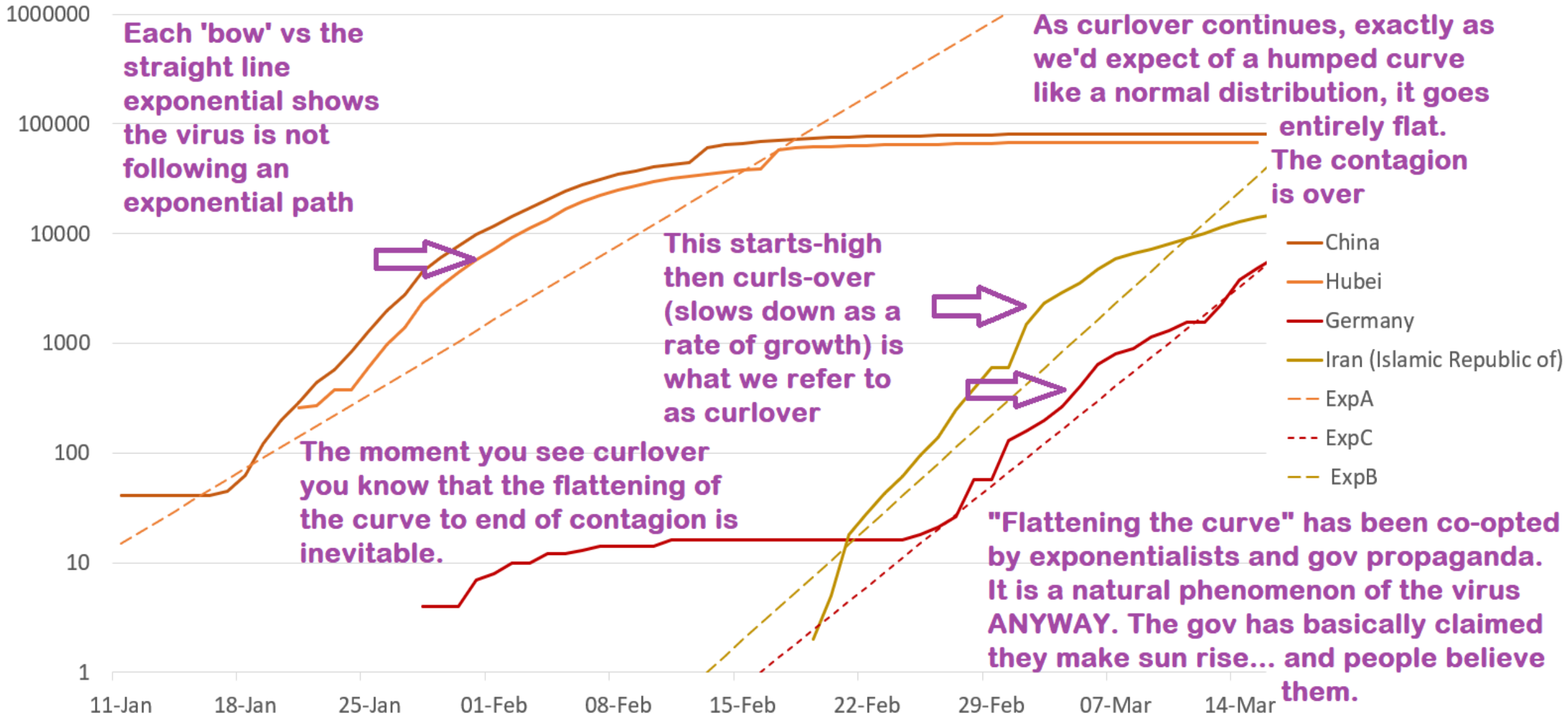


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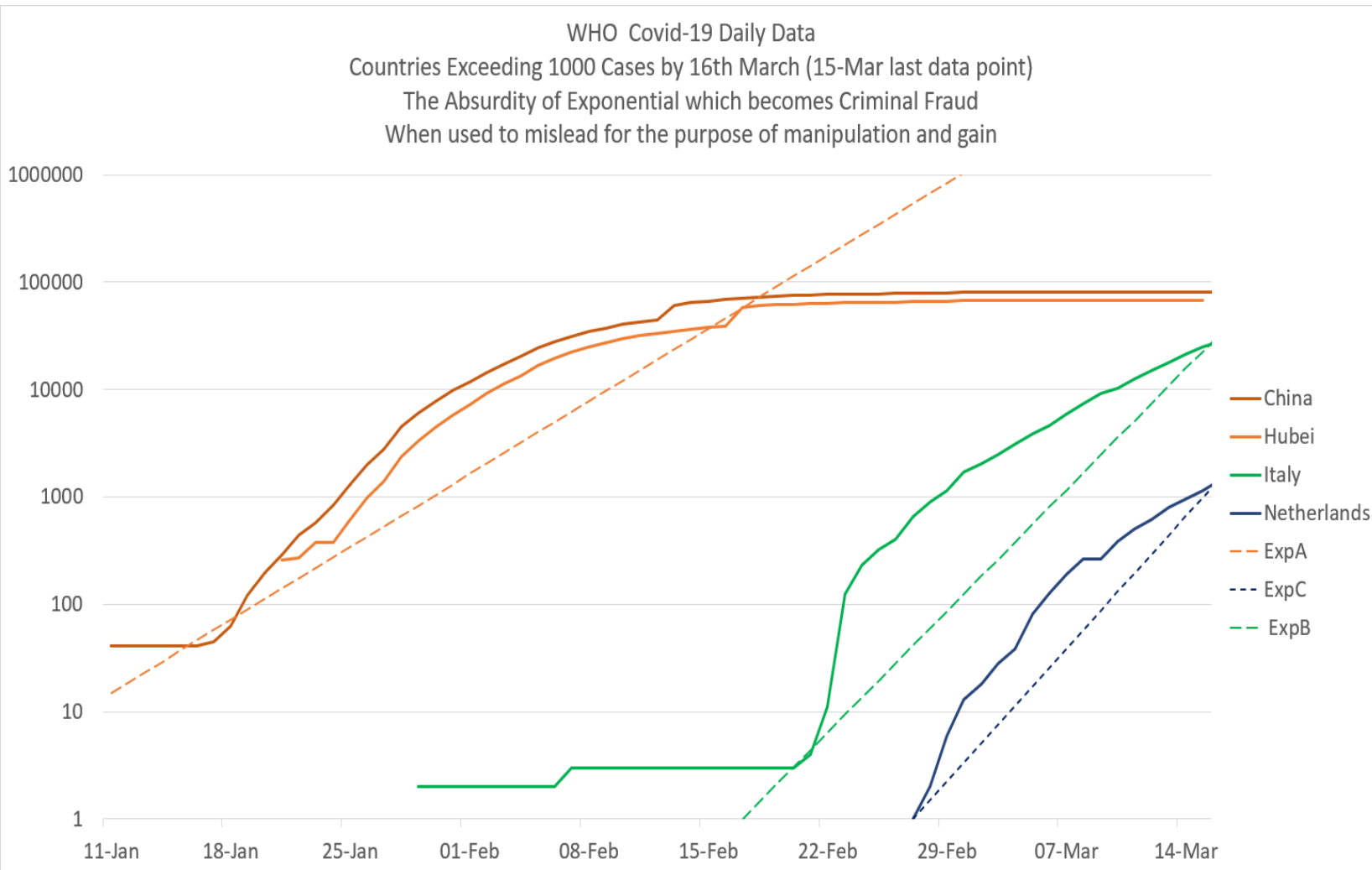
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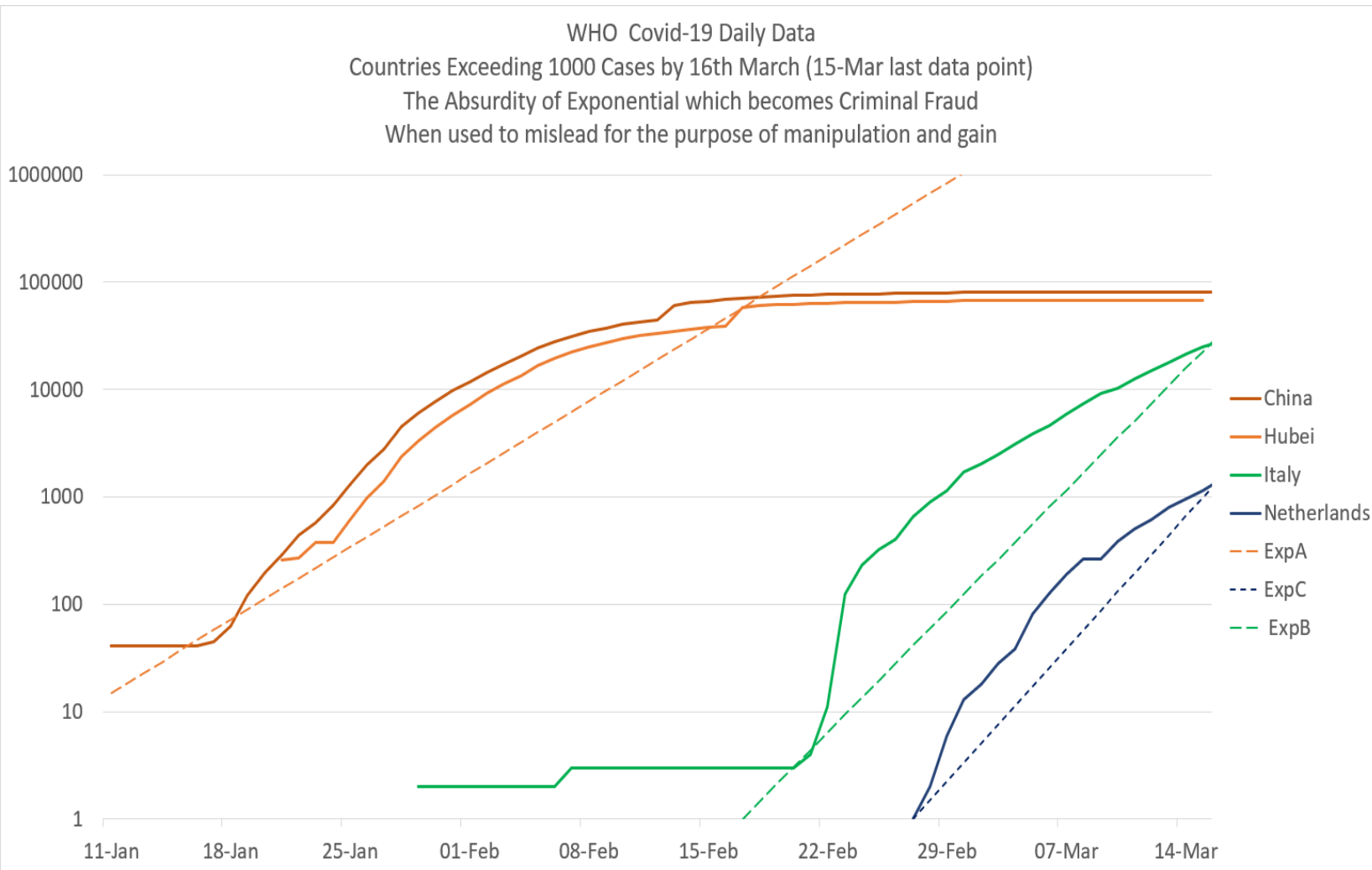
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Italy, Netherlands
 both bowed,
 curling over,
 just like the
 'lying' Chinese



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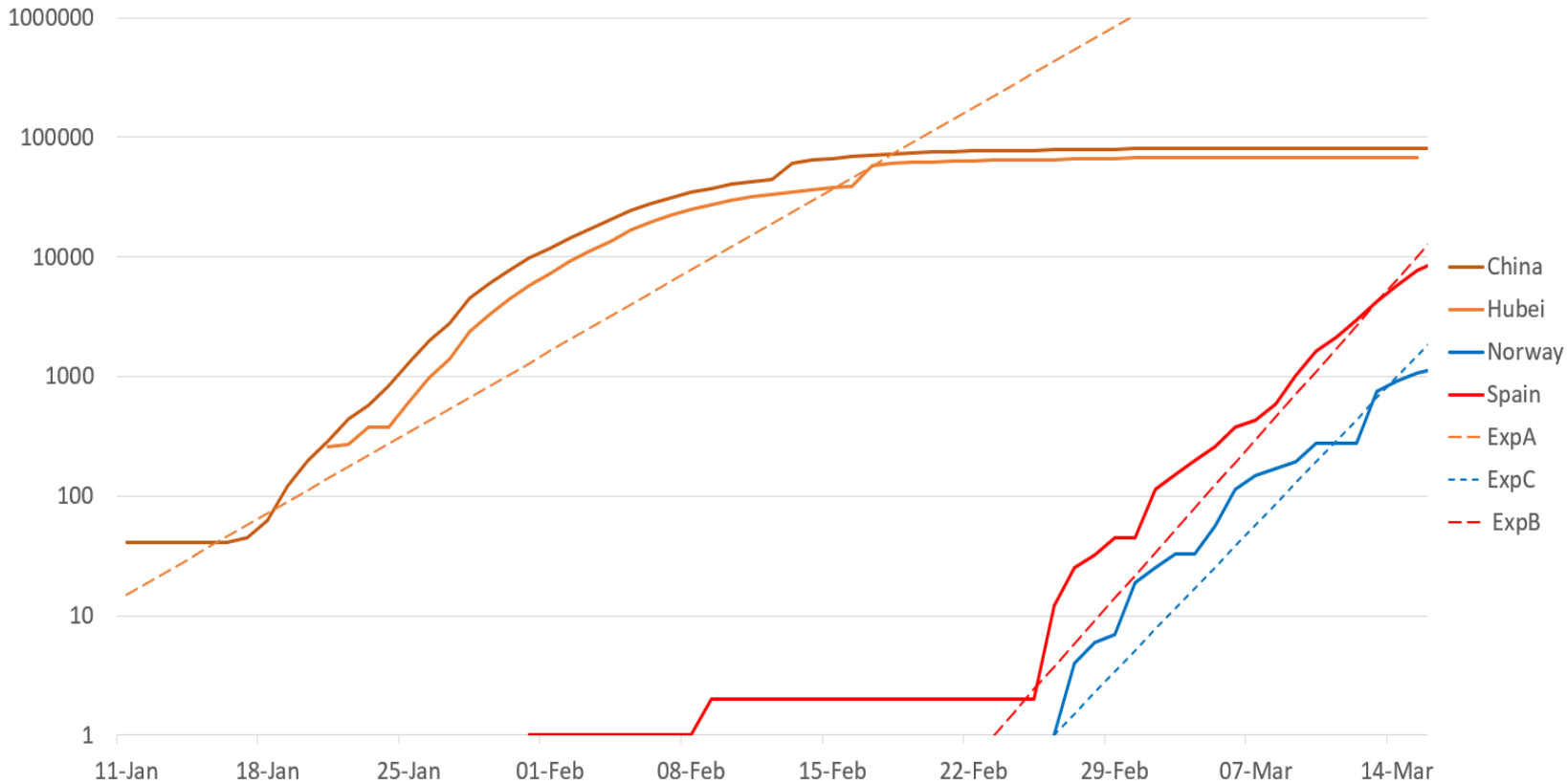


The LYING Chinese
 are the only people
 that haven't gone on
 national television or
 into your media to lie to
 your faces that we face
 an "exponential" growth
 in cases



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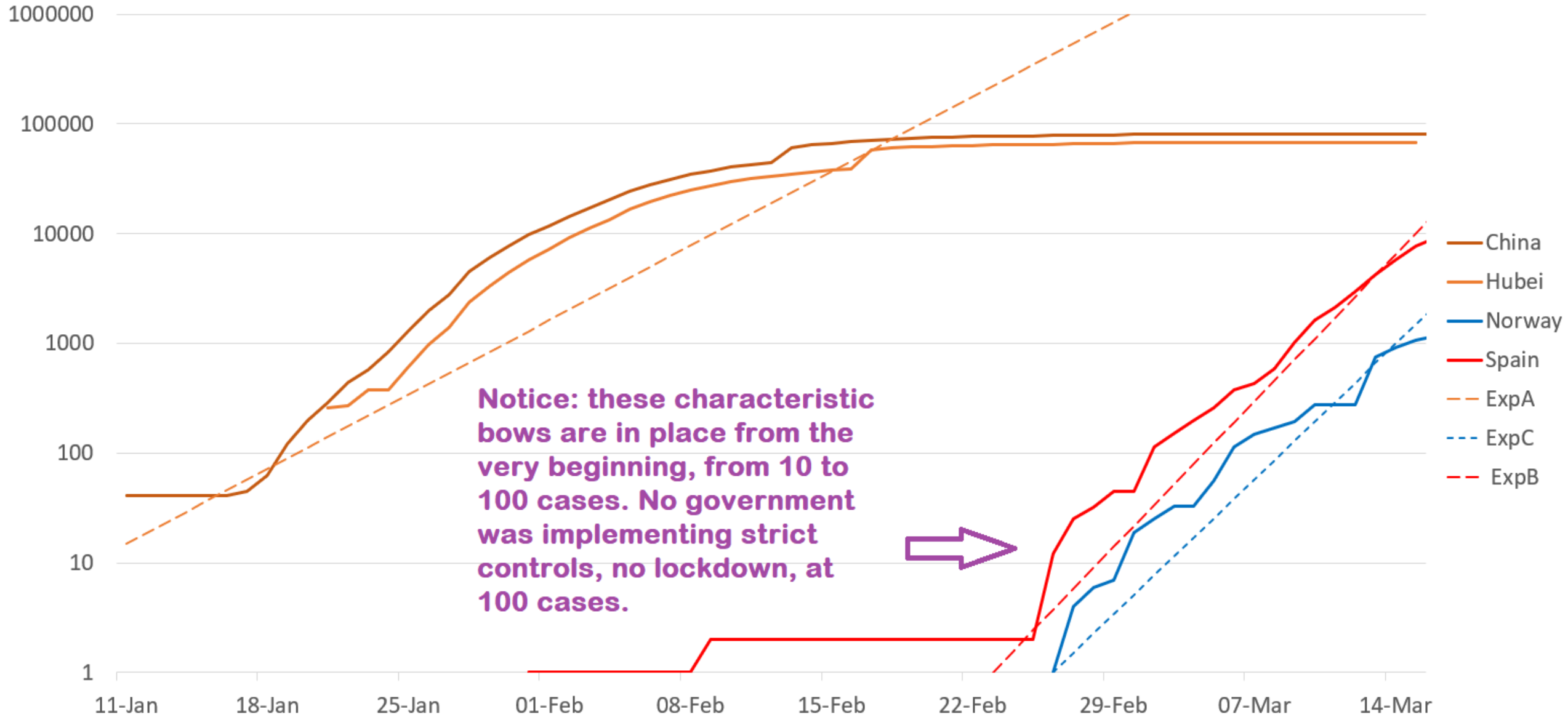
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Norway, Spain
 Both bowed, though
 Spain is straightening up
 a bit, but still crossing
 through exponential...
 ... and this is a WEEK
 before LOCKDOWN
 in the UK



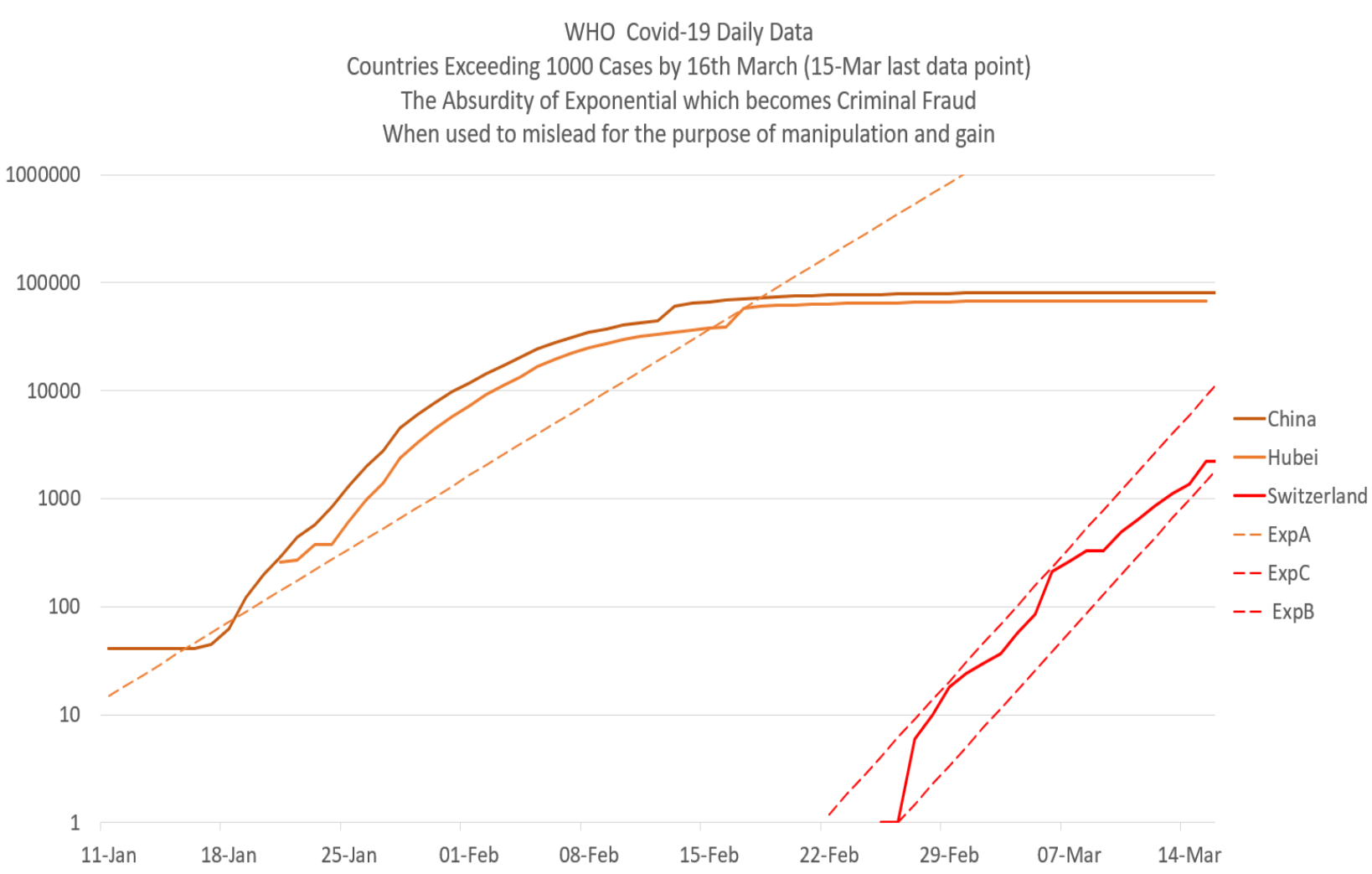
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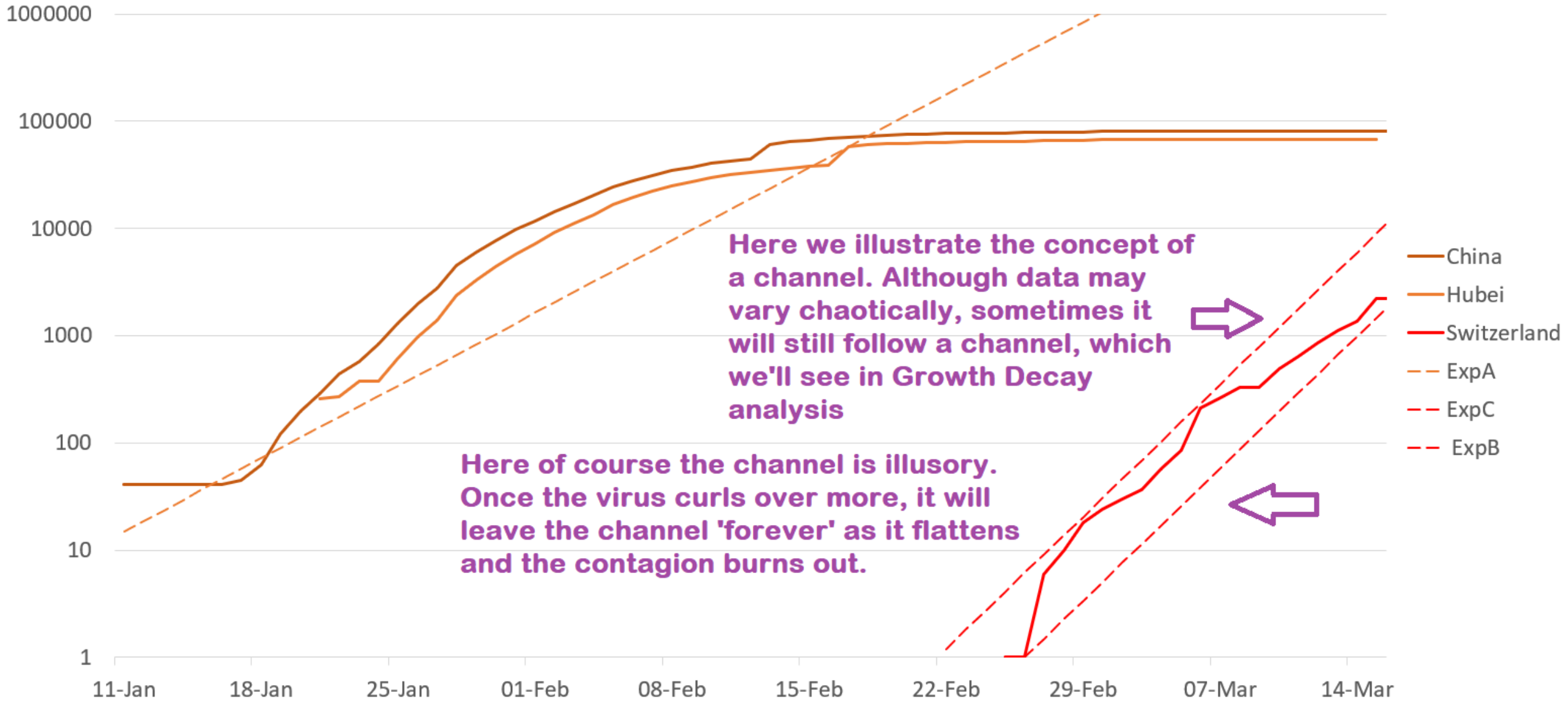
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Switzerland,
bowed



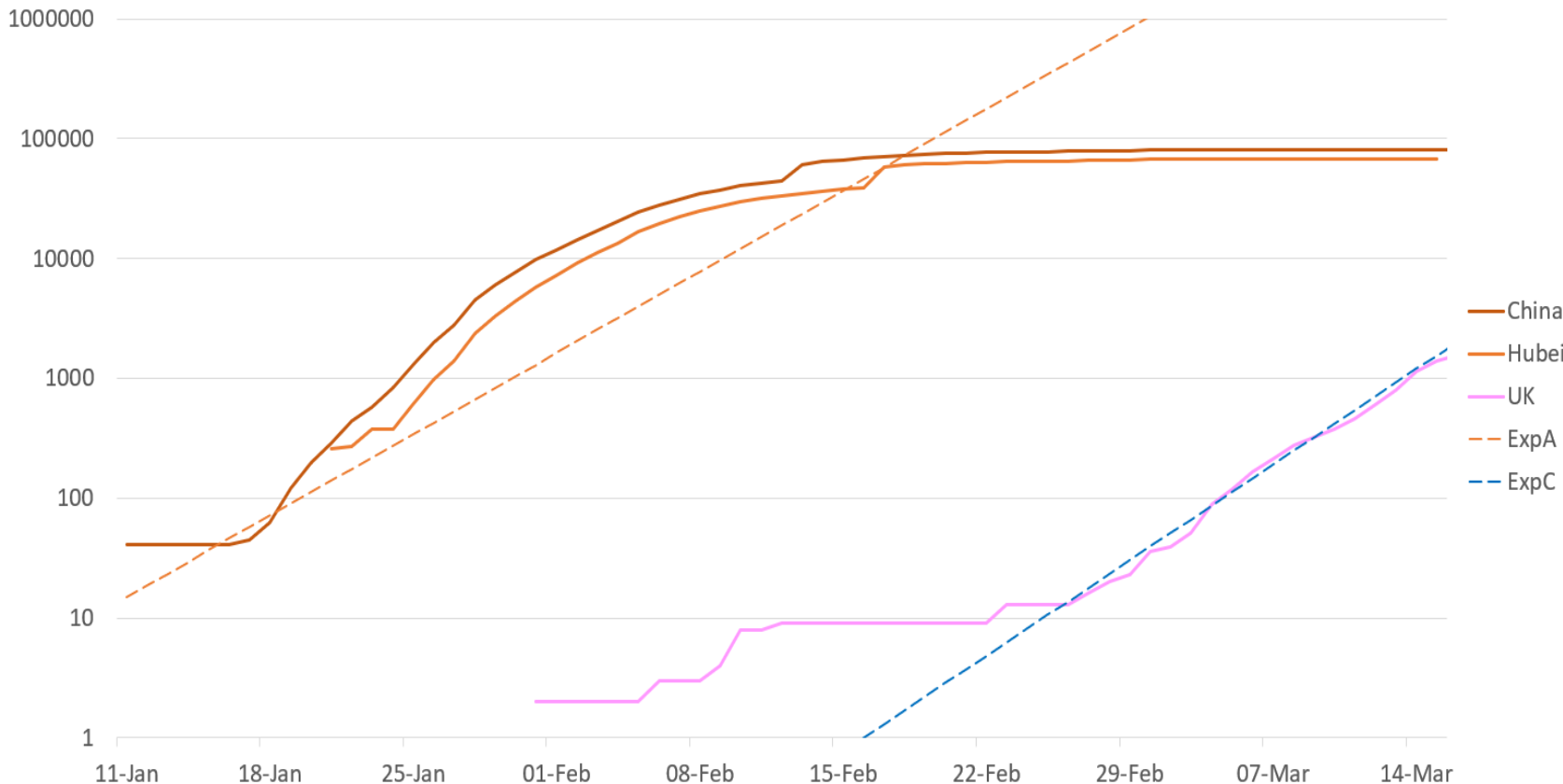
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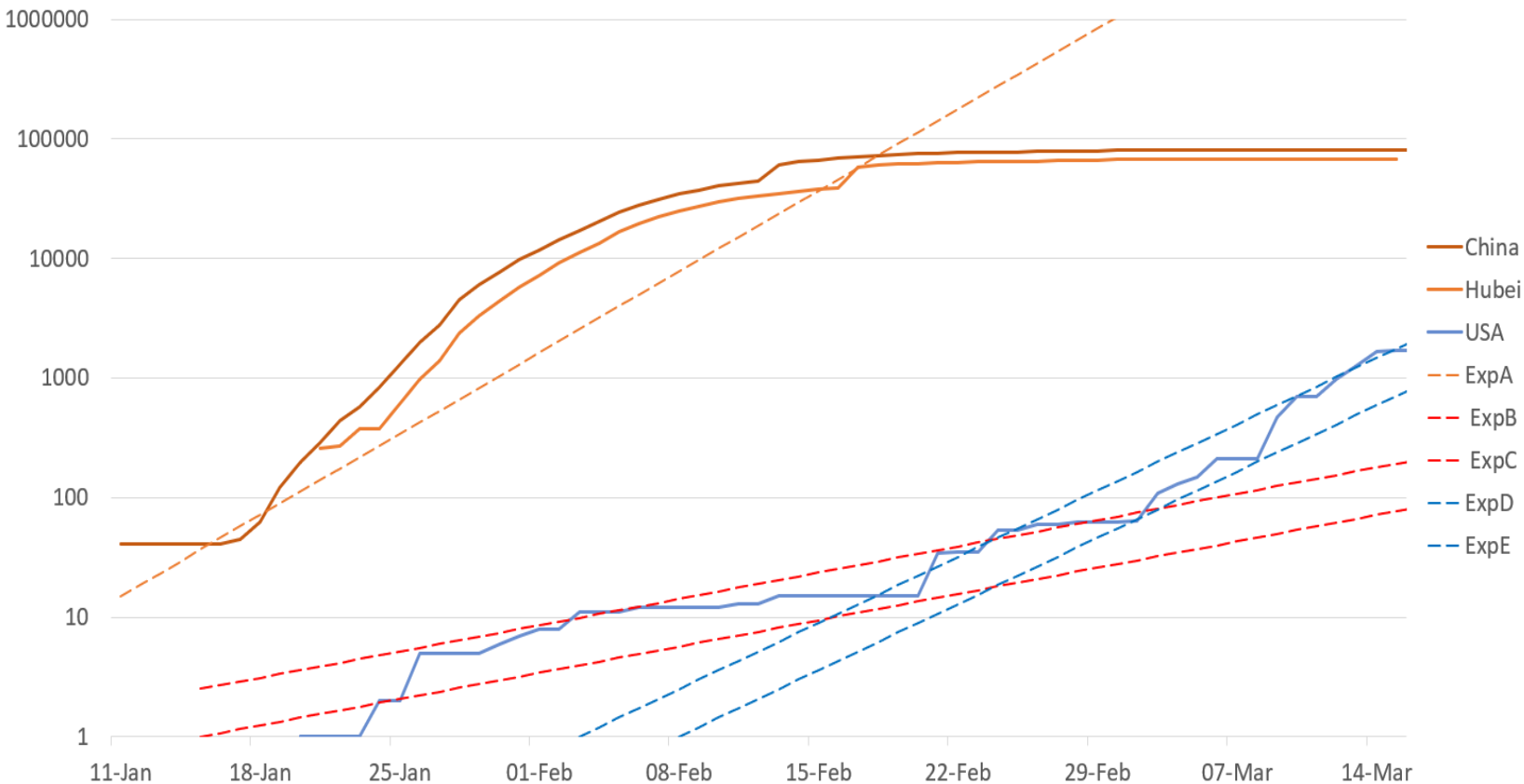
The UK
 home of dodgy data
 and it's the only country
 apparently exponential
 at this point

Fair enough.
 We'll wait...



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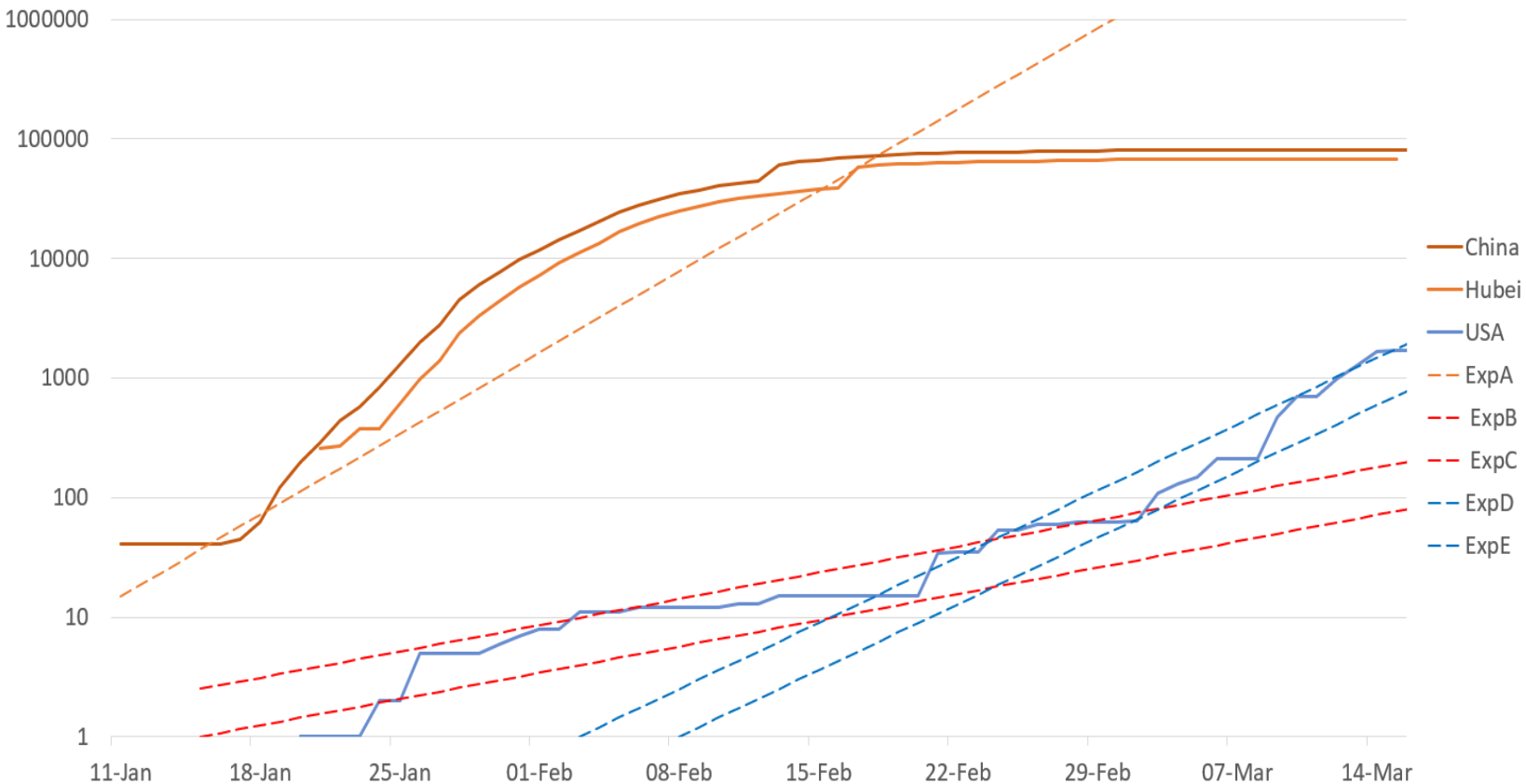


... except for the US
 of course, that other
 country whose
 financial capital
 has been hit 240x
 worse than the
 non-US/EU/UK
 world...



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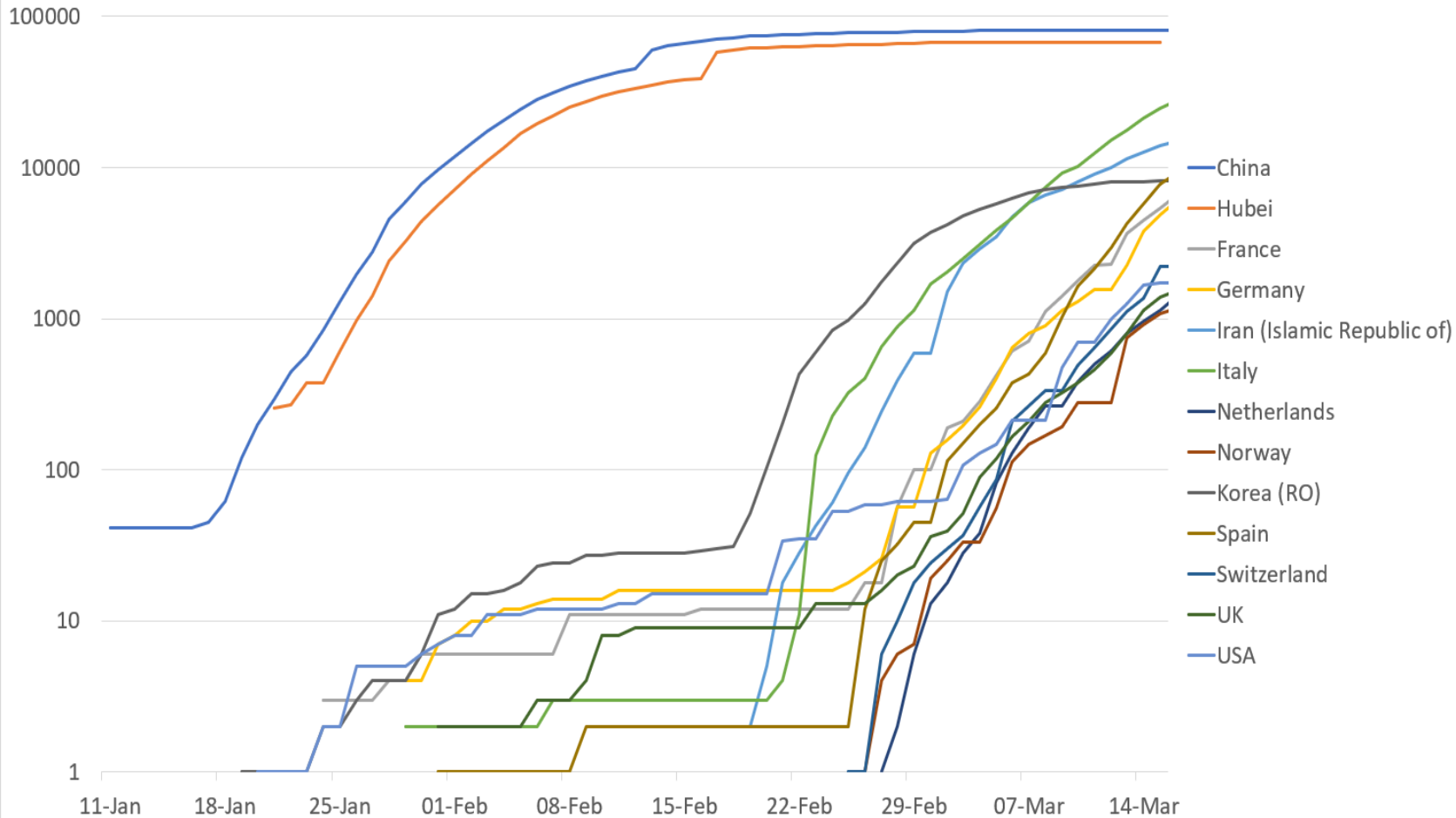


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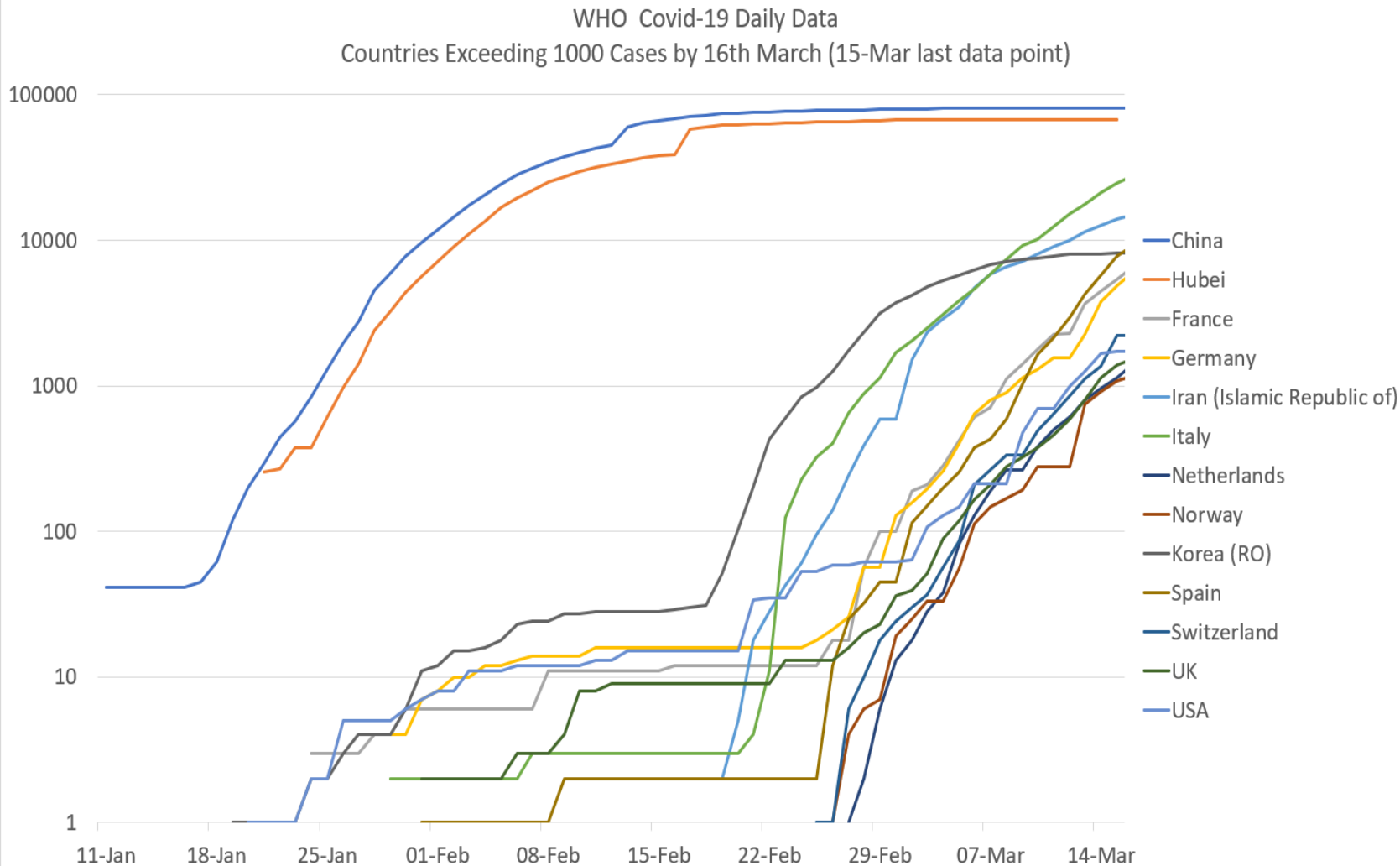
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That's by Mar 16th,
 still a week from
 lockdown, and every
 country except the UK
 and USA is showing
 the 'bowed' hallmark
 of a NON-exponential
 curve...



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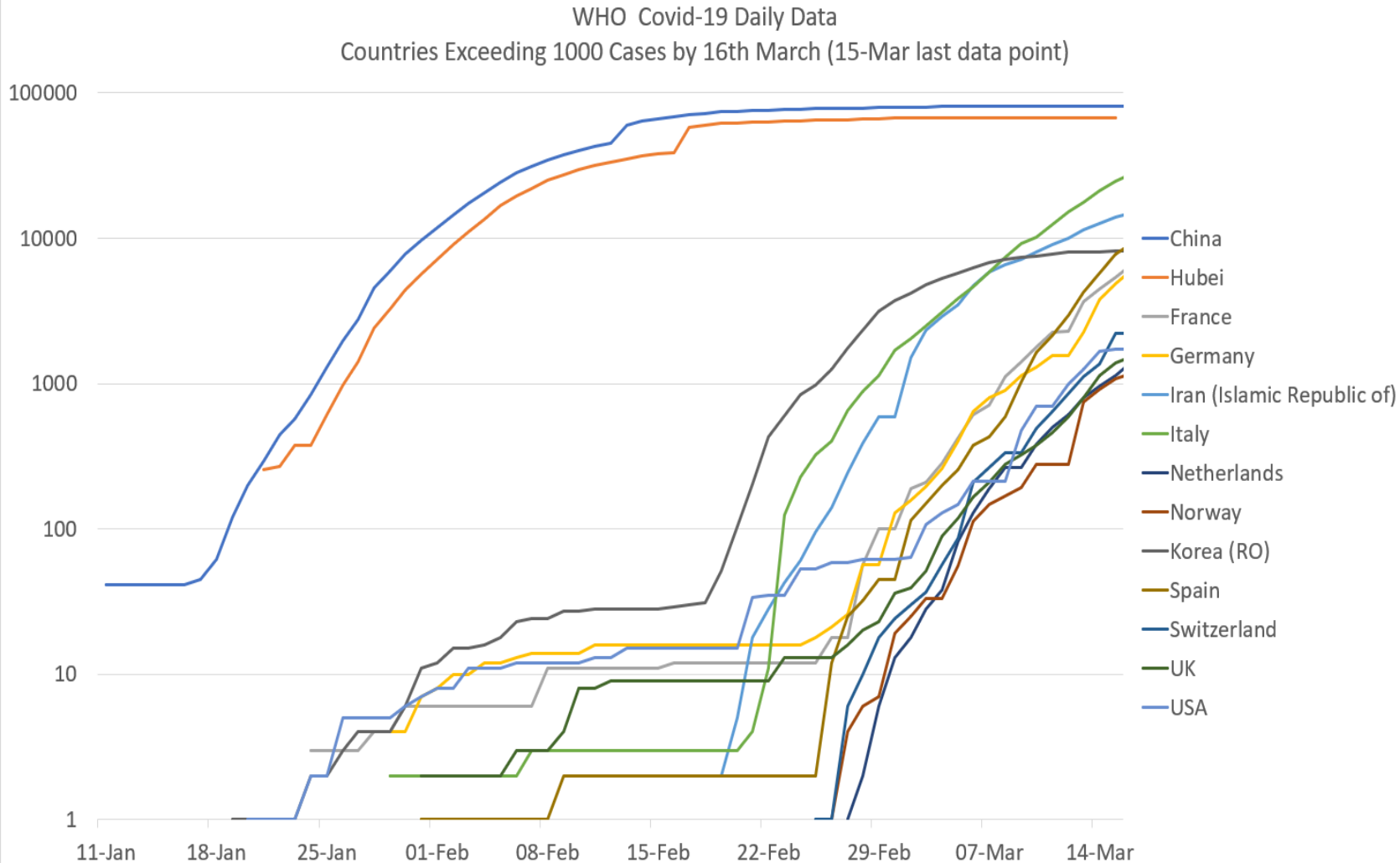


... and two countries,
 Hubei (China)
 and Korea (RO)
 are DONE, OVER...

... and they sure as hell
 weren't exponential



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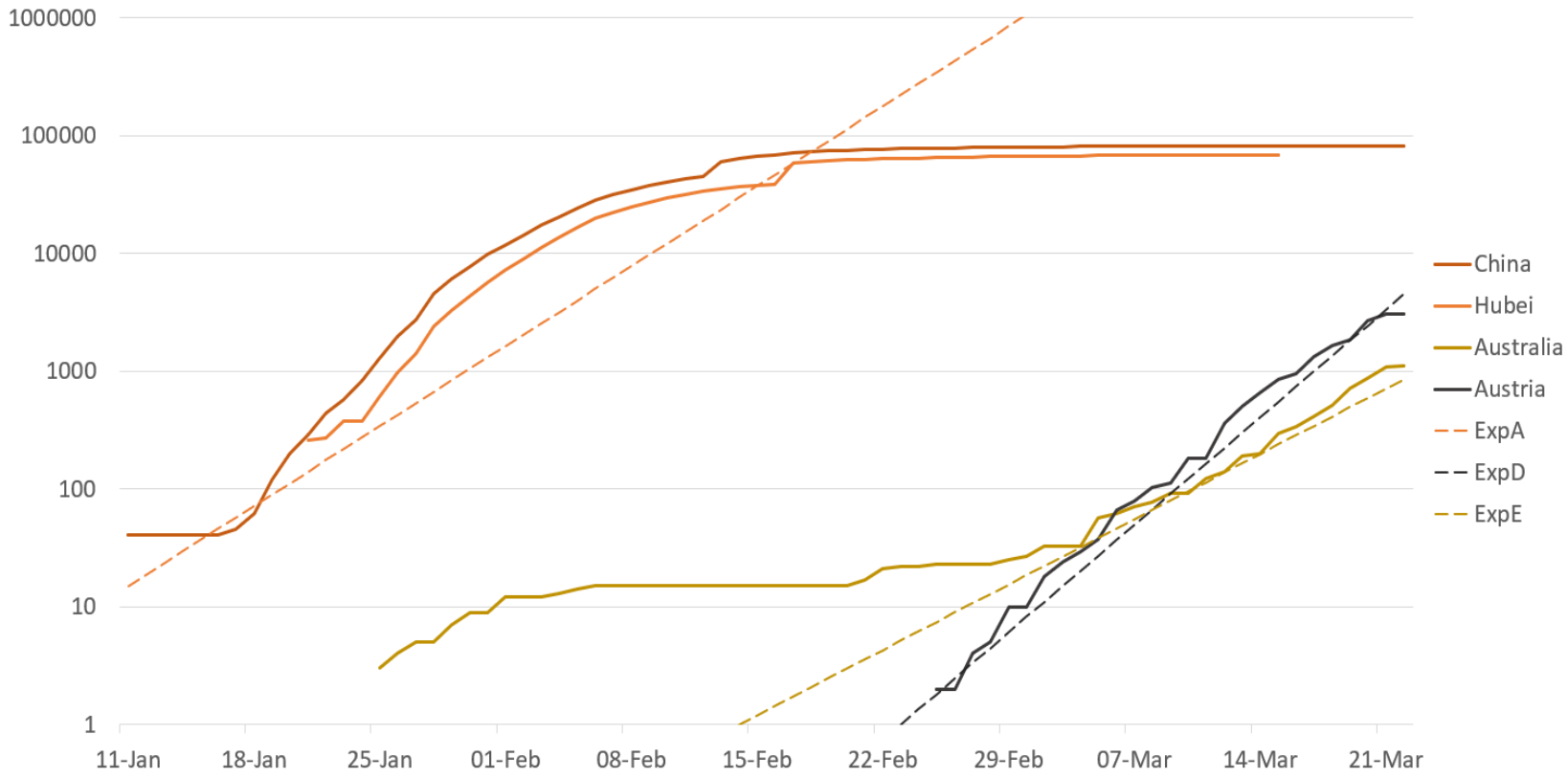


ANYONE publishing an
EXPONENTIAL meme
or article after March
16th was either
IGNORANT or
FRAUDULENT
Lawyers take note
You're welcome.



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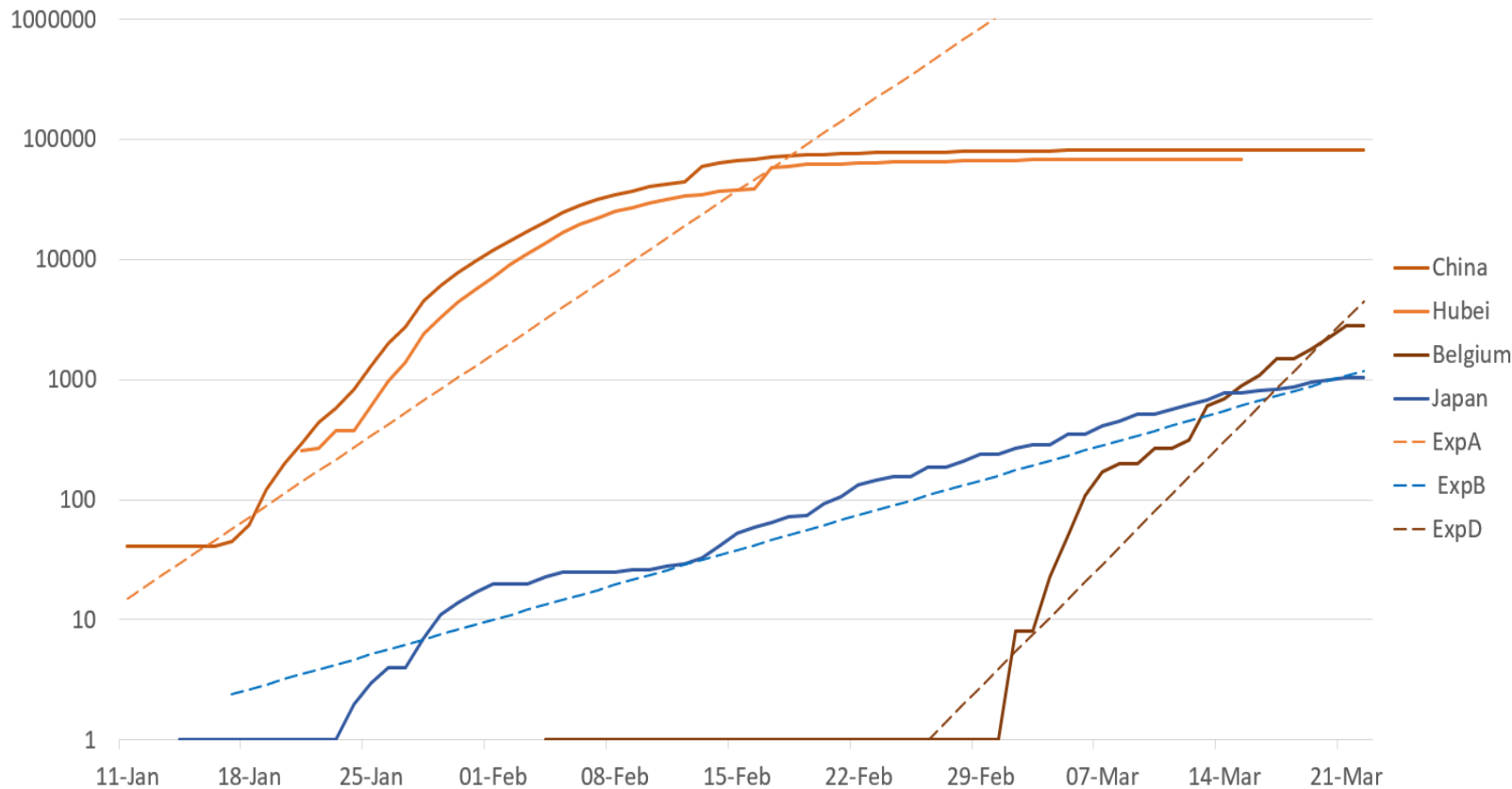
By March 23rd
 we had 20 players
 (from memory – count
 them in the charts)

Austria, bowed and
 crossing the exponential
 Australia bowing at the
 top



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Belgium, deeply bowed
 though it will manage to
 generate numbers
 second only to NY before
 it's done...

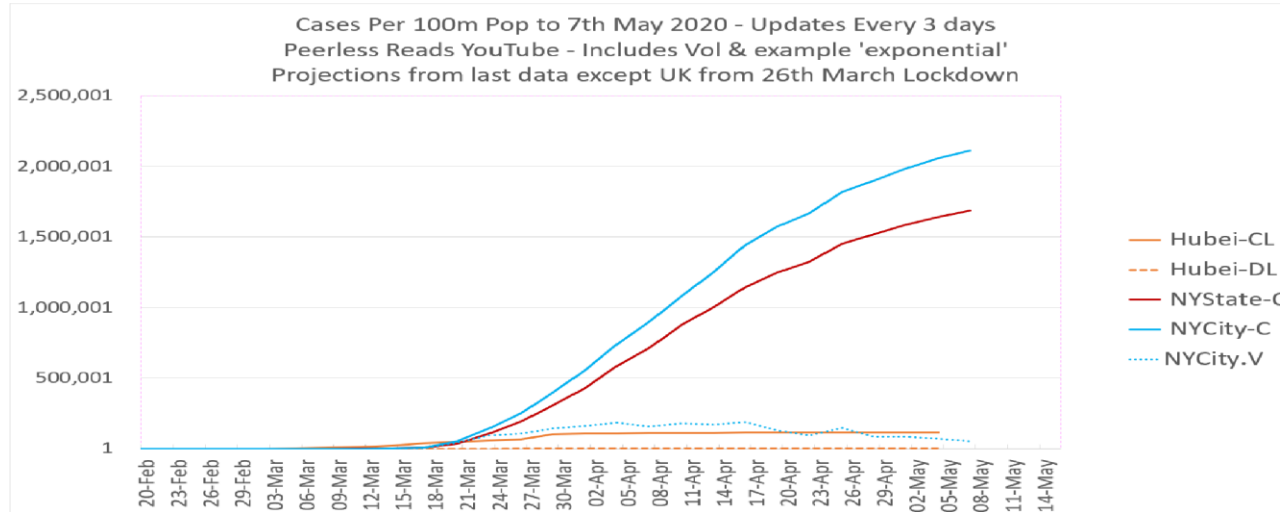
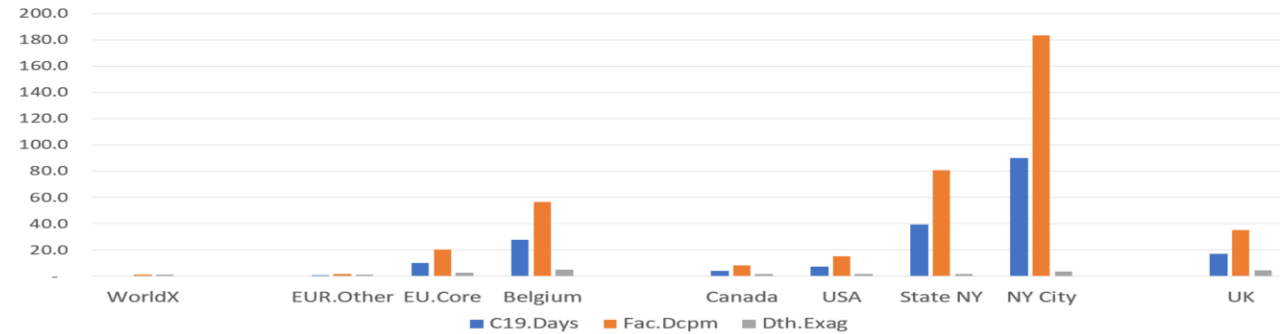
NY, London, EU...
 ... western power
 centres...



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Severity of the Virus Increases Dramatically
 as you approach a global power centre (US, EU, UK)
 That isn't a virus issue. It's just a virus. The virus doesn't report cases and deaths.
 The World outside 'our' world shrugged the virus off
 with a half-day's normal deaths
 We get to submit to our overlords whims for maximum punishment
 to ensure we're ready for whatever is next... vaccines at the very least
 And yes... it's just the numbers they publish every day. Do the math. And wake up.

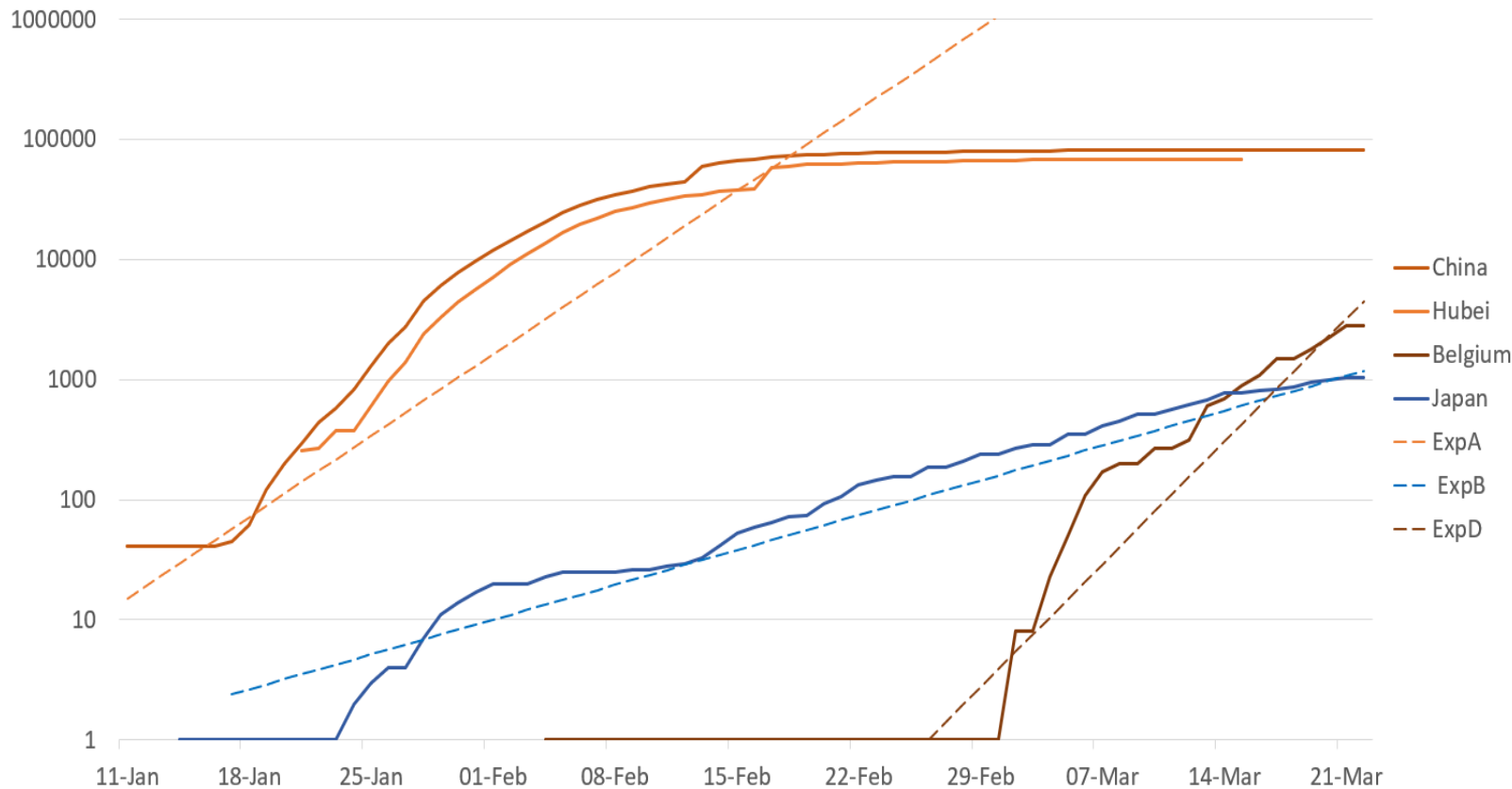


And look how they've done... the only political virus in the world, attacking western power centres hundreds of times more than the rest of the world...



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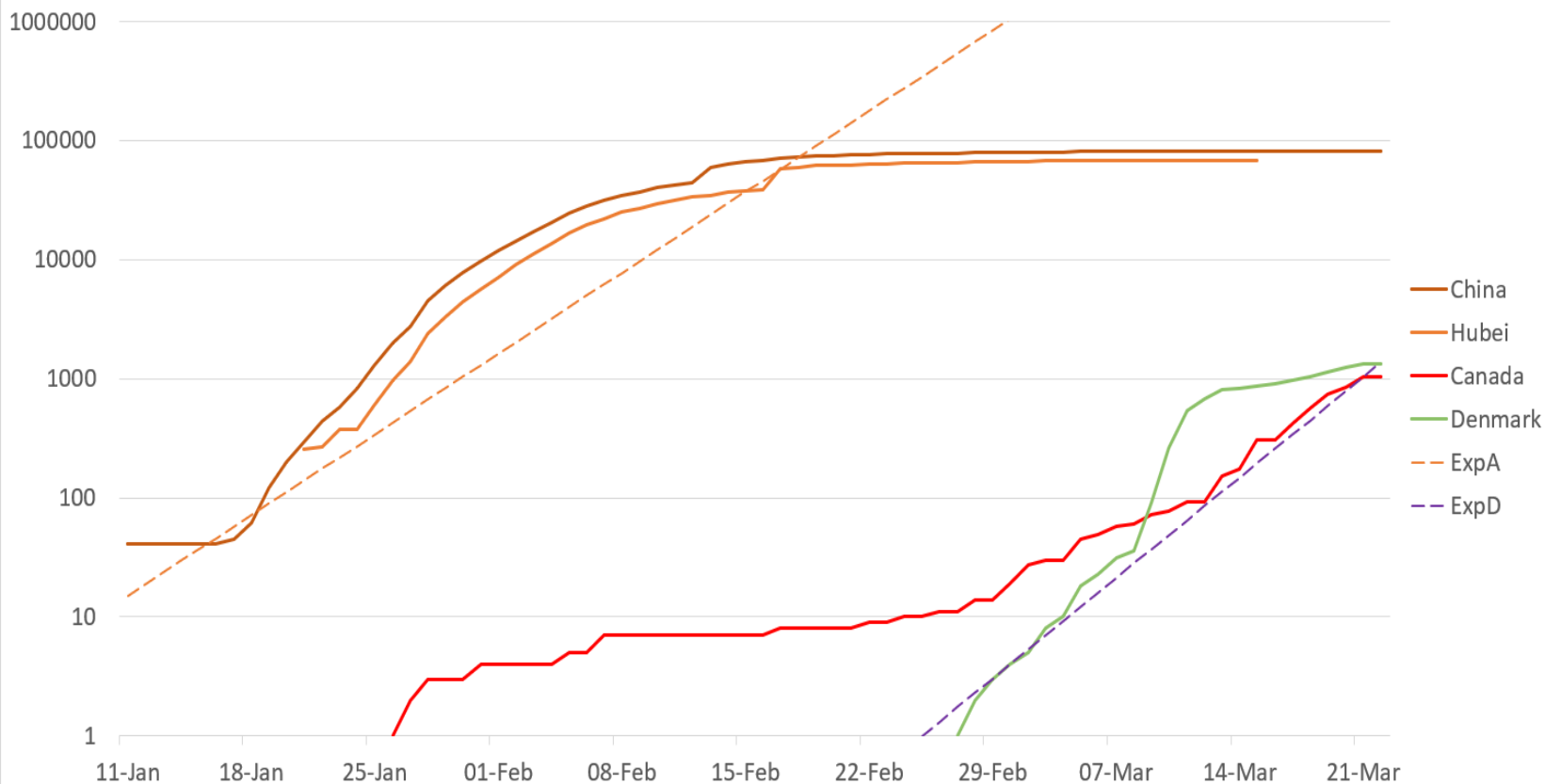


Japan, a very low rate
 of growth
 and bowed nevertheless



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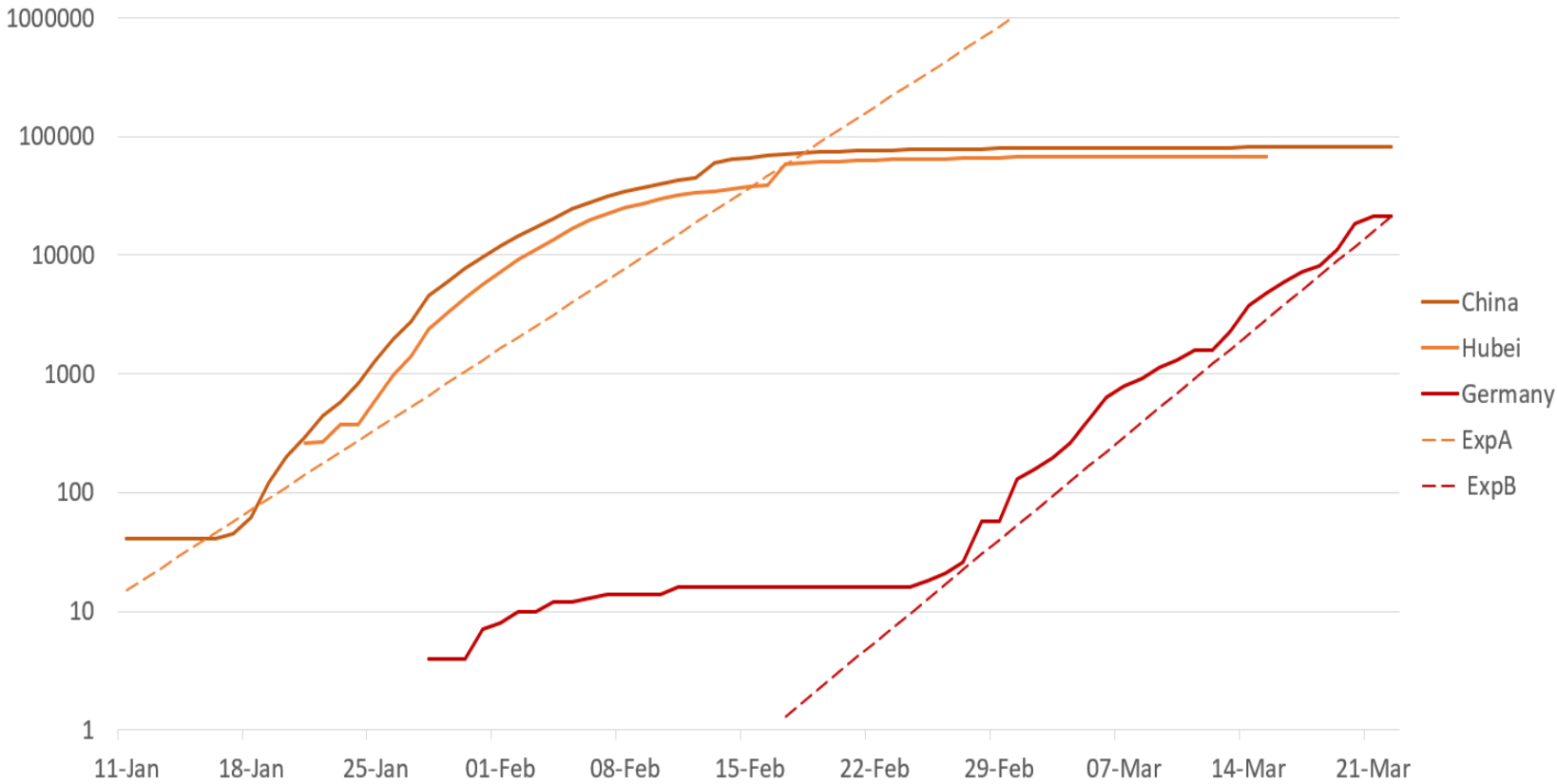
Canada reluctantly
 joining the US, UK
 party, but then curling
 over at the top...

Denmark radically
 bowed



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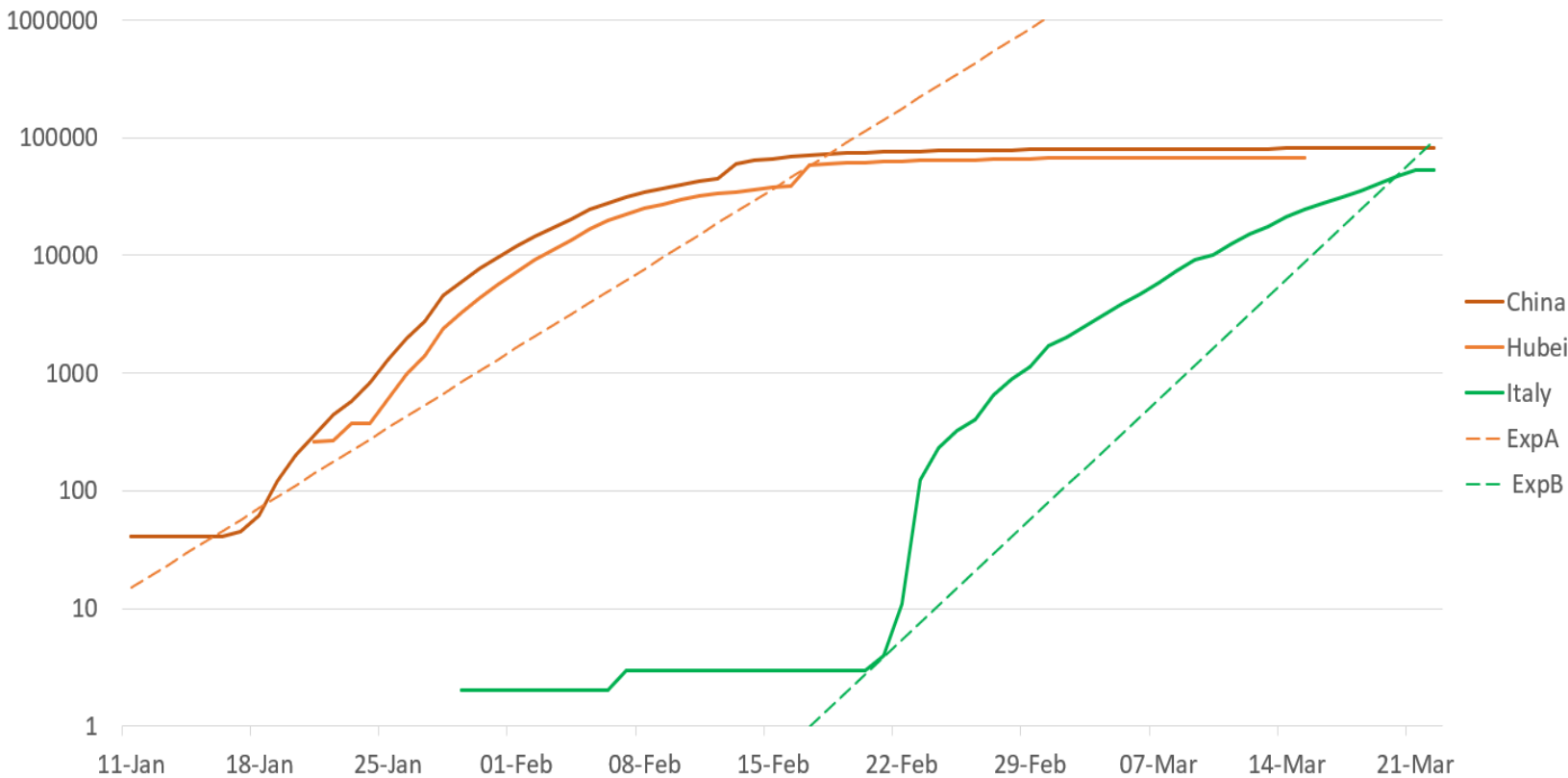


Germany
 still flirting with
 “exponential”
 but showing a whole
 series of bows



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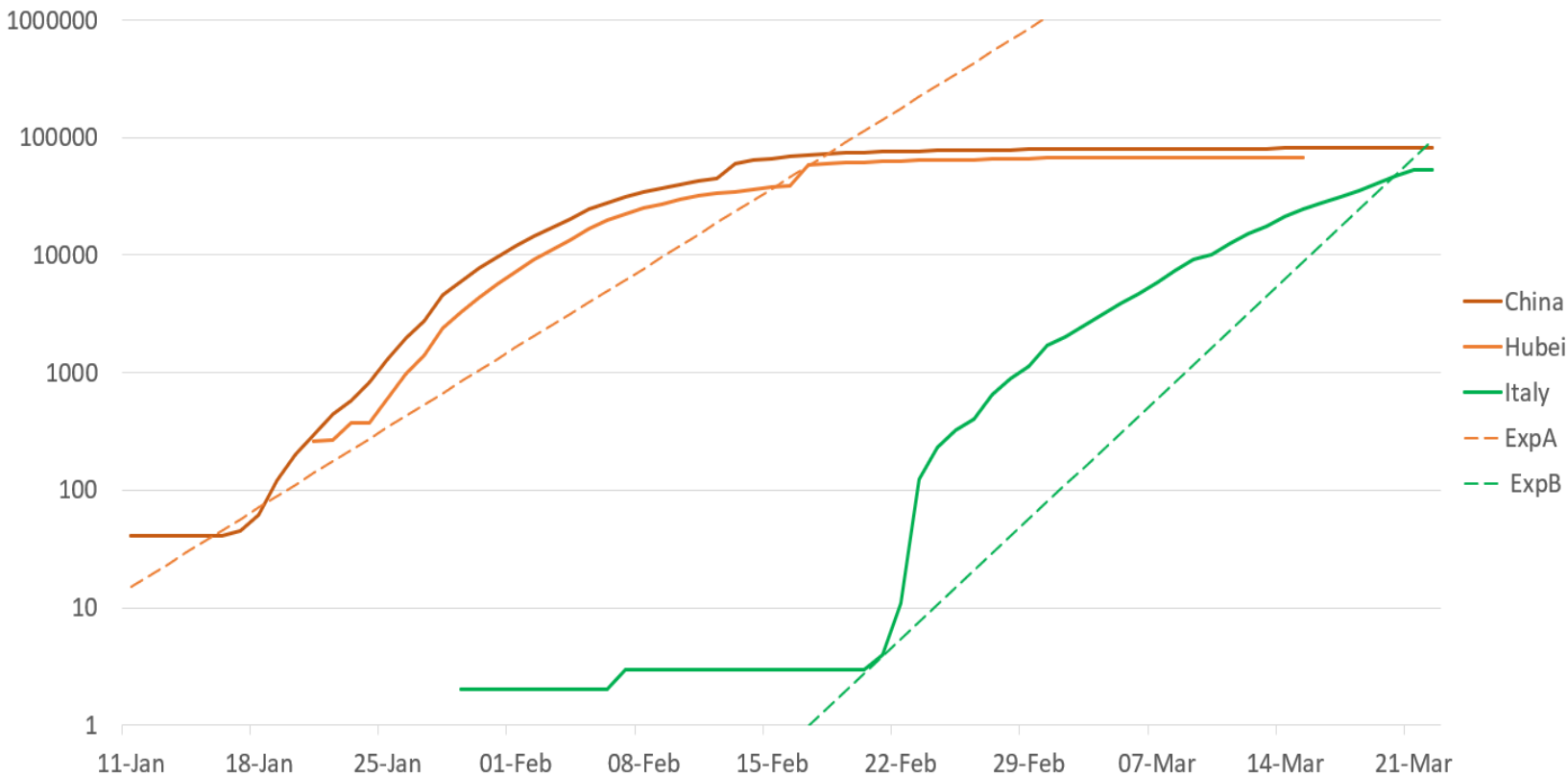


Italy massively bowed
 and curling over,
 heading towards
 completion though it will
 rise above Hubei before
 it's flat



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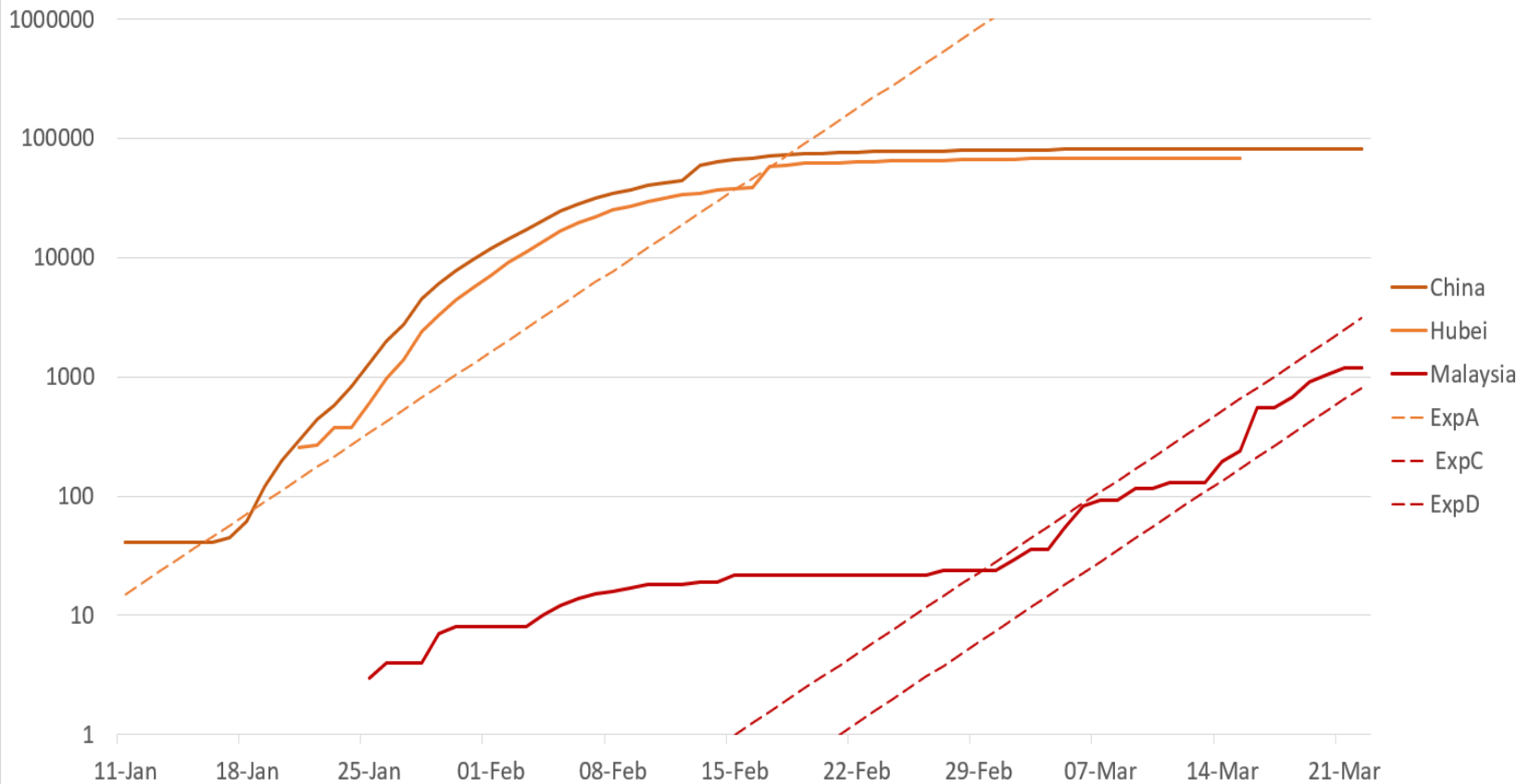


Remember: this is what
 the government
 KNEW to be true,
 March 23rd, even as they
 sent you into lockdown:
 it was NEVER
 exponential
 It was NEVER
 530,000 deaths



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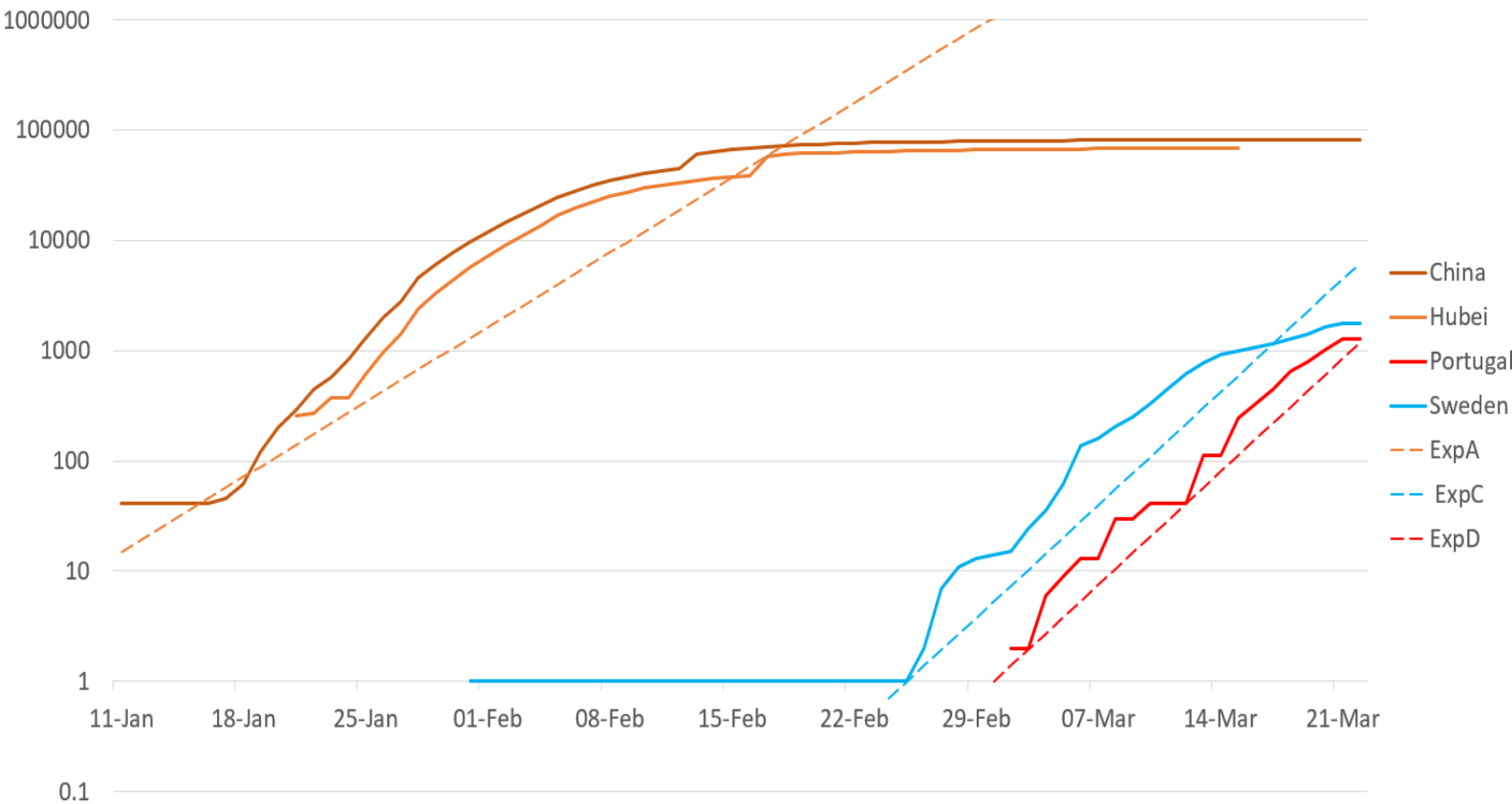


China lied?
 Malaysia isn't going to go
 anywhere NEAR
 Hubei in cases
 or deaths, and it's
 showing that right here,
 two clear bows: this
 virus does NOT do
 exponential



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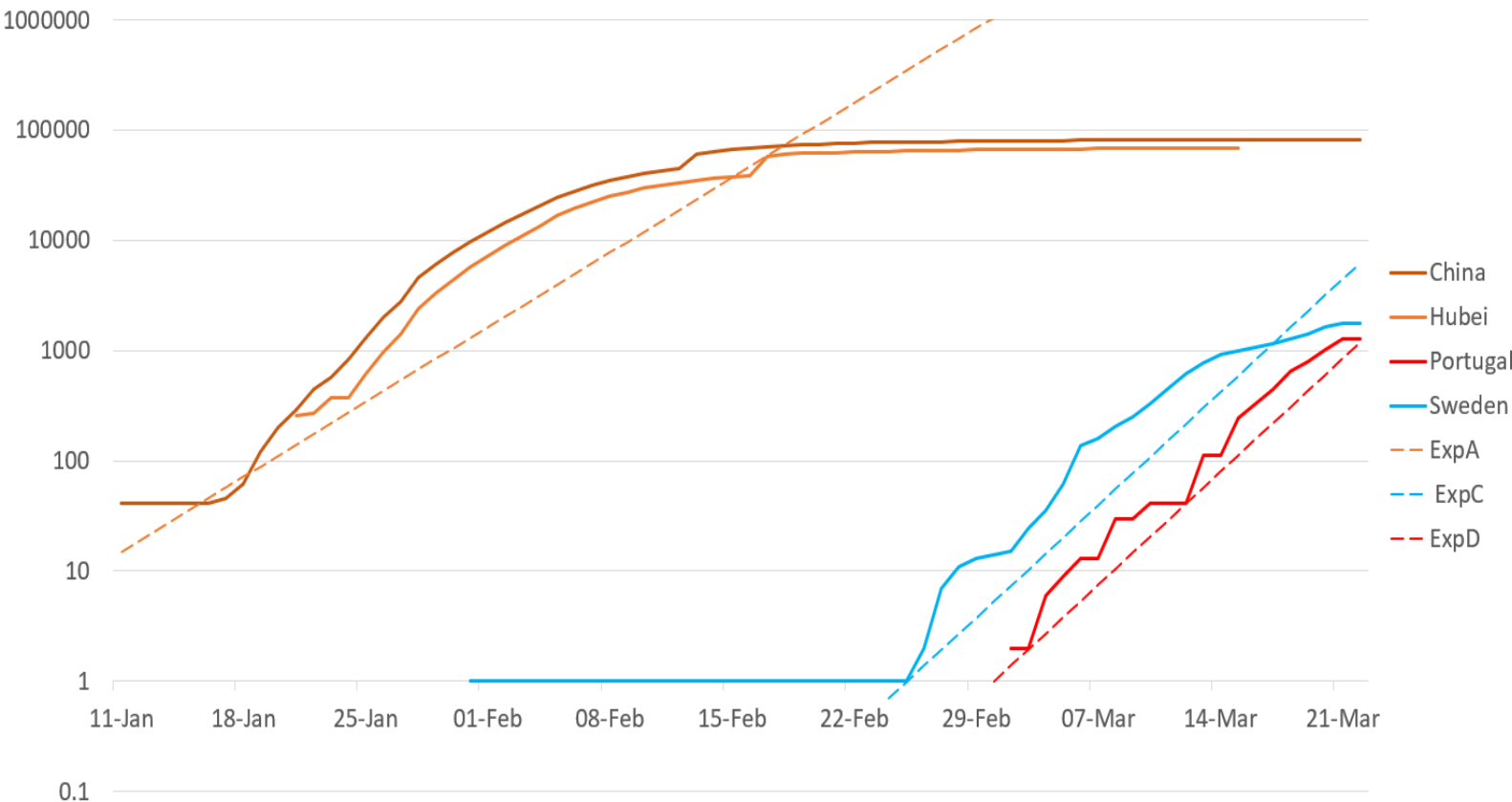


Sweden, massively
 curled over
 Portugal, showing again
 two distinct bows
 The straight line is where
 the media says they're
 going...



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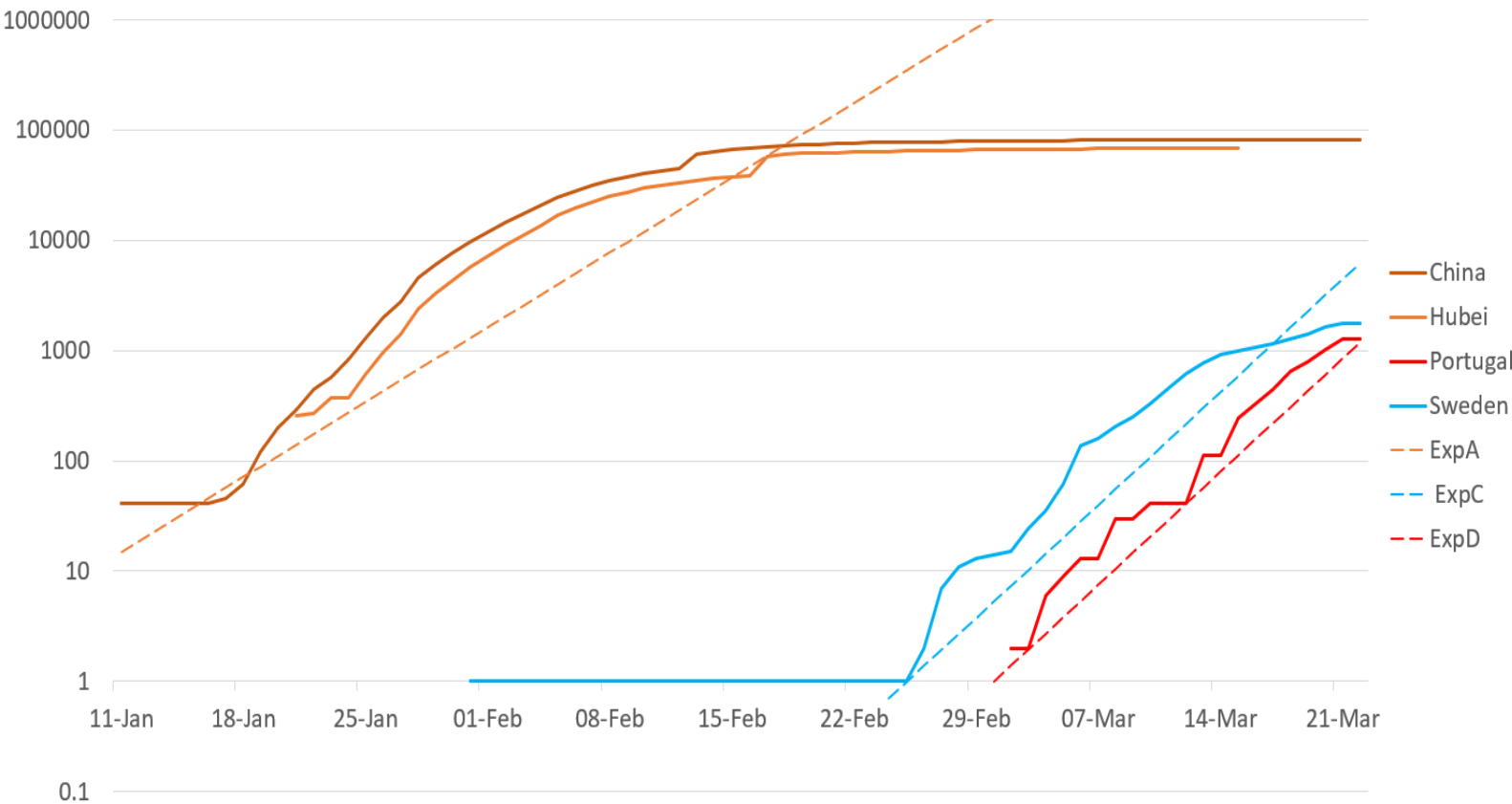


... but while the straight line will take you straight to 53 million infected 530,000 deaths, the REAL world that is **ALREADY APPARENT** ain't going anywhere close... and **THEY HAD THIS DATA**



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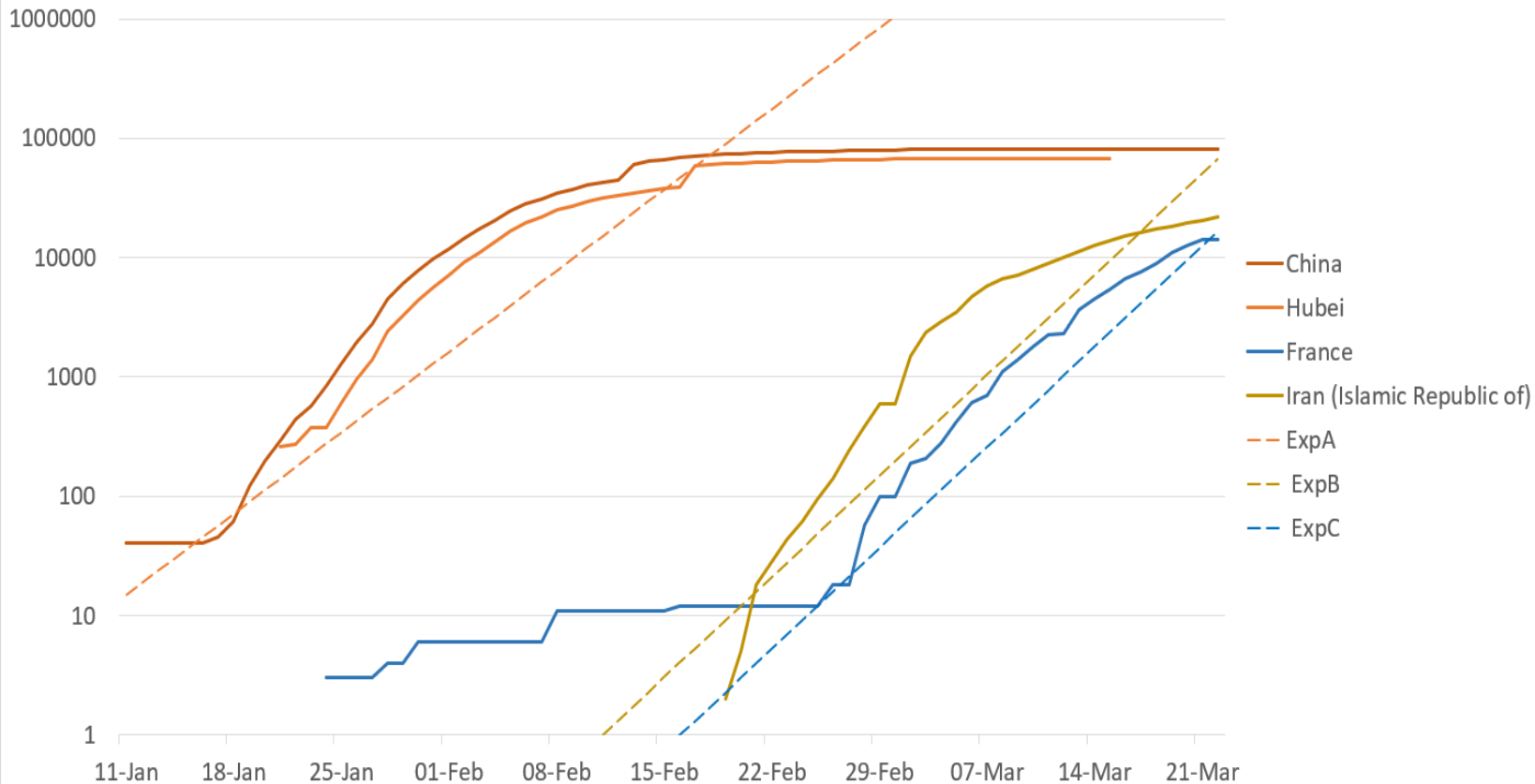


How many apologists
 will be looking at this
 trying to excuse their
 parent government?
 The biggest case of
 Stockholm Syndrome
 in history



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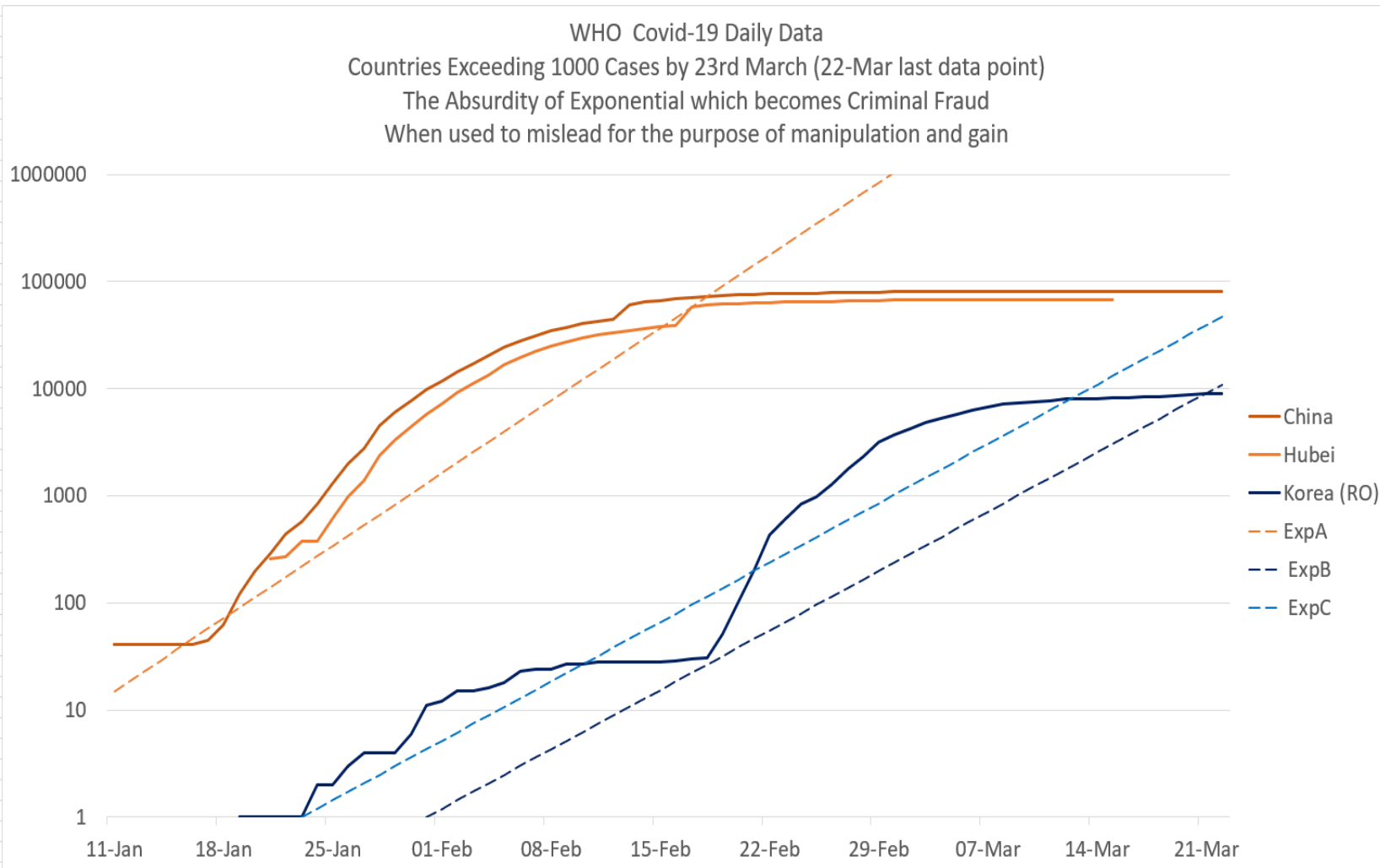
WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 23rd March (22-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain



France, Iran
 Both clearly bowed,
 Iran massively so



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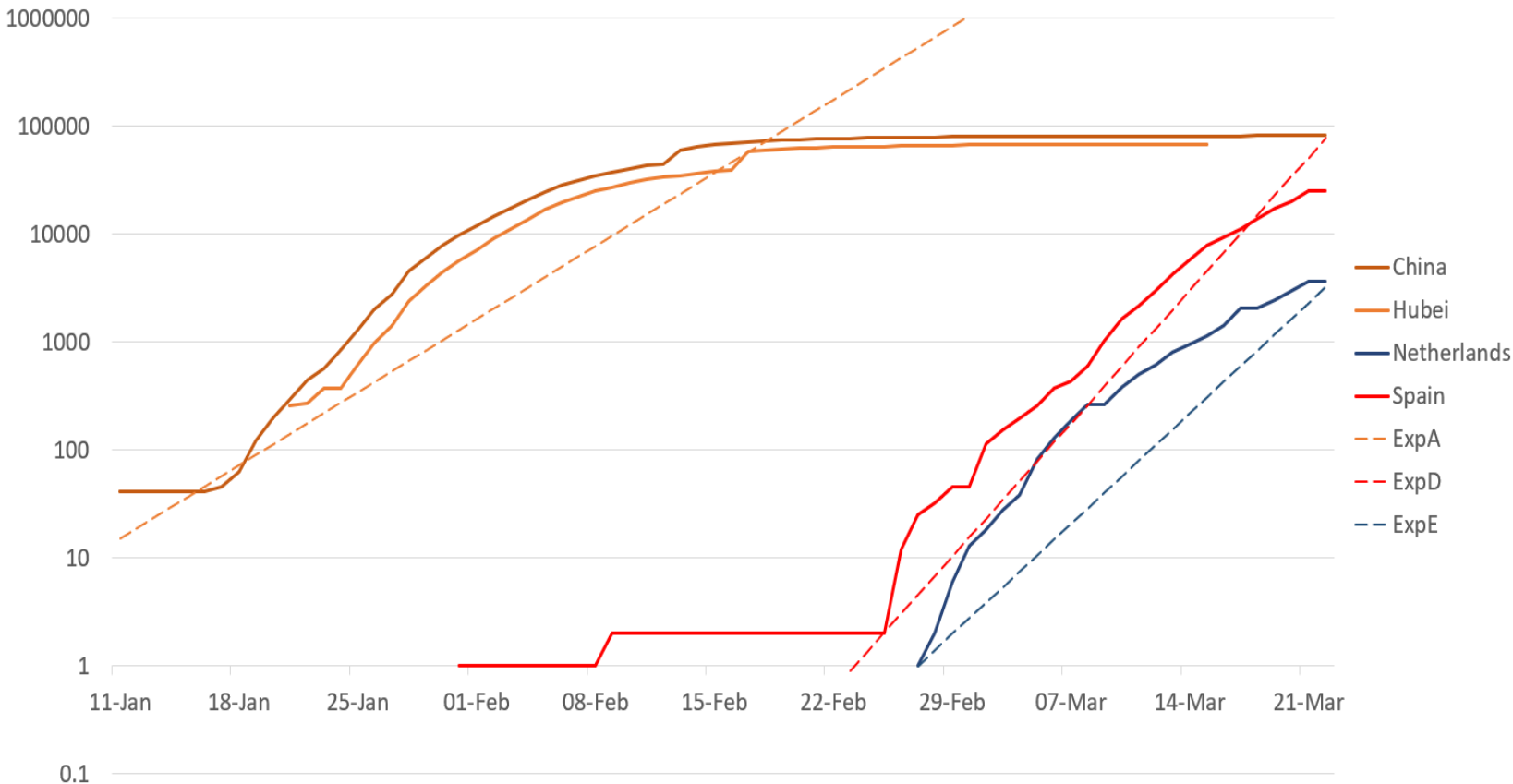
Korea (RO) of course
OVER and OVER
 and OVER...
 ... and nowhere NEAR
 Hubei levels

Did Korea lie?



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 Countries Exceeding 1000 Cases by 23rd March (22-Mar last data point)
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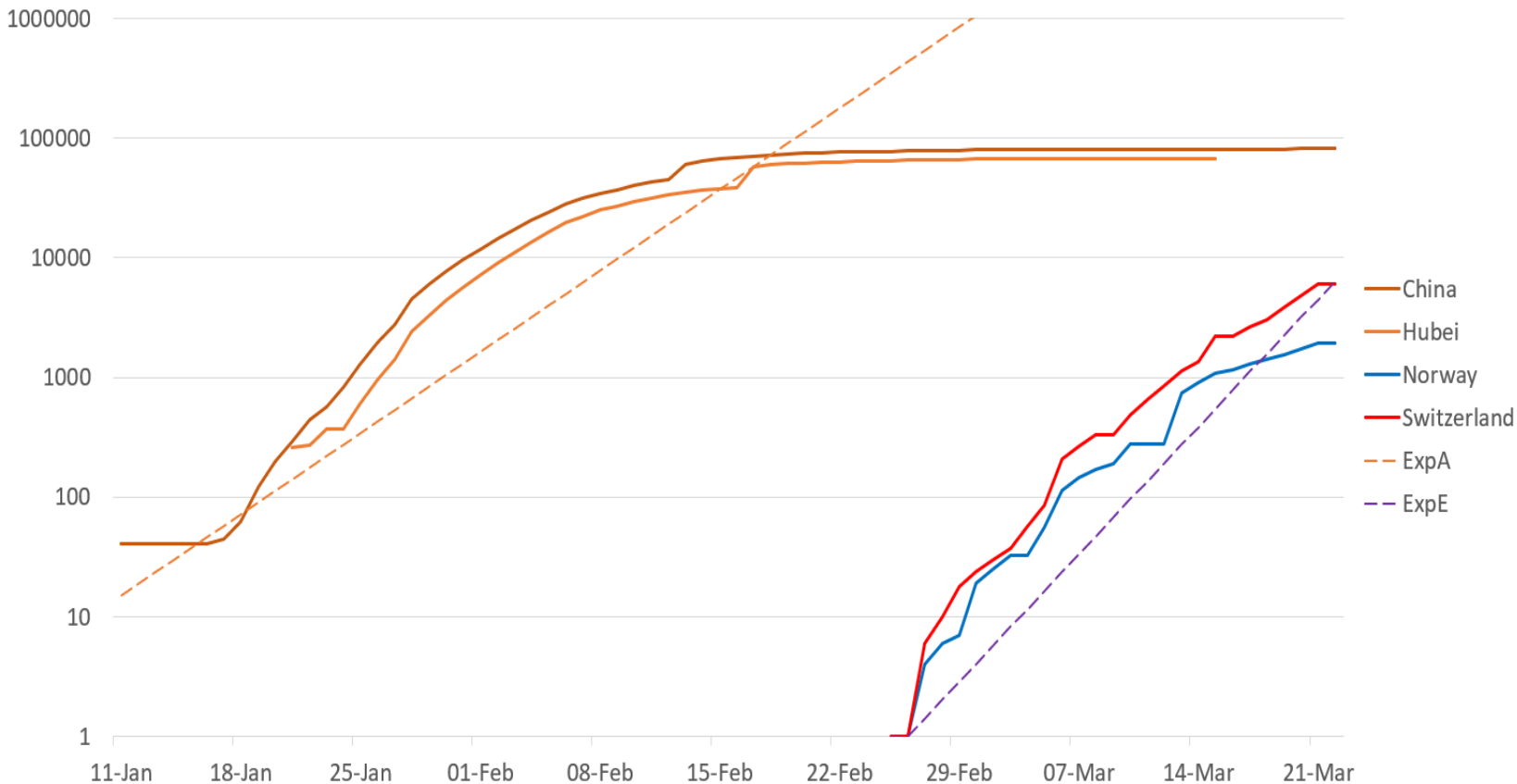


Netherlands, Spain
 Clearly bowed,
 Netherlands
 massively so



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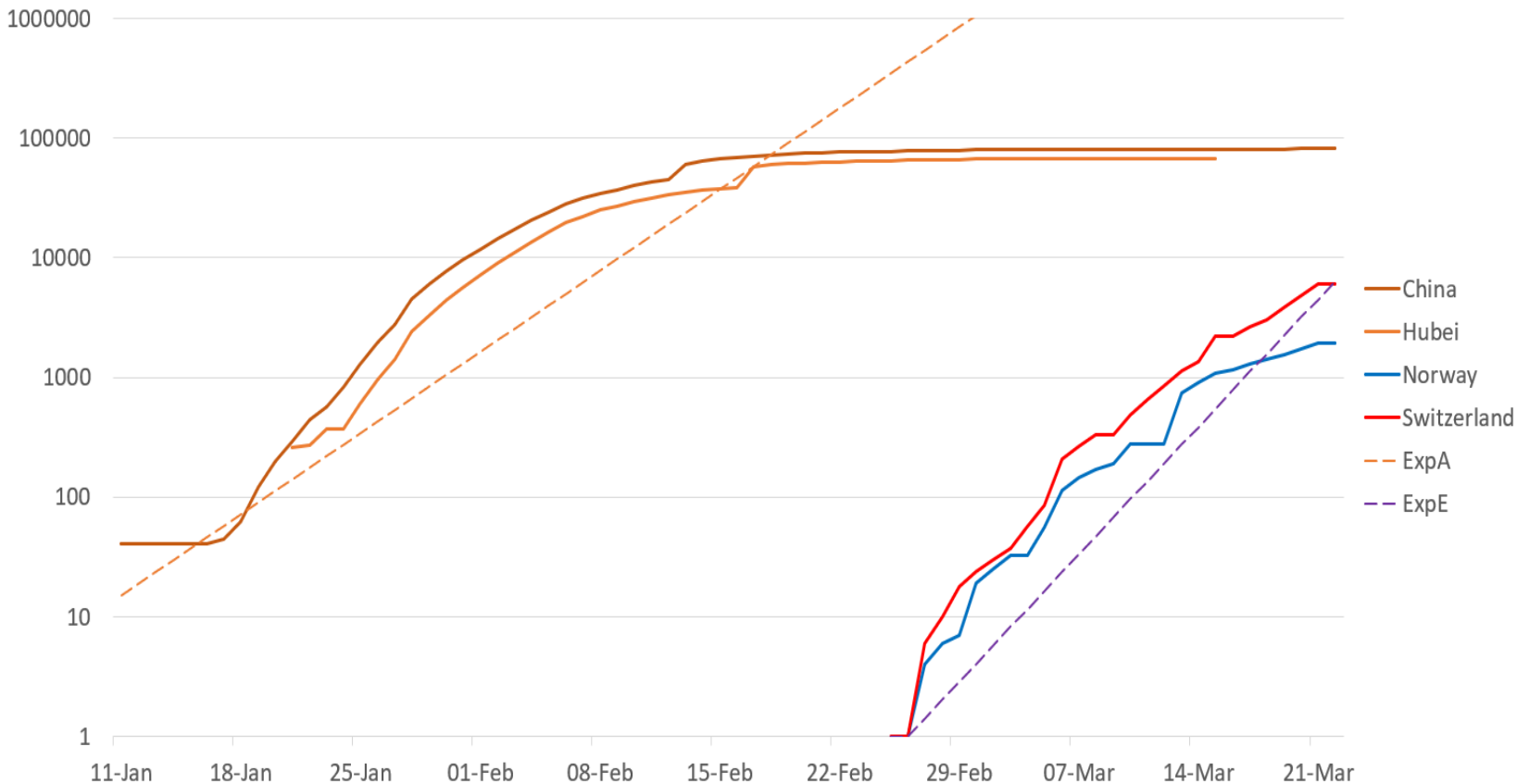
Norway, Switzerland
 Norway on its way out...
 crisis over even before
 we went into lockdown,
 following Hubei and
 South Korea...

Exponential?
NEVER exponential



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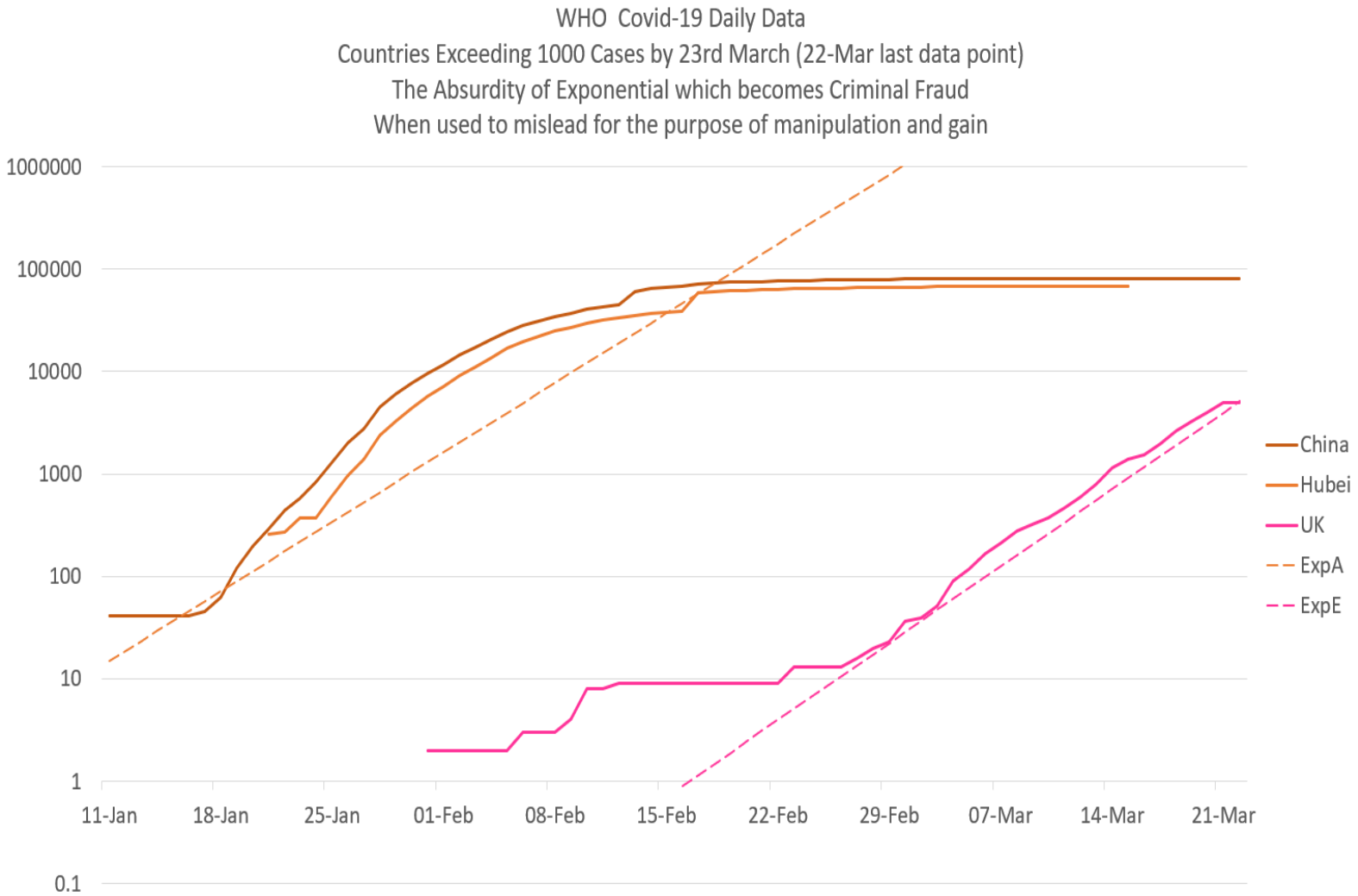
WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 23rd March (22-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain



And the politicians had this so either they were **INCOMPETENT** and not fit to govern you or they **LIED** to you for reasons that you can surmise for yourself. Hint: they did tell you to wait for the vaccine.



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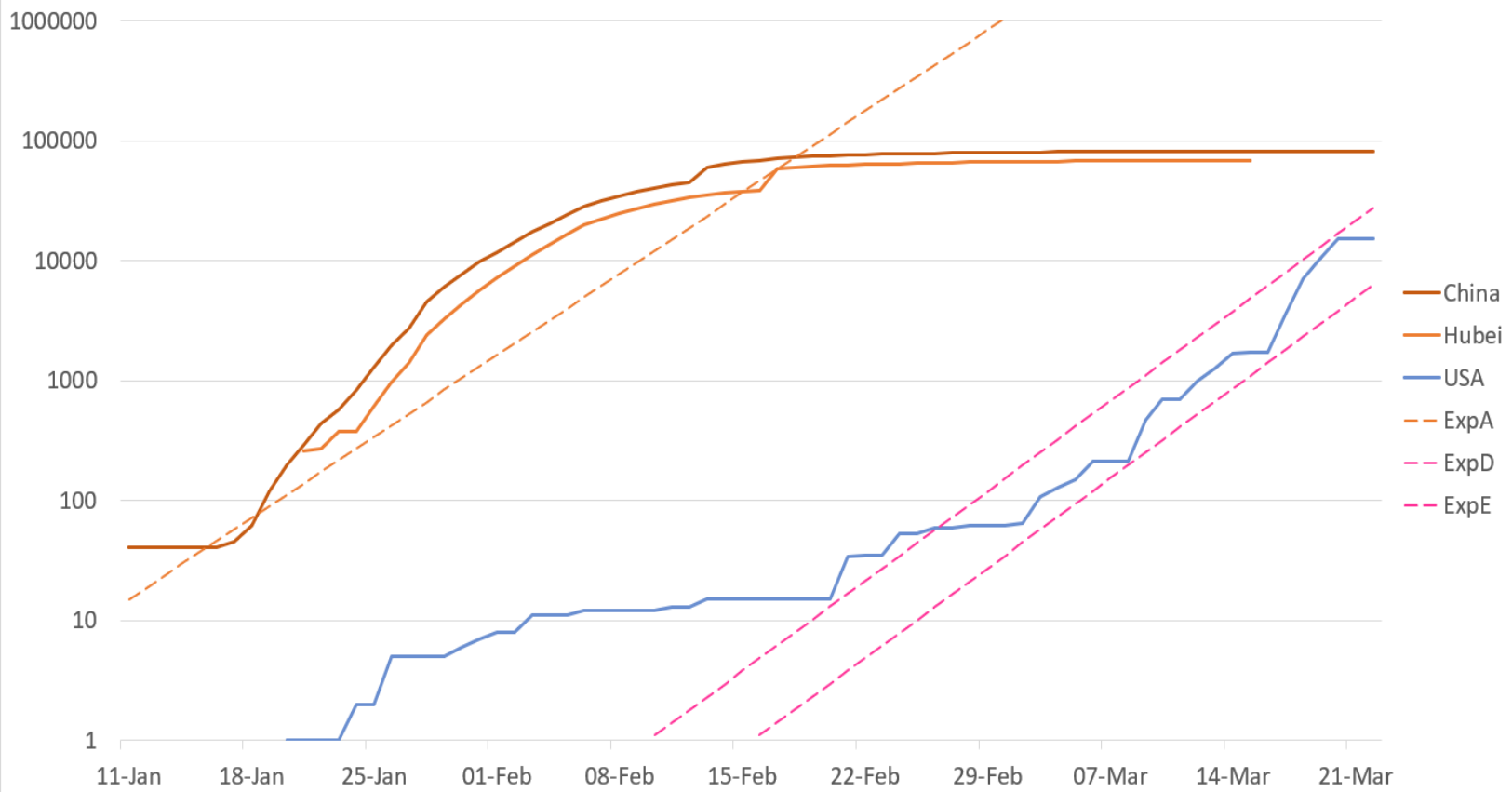


Even we in the UK are timidly bowing just a little... but then we've yet to discover the extent to which the figures will depart from 'a virus' once we reach peak...



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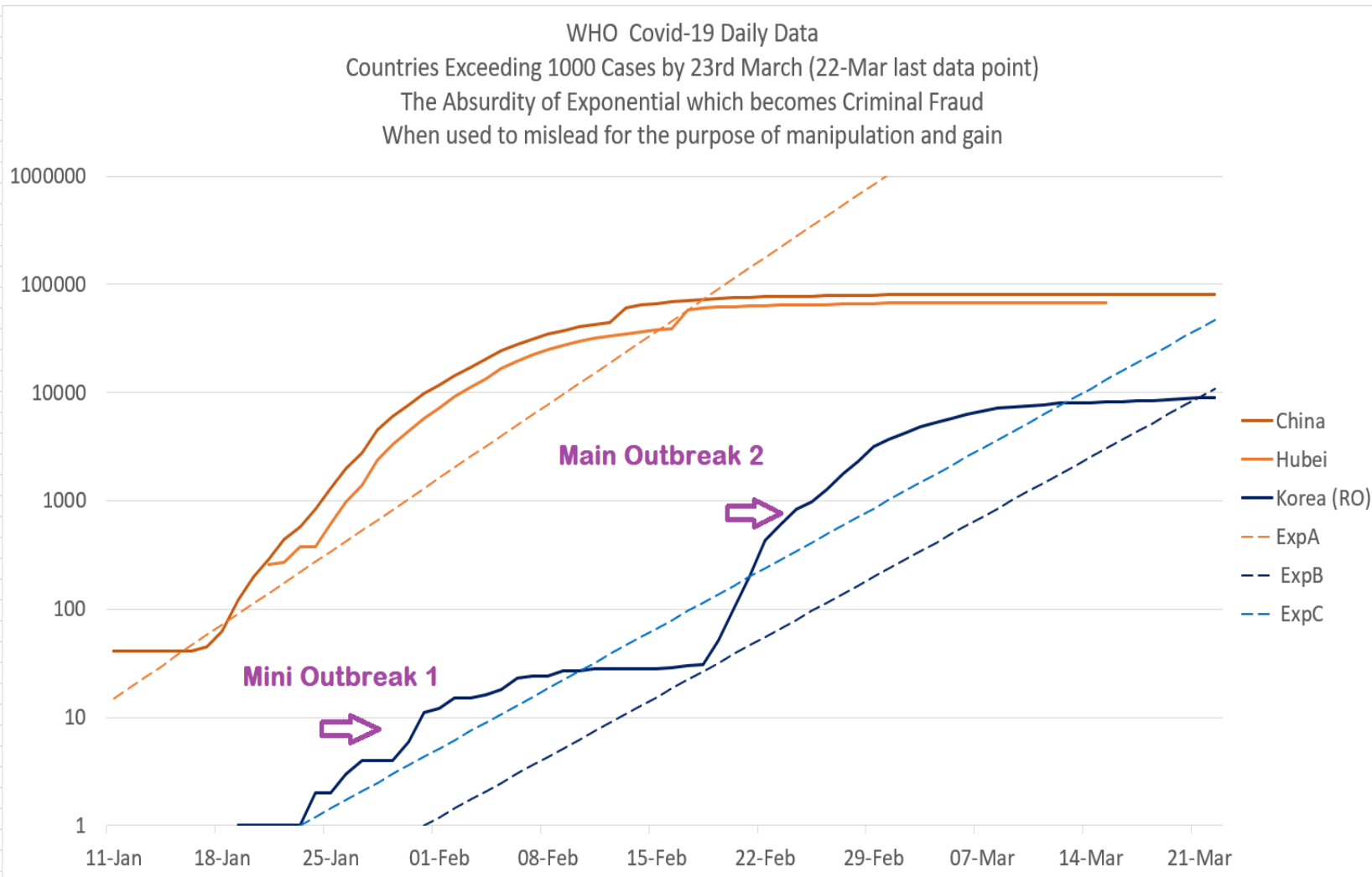
WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 23rd March (22-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain



And the US likewise,
 curling over cos that's
 what viruses do...
 ... but no, we can't have
 that... someone's
 fighting back in the land
 hit 15x harder than the
 rest of the world, 240x
 harder in NYC



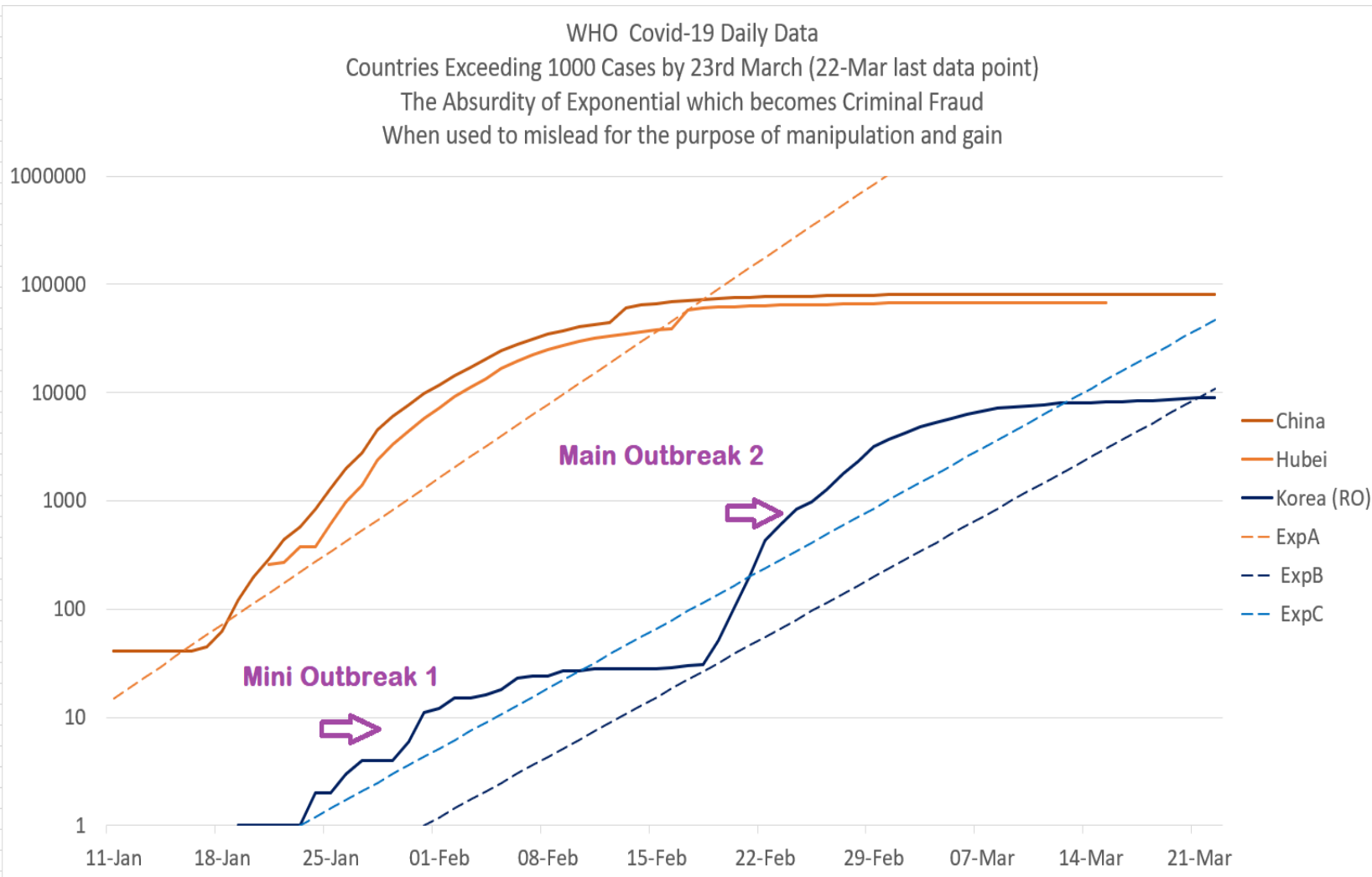
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By March 23rd, even the “China lied” meme doesn’t save them, with all those countries showing curlover, bowed curves, showing the virus isn’t exponential in growth and never was



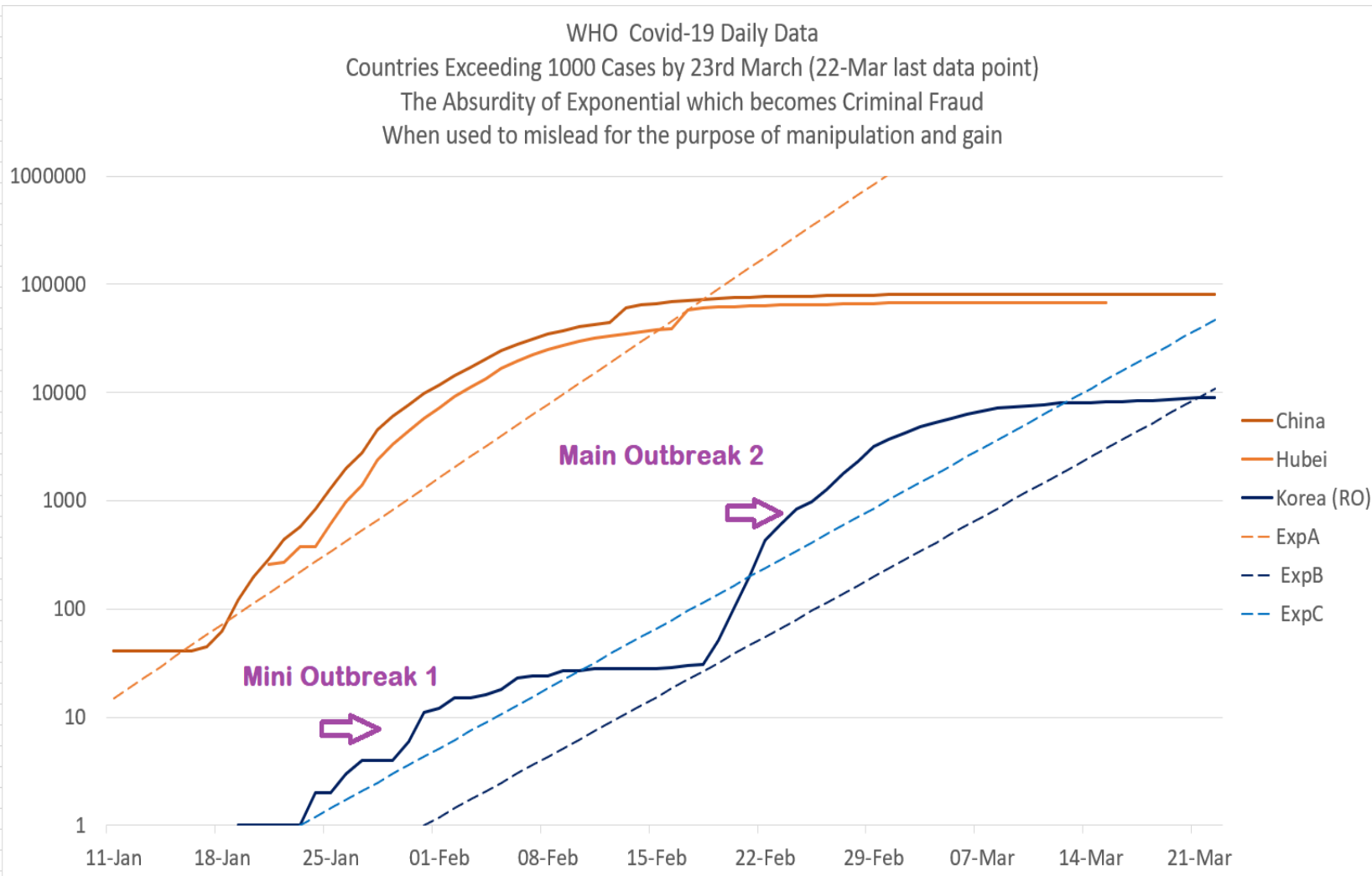
NOTE TO CENSORS: We use only government data
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... and Korea over.
 China lied?
 It's proven to be a
 godsend as a benchmark
 that other western
 countries exceed, and
 the rest of the world by
 and large does far better
 than



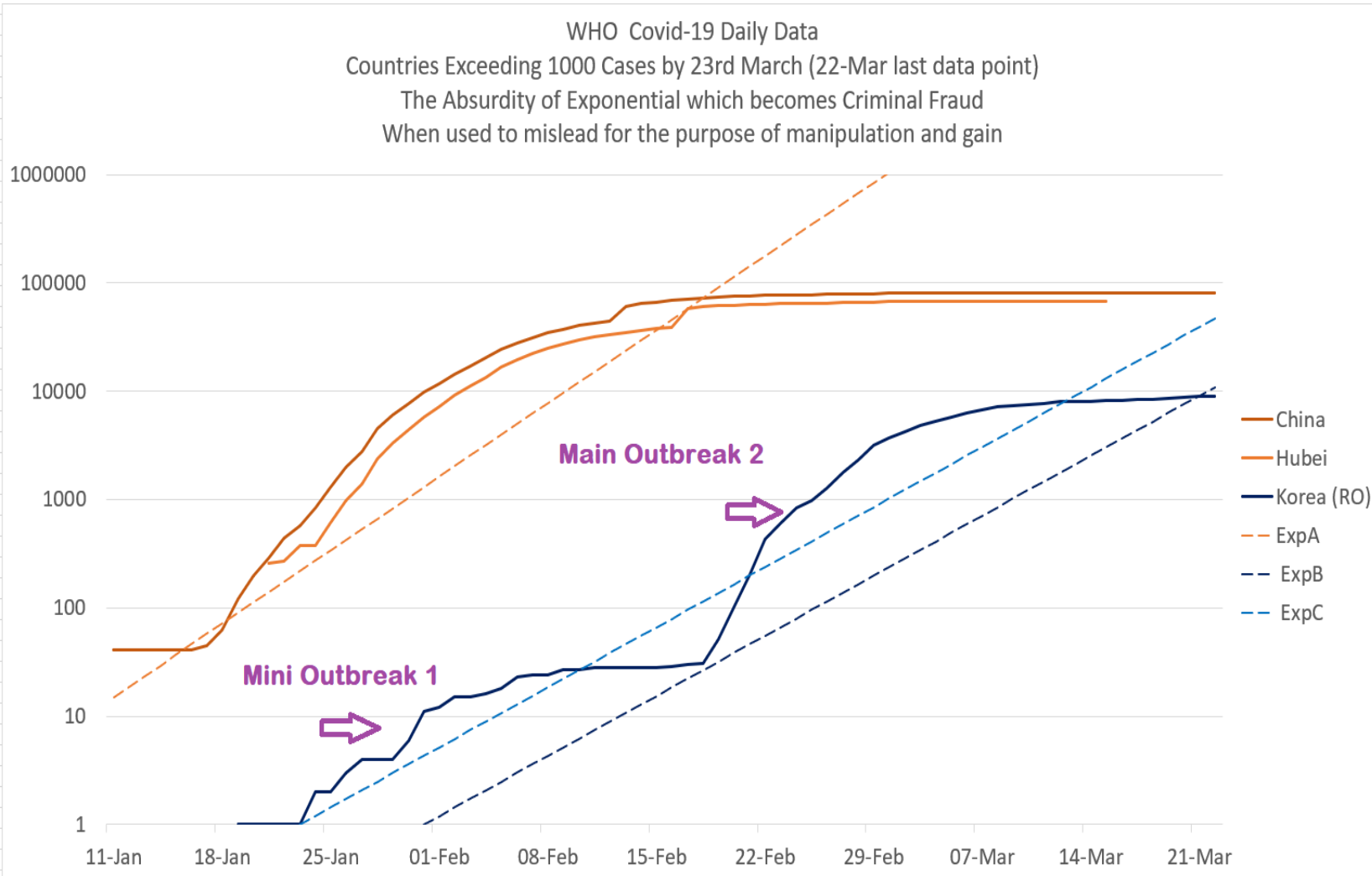
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Why would the same virus hit western nations close to NY, UK and EU (but not for example Greece and Poland, not friends of the EU) so hard?



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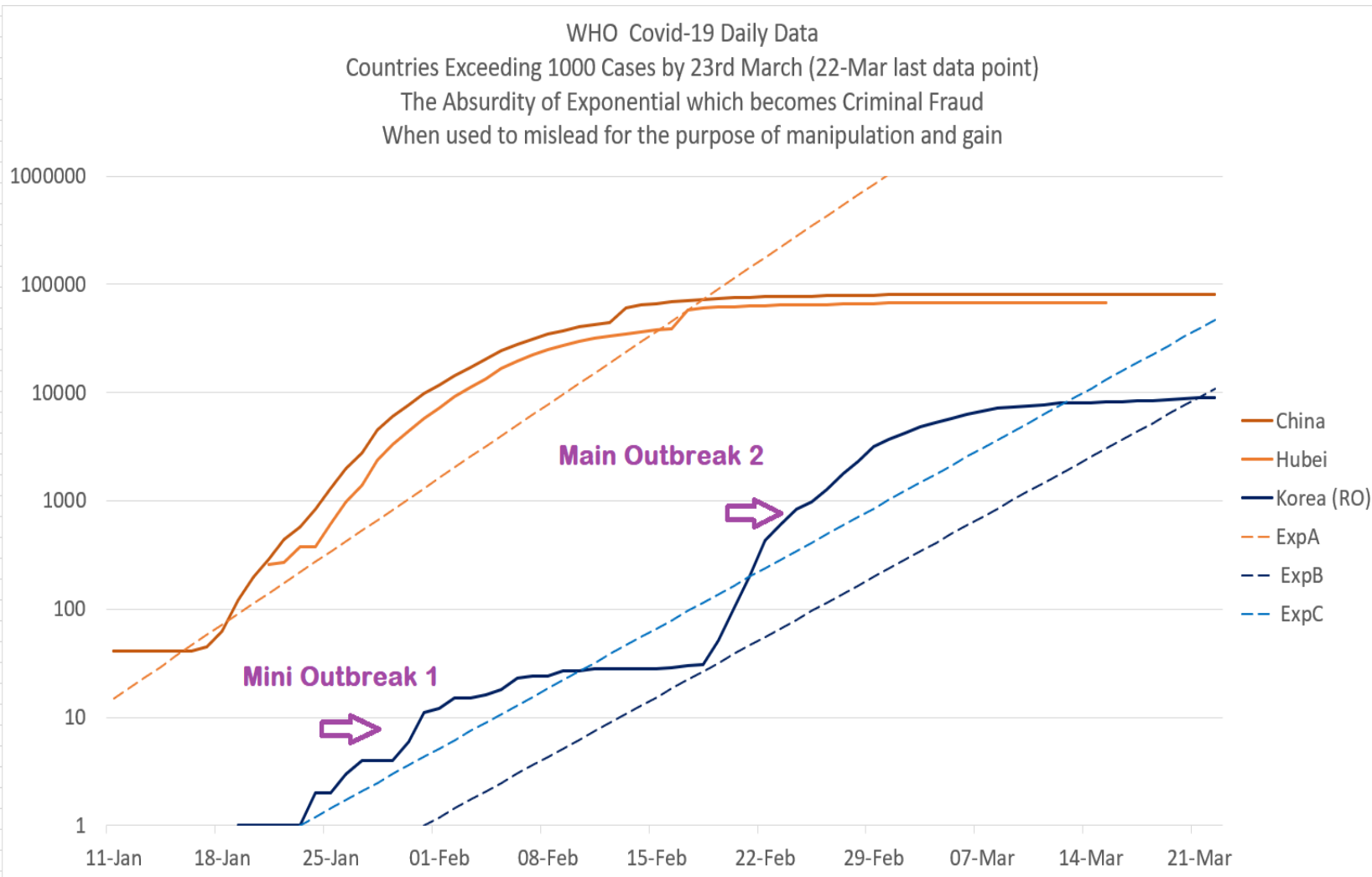


It's a virus, not a political animal playing political games.

Politicians though...
 ... they are political animals and they do play games.



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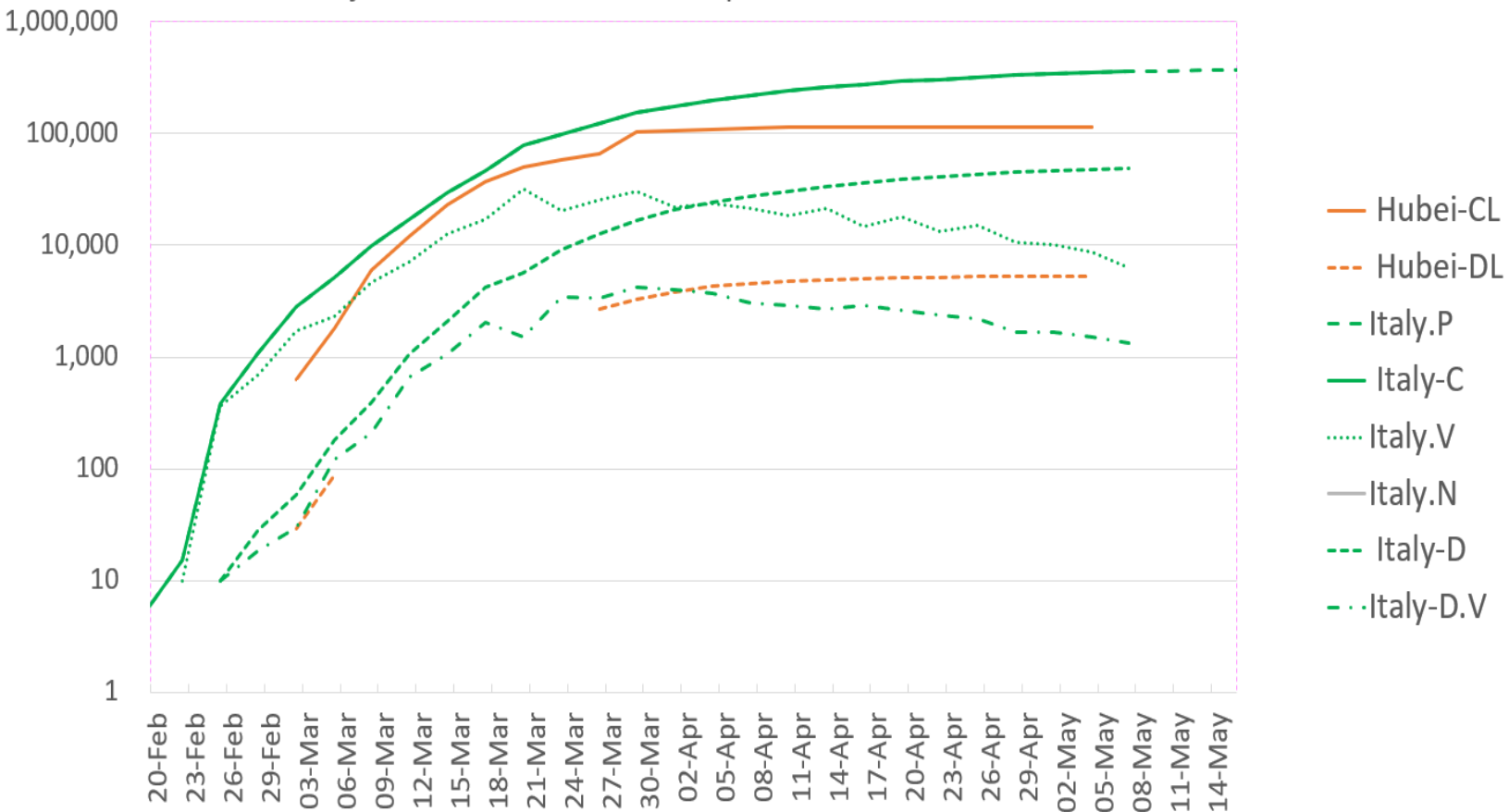


And today of course we can see charts from our previous chart update (new one coming shortly, but doing this first)...



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Cases Per 100m Pop to 7th May 2020 - Updates Every 3 days
 Peerless Reads YouTube - Includes Vol & example 'exponential'
 Projections from last data except UK from 26th March Lockdown

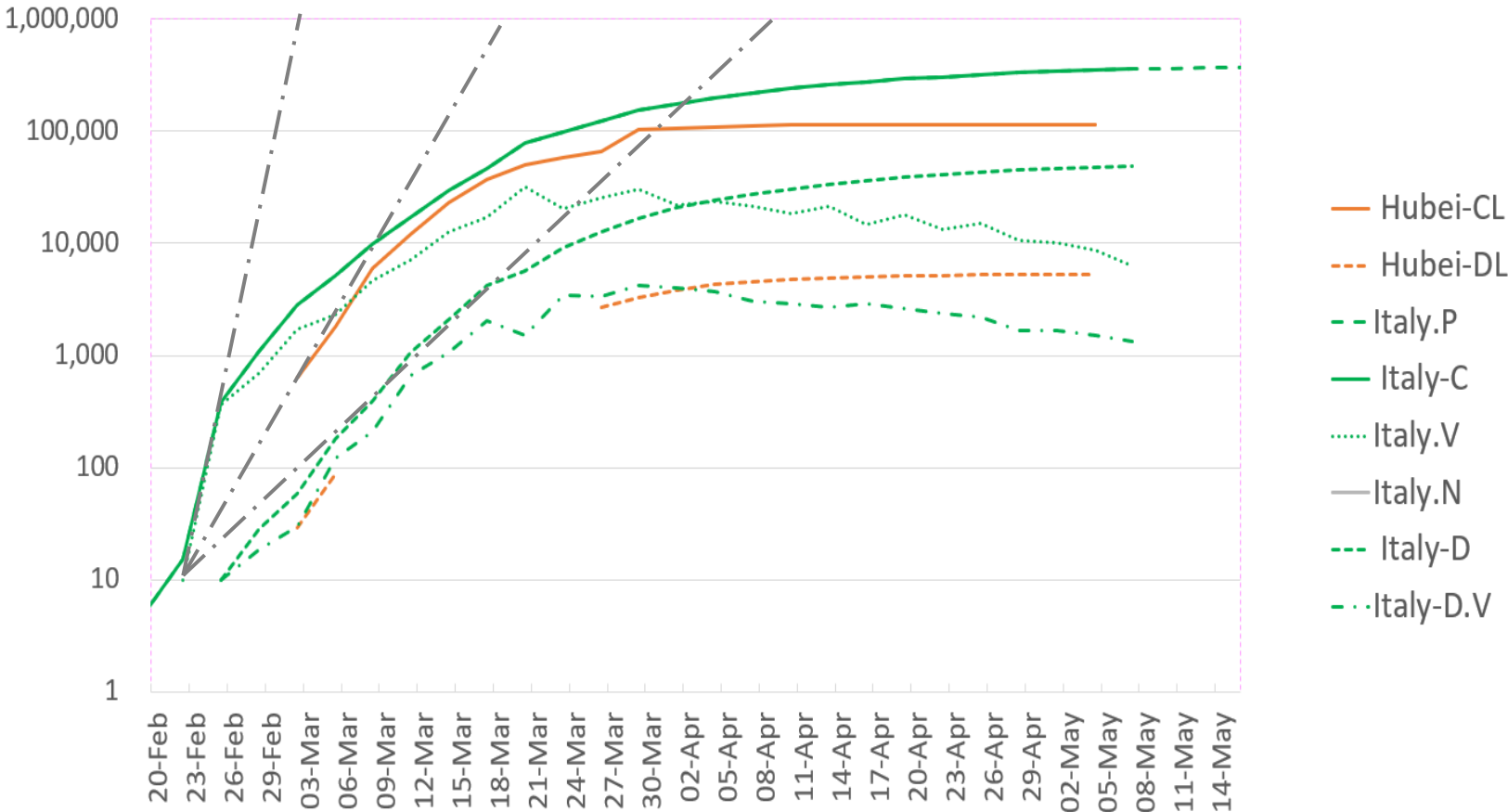


Italy, first and for a long time worst hit country in the world until Spain overtook it (and no it was NEVER the USA... population guys... just cos you're big doesn't mean you're worst hit)



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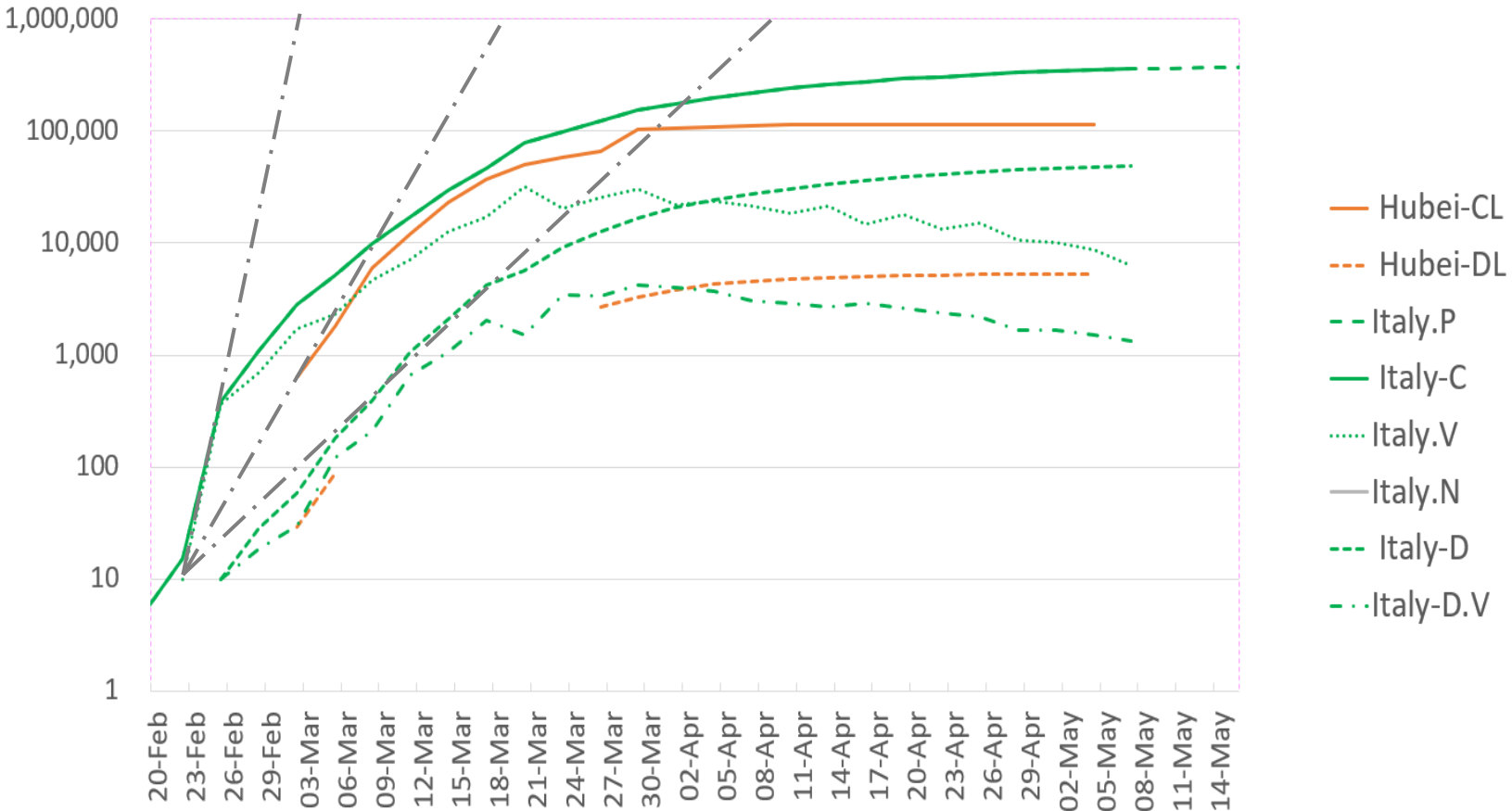


I've added some exponential curves (straight lines on log)... pick one. None of them fit. You can't fit a straight line to a curve... or vice versa... but those straight lines are the 530,000 deaths you were told to be scared of



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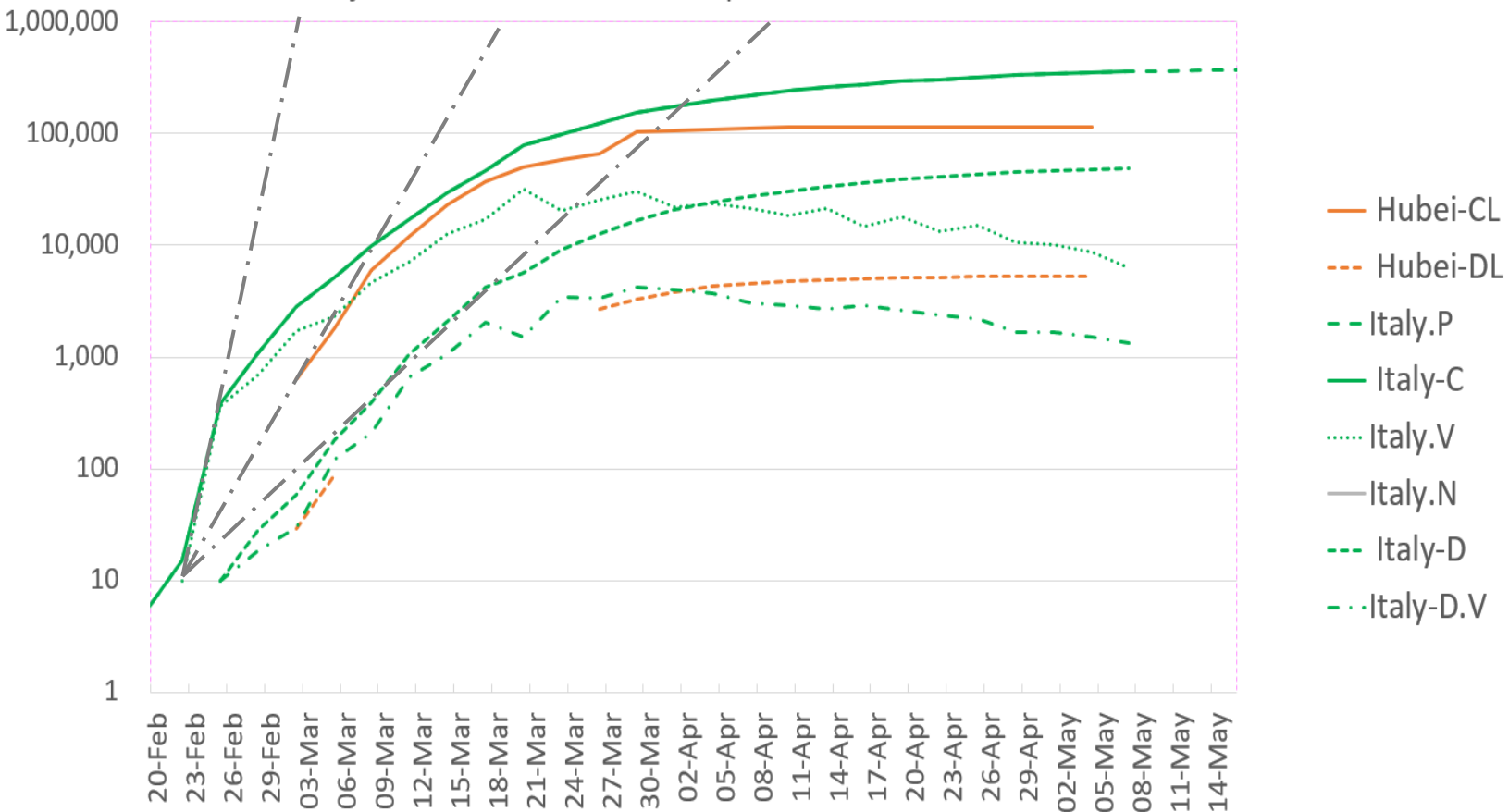


You were lied to from the very beginning, and they're still lying to you, and if anyone tells you that, you argue and dismiss and refuse to accept the possibility...



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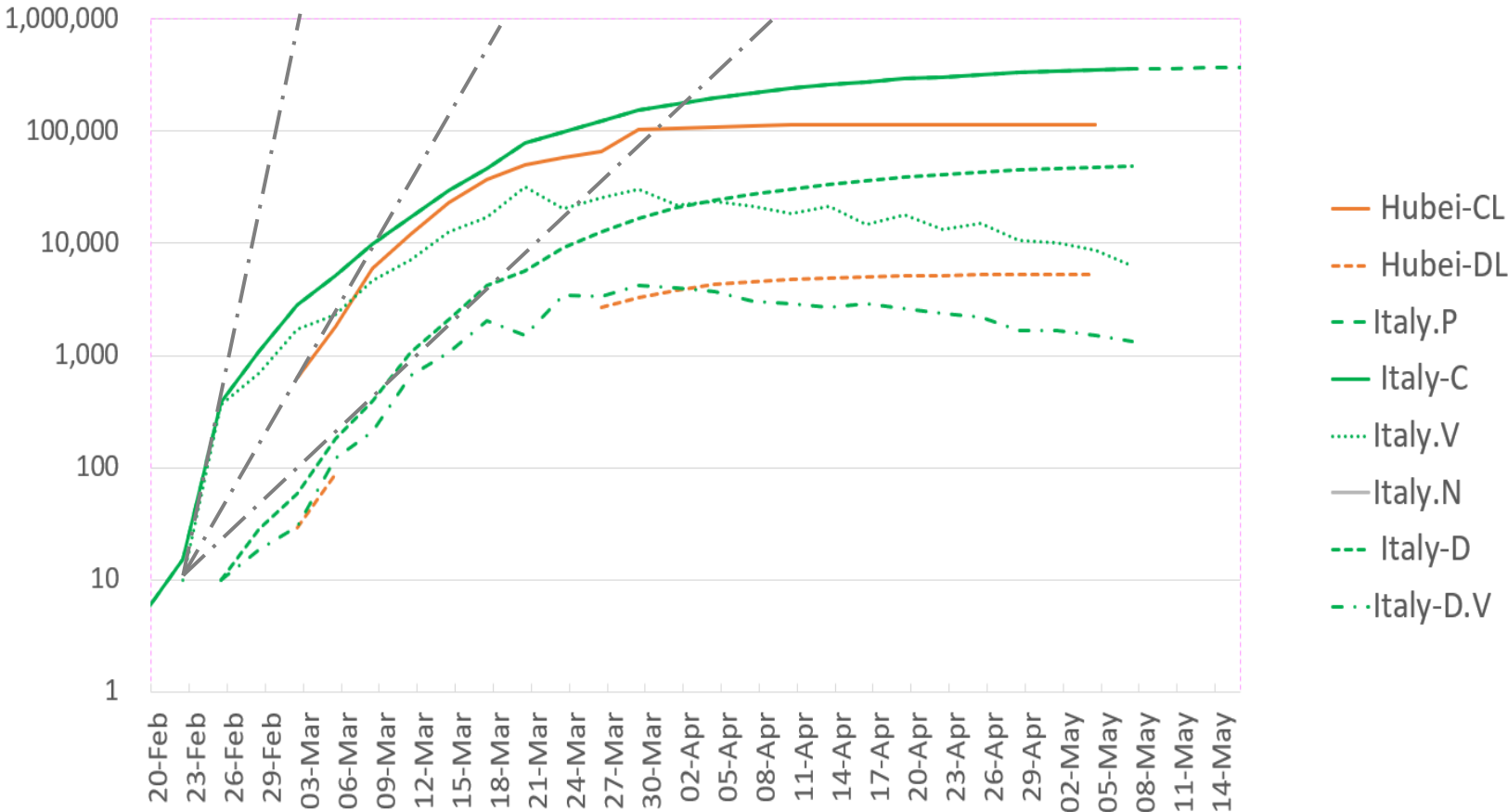


If you'd argued and dismissed and refused to accept the possibility at the very beginning, you'd never have been put in Lockdown, or as of today had it extended in fear of the "second wave" (UK)...



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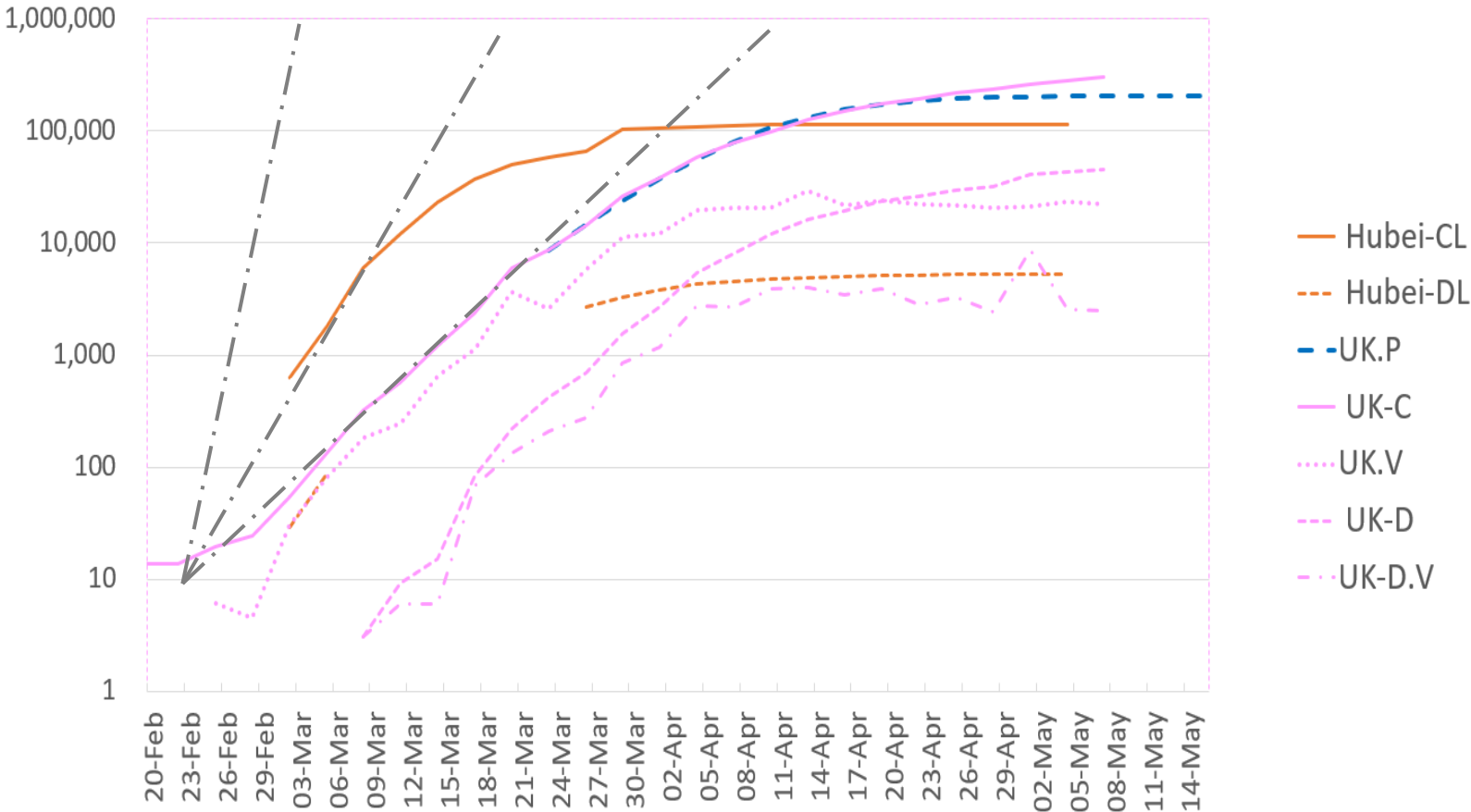


... and you believe that.
 Like Bill Gates, Justin
 Trudeau and the UK
 government said,
 you ain't coming out till
 the vaccine.
 Why won't you just
 accept that?
 And then decide that's
 not how your society is
 going to be run.



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Even the UK, it curled
 over...
 “but that’s because of
 lockdown”

No it was curling over
 BEFORE lockdown... we
 just need a little bit of
 patience and we’d have
 been out like the rest

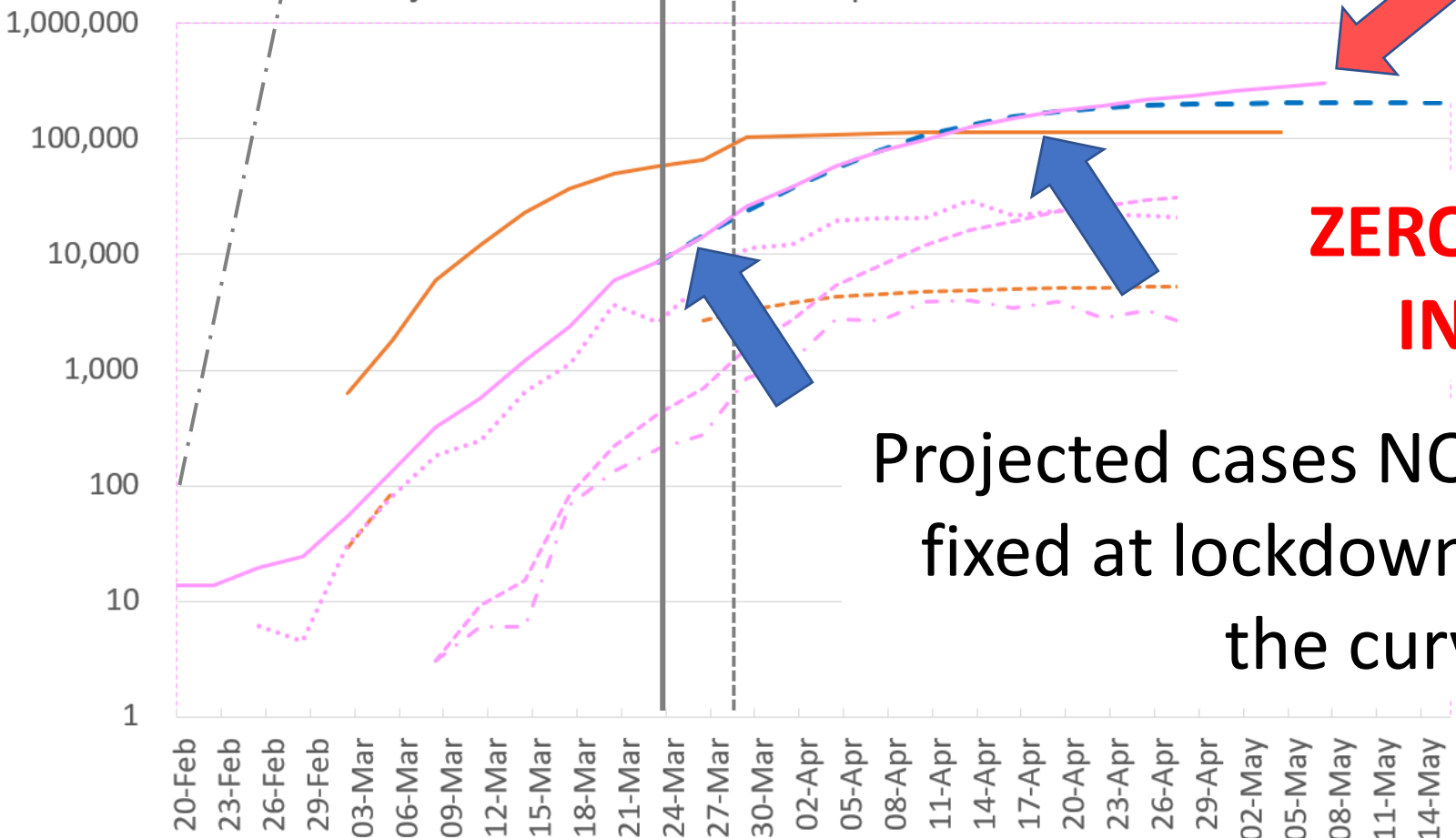


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Lockdown initiated

Lockdown earliest effect (incubation)

Cases Per 100m Pop to 7th May 2020 - Updates Every 3 days
Peerless Reads YouTube - Includes Vol & example 'exponential'
Projections from last data except UK from 26th March Lockdown



**UNTIL IT ACTUALLY
EXCEEDS NO
LOCKDOWN CASES**

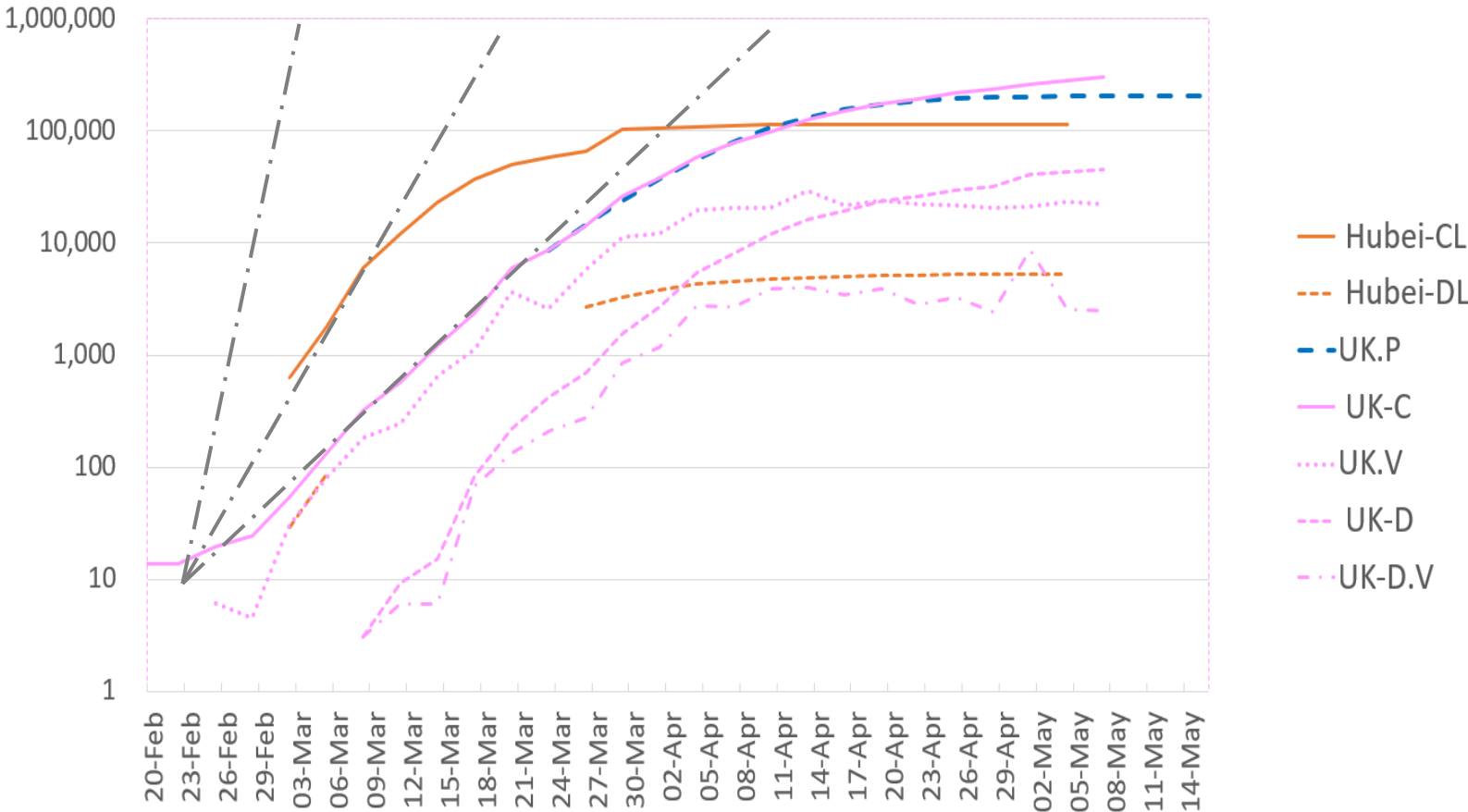
**ZERO CHANGE
IN CASES**

**Projected cases NO LOCKDOWN
fixed at lockdown defined by
the curve**



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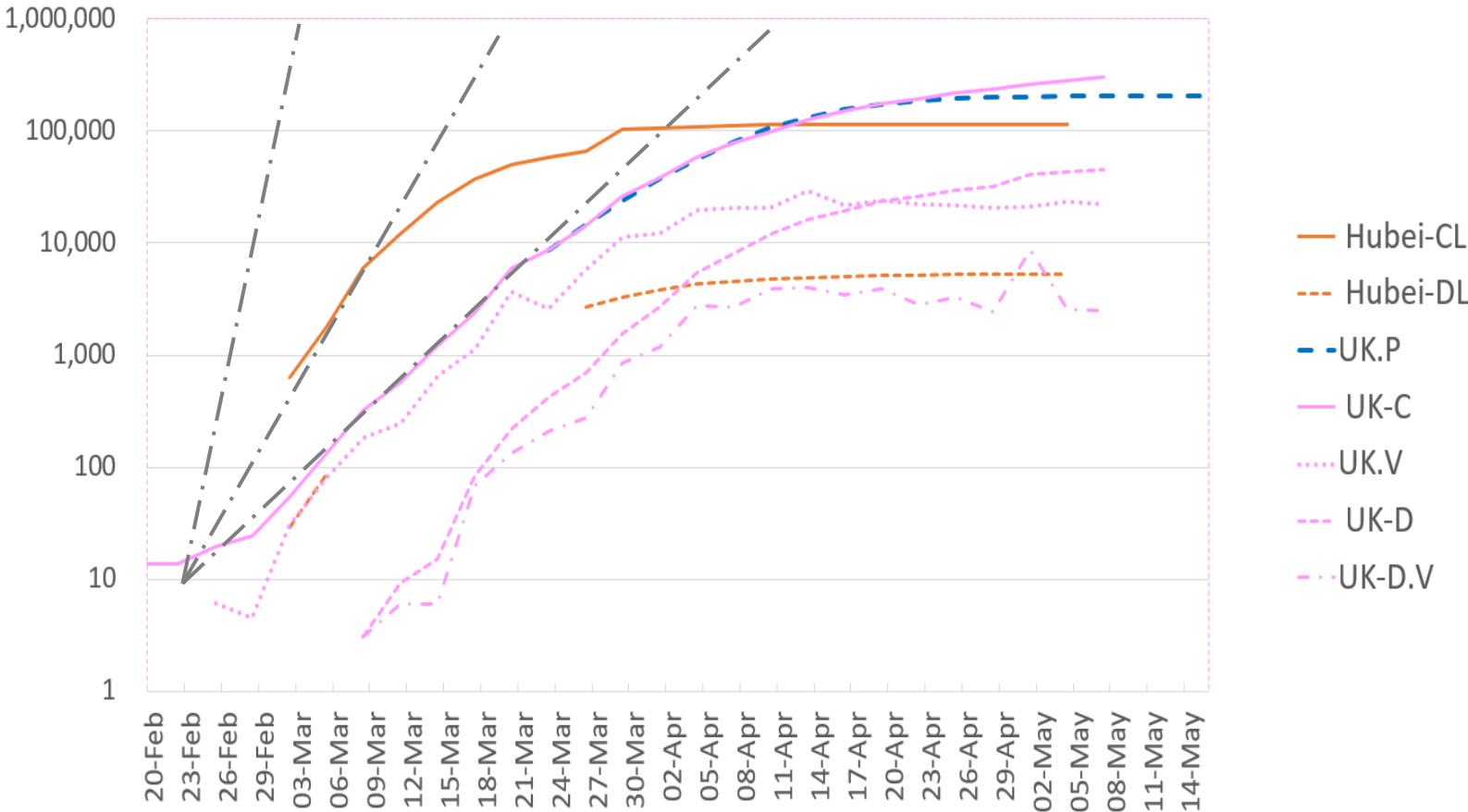


But hey... maybe I made a bad projection.
 No doubt you're figuring out the excuse why you should believe the government and disregard this, right?



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Fair enough: what did
 the govt. say?
 Lockdown is working.

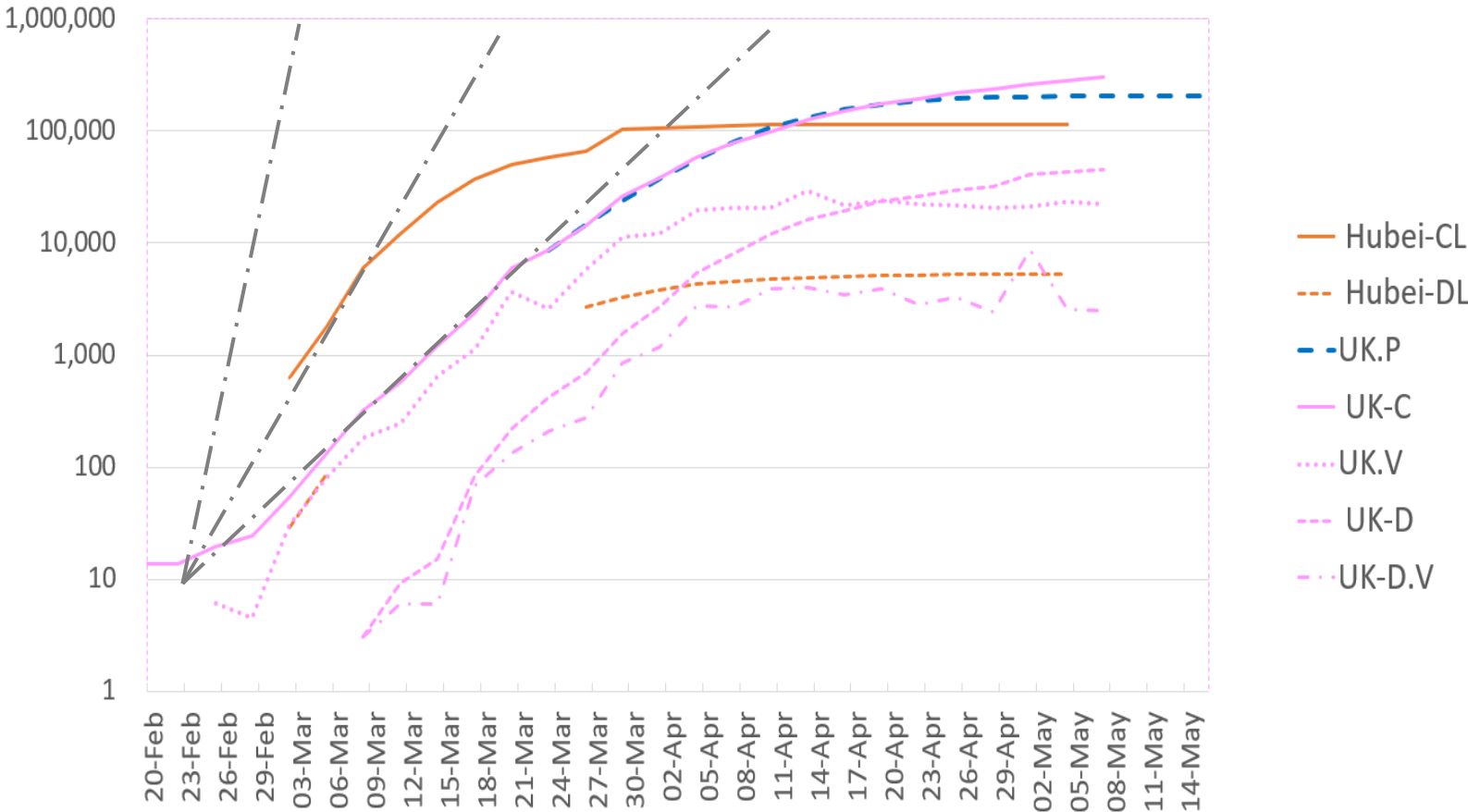
The growth in new cases
 is reducing.

Here's what they didn't
 tell you:



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 Projections from last data except UK from 26th March Lockdown



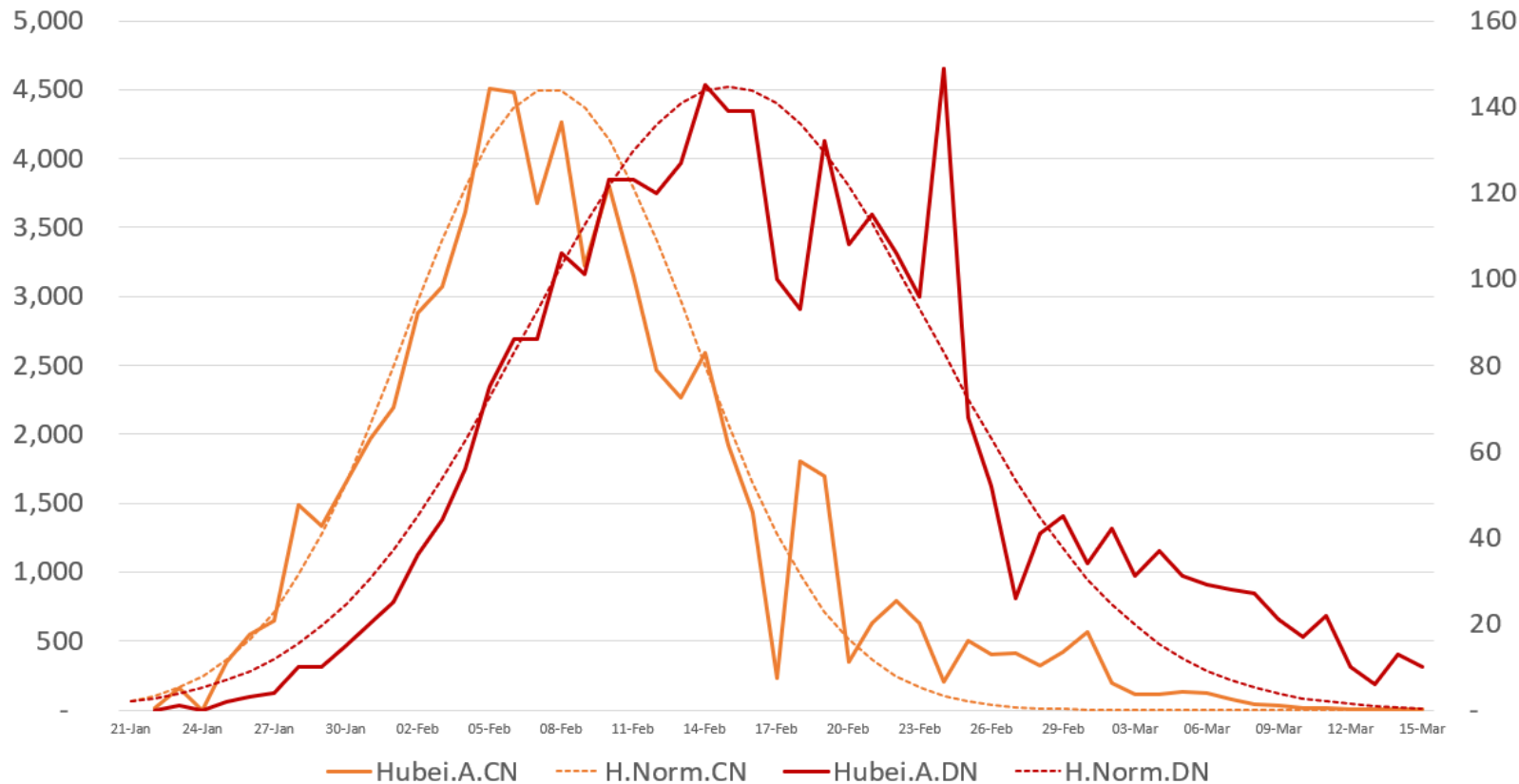
The growth in new cases is ALWAYS reducing, from DAY ONE.

It's a FACTOR of the normal distribution (not an EXPONENTIAL curve) that the virus propagation most closely resembles.



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Hubei Cases and Deaths : Constrained Normal Distribution Fit
 A Normal Distribution For N Cases/Deaths is defined in Excel as $N = \text{Norm.Dist}(x, m, s) *$
 f
 We constraint x to integer days post X0 (default zero at 1st data point)
 m to observed peak day index (zer

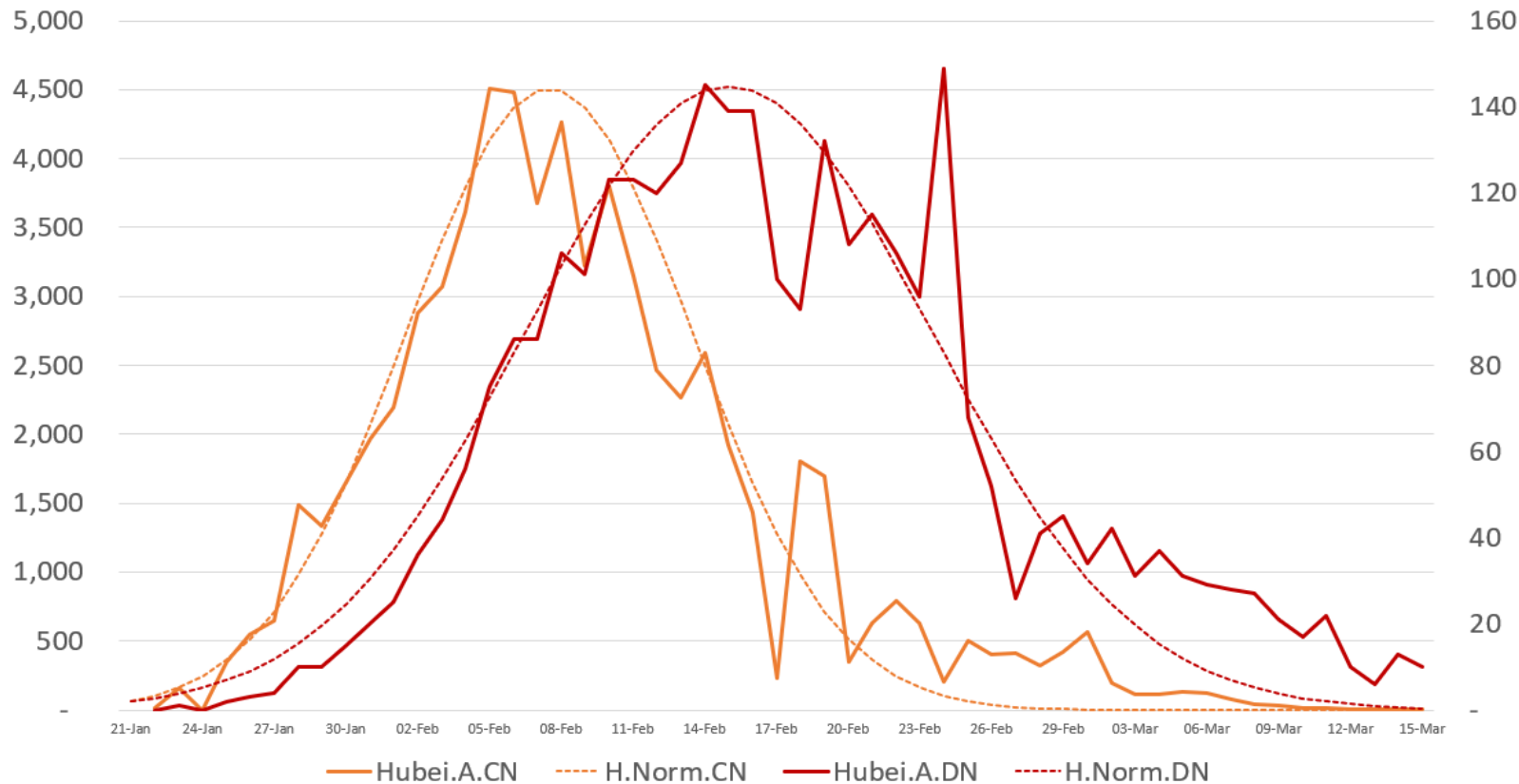


Hubei... NORMAL
 in both cases and deaths
 And here we even
FORCED the distribution
 to use the actual
 observed peak (mean
 date), and population
 (cases and deaths) and
 peak level...



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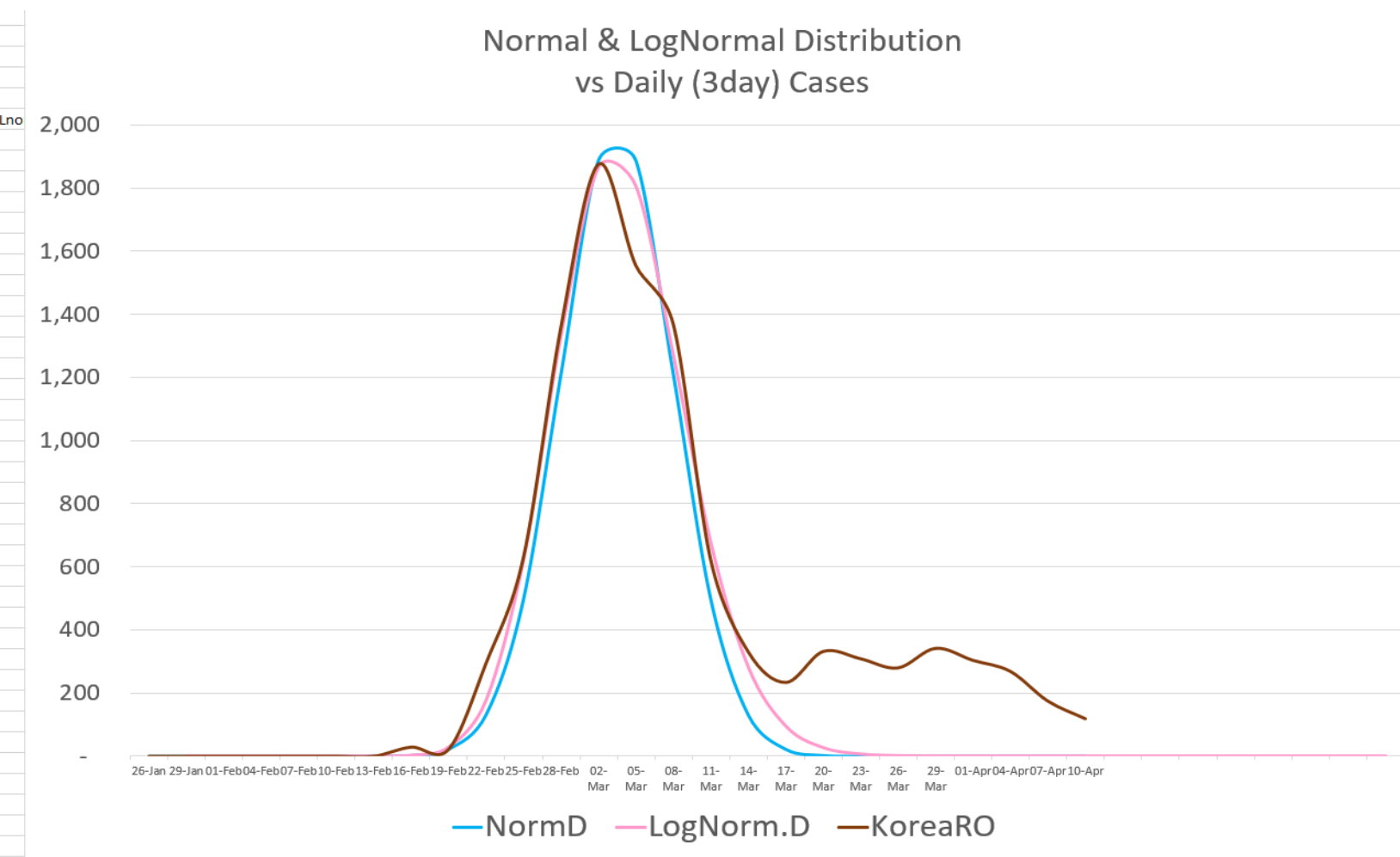
Hubei Cases and Deaths : Constrained Normal Distribution Fit
 A Normal Distribution For N Cases/Deaths is defined in Excel as $N = \text{Norm.Dist}(x, m, s) * f$
 We constraint x to integer days post X0 (default zero at 1st data point)
 m to observed peak day index (zer



If the curves didn't fit,
 they'd have blown out
 the sides or been too
 narrow... instead they're
 a perfect fit for what
ACTUALLY HAPPENED
NORMAL not
EXPONENTIAL



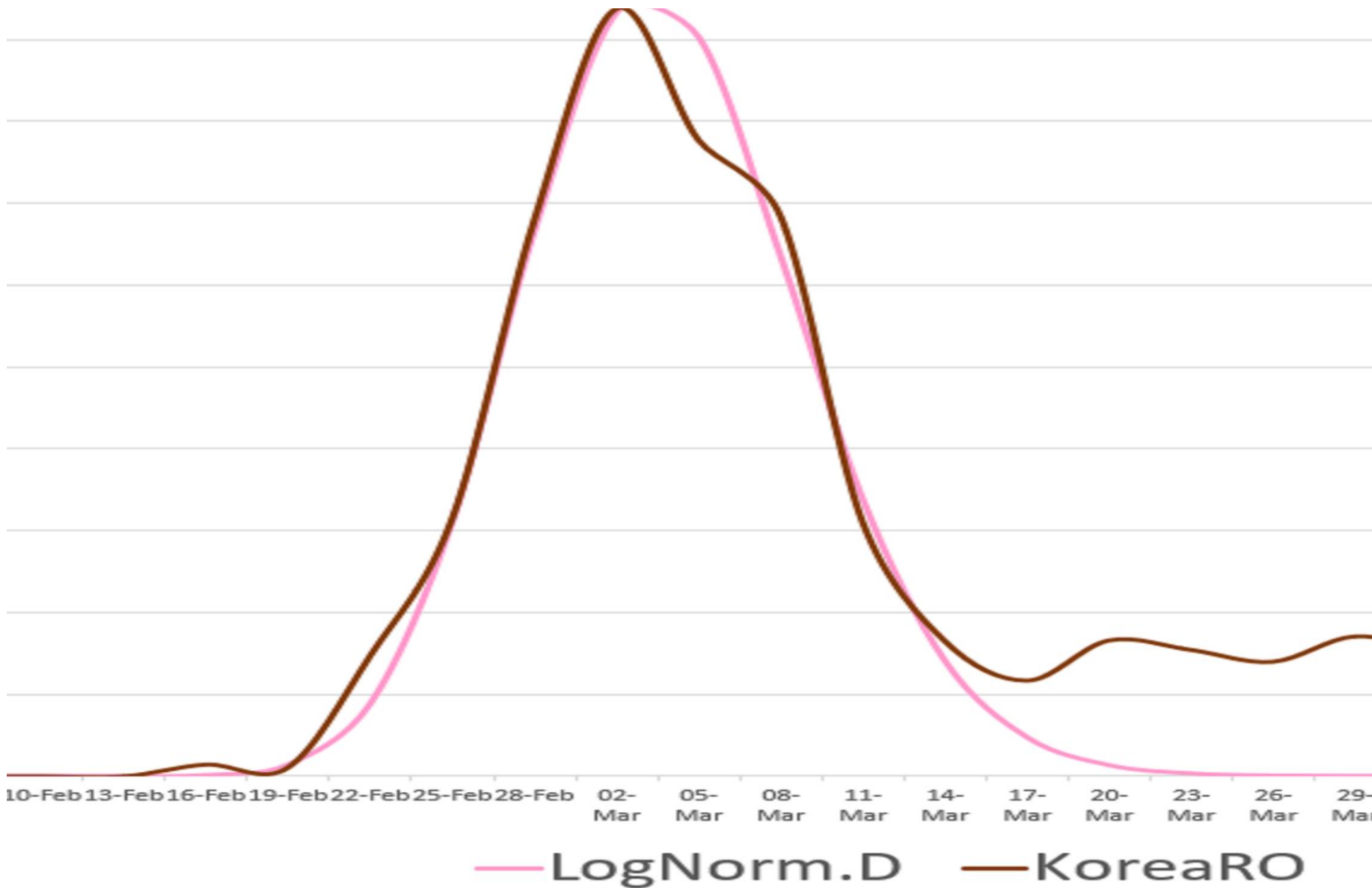
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South Korea
 NORMAL (and its cousin
 lognormal is even a
 fractionally better fit)



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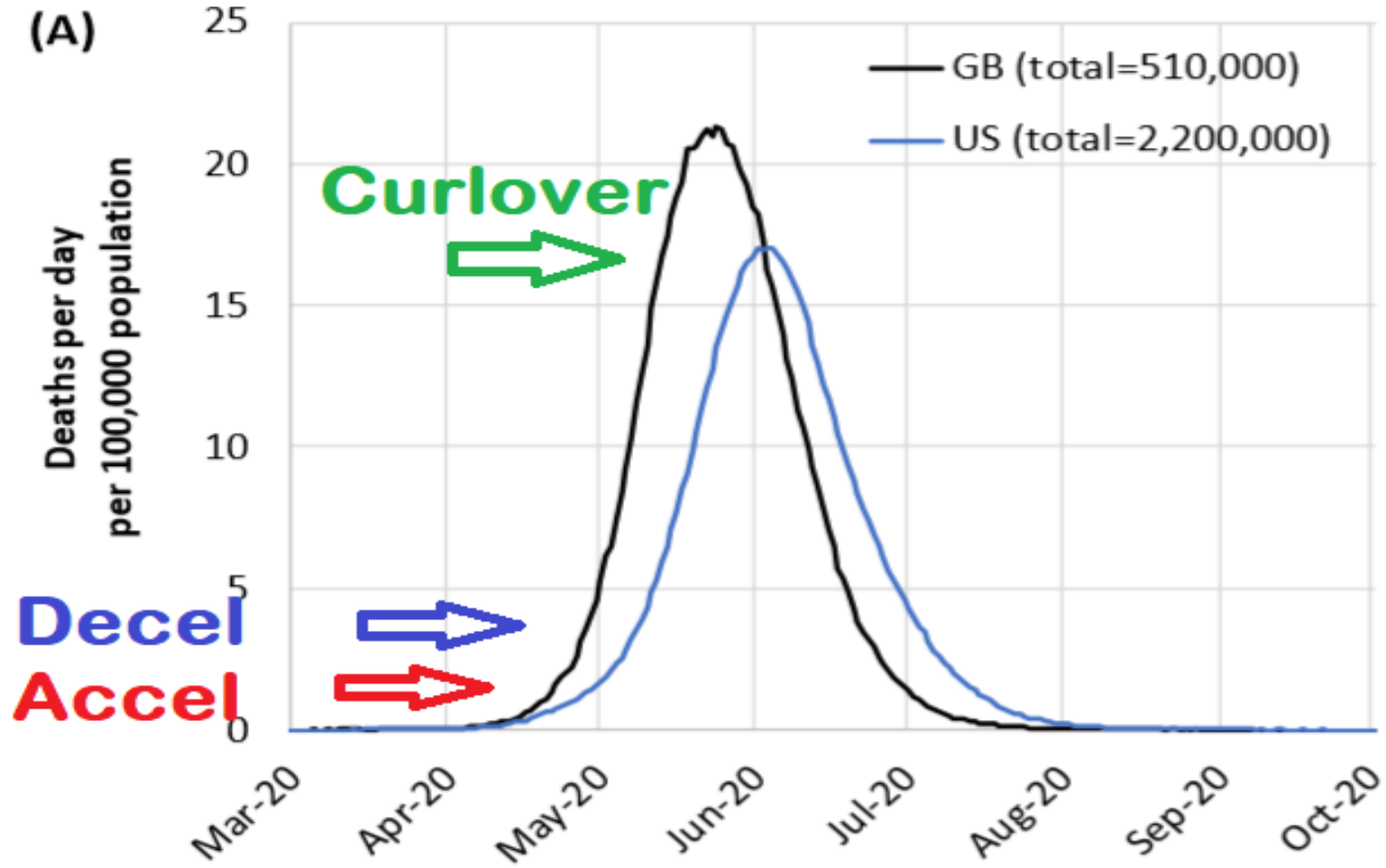
The LogNormal fit is so perfect it's a work of art...

Sout Korea lied?

Maybe you should trust your own government even Imperial college...



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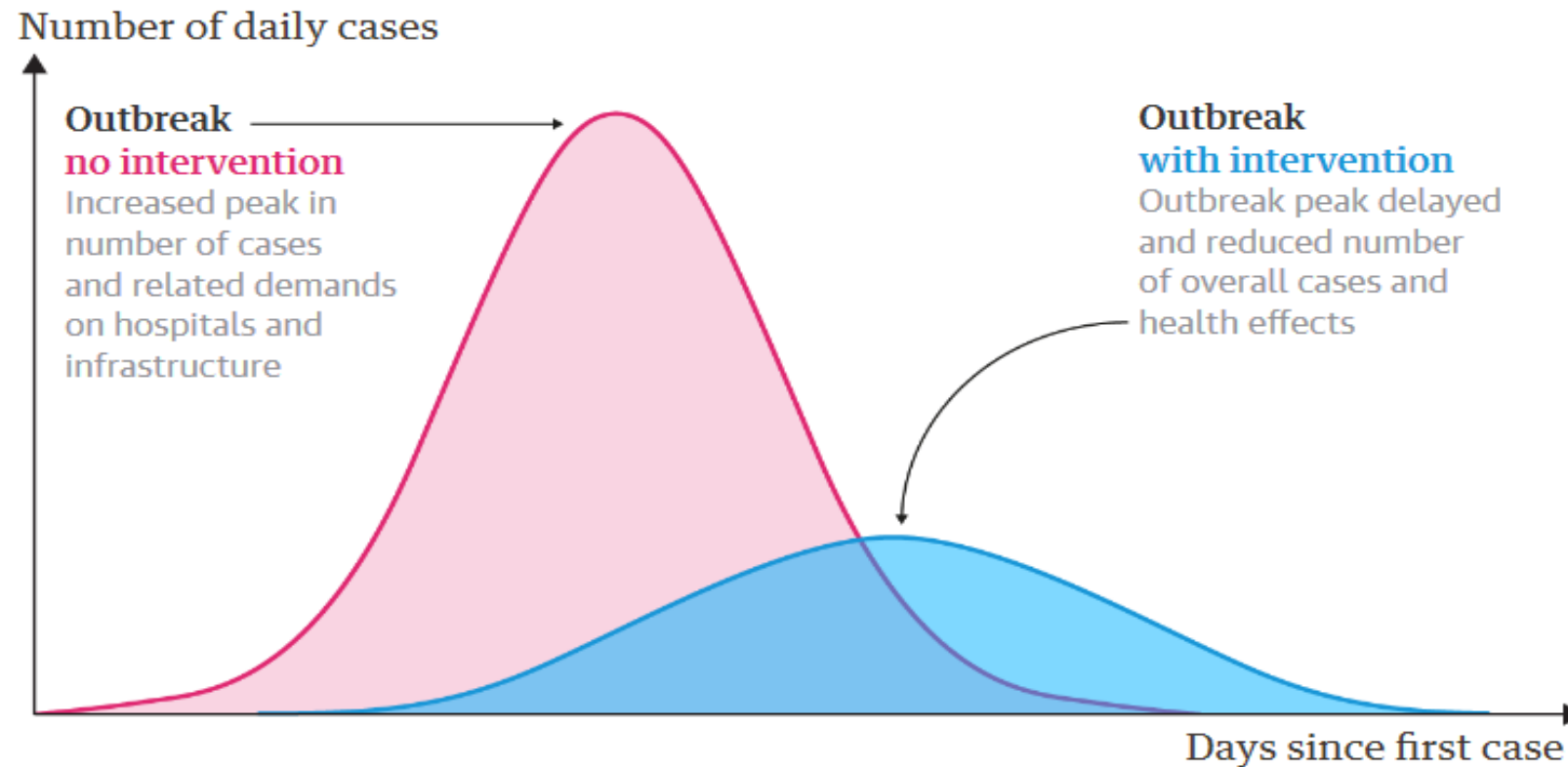
Imperial College,
their infamous
ICCRT Report 9 with its
fictitious numbers and
“exponential” growth...

ONLY HERE'S THEIR
OWN CHART: NORMAL
NOT EXPONENTIAL



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Delaying the development of outbreaks and lowering infection rates ensures healthcare systems do not exceed capacity



Save the NHS?

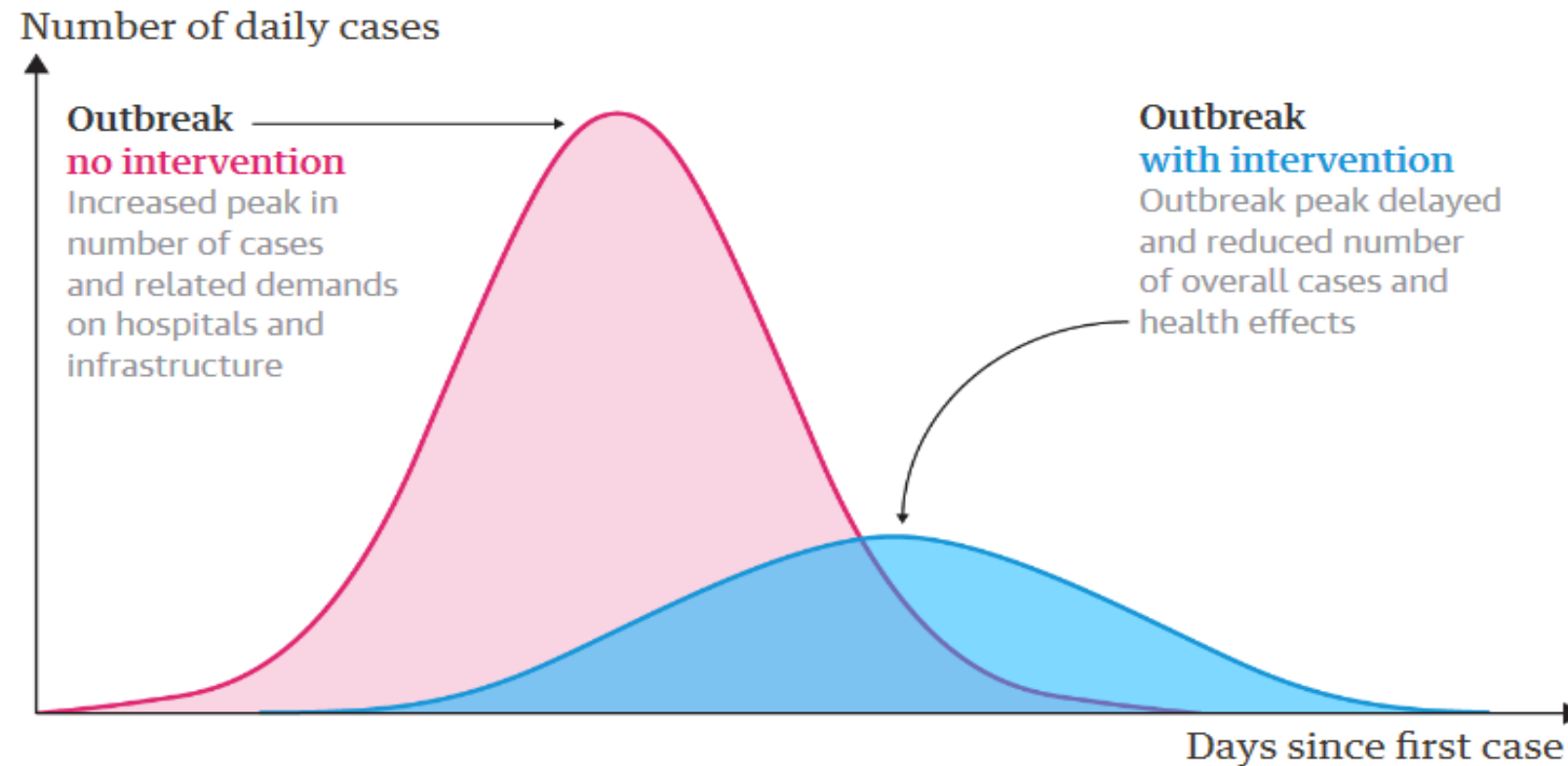
**NORMAL
NOT EXPONENTIAL**

Guardian graphic. Source: Centers for Disease Control



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Delaying the development of outbreaks and lowering infection rates ensures healthcare systems do not exceed capacity



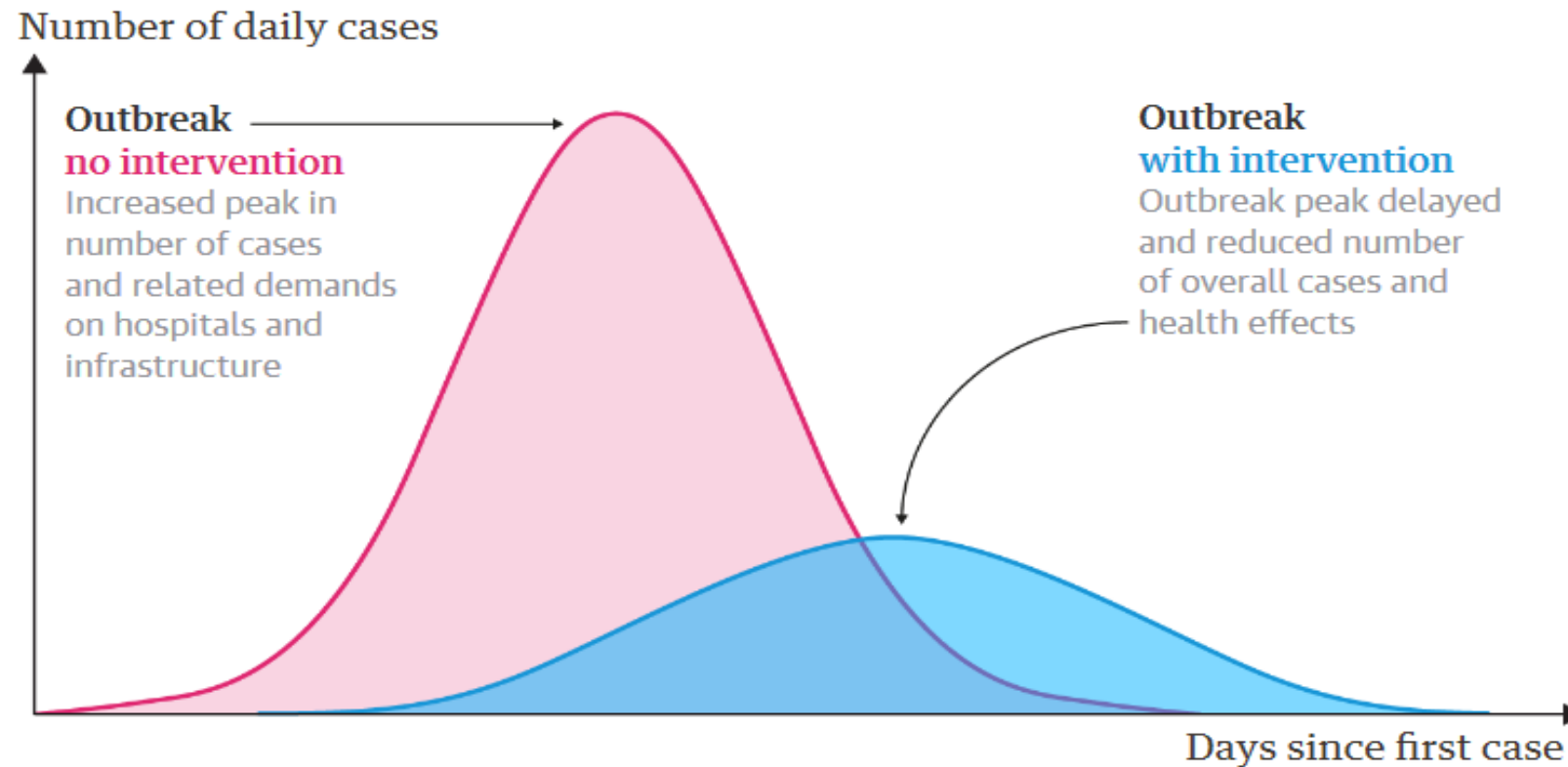
Jesus, they lied to you and didn't even bother to use diagrams consistent with their lies, and you still didn't notice?

Guardian graphic. Source: Centers for Disease Control



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Delaying the development of outbreaks and lowering infection rates ensures healthcare systems do not exceed capacity



Who is the real villain here?

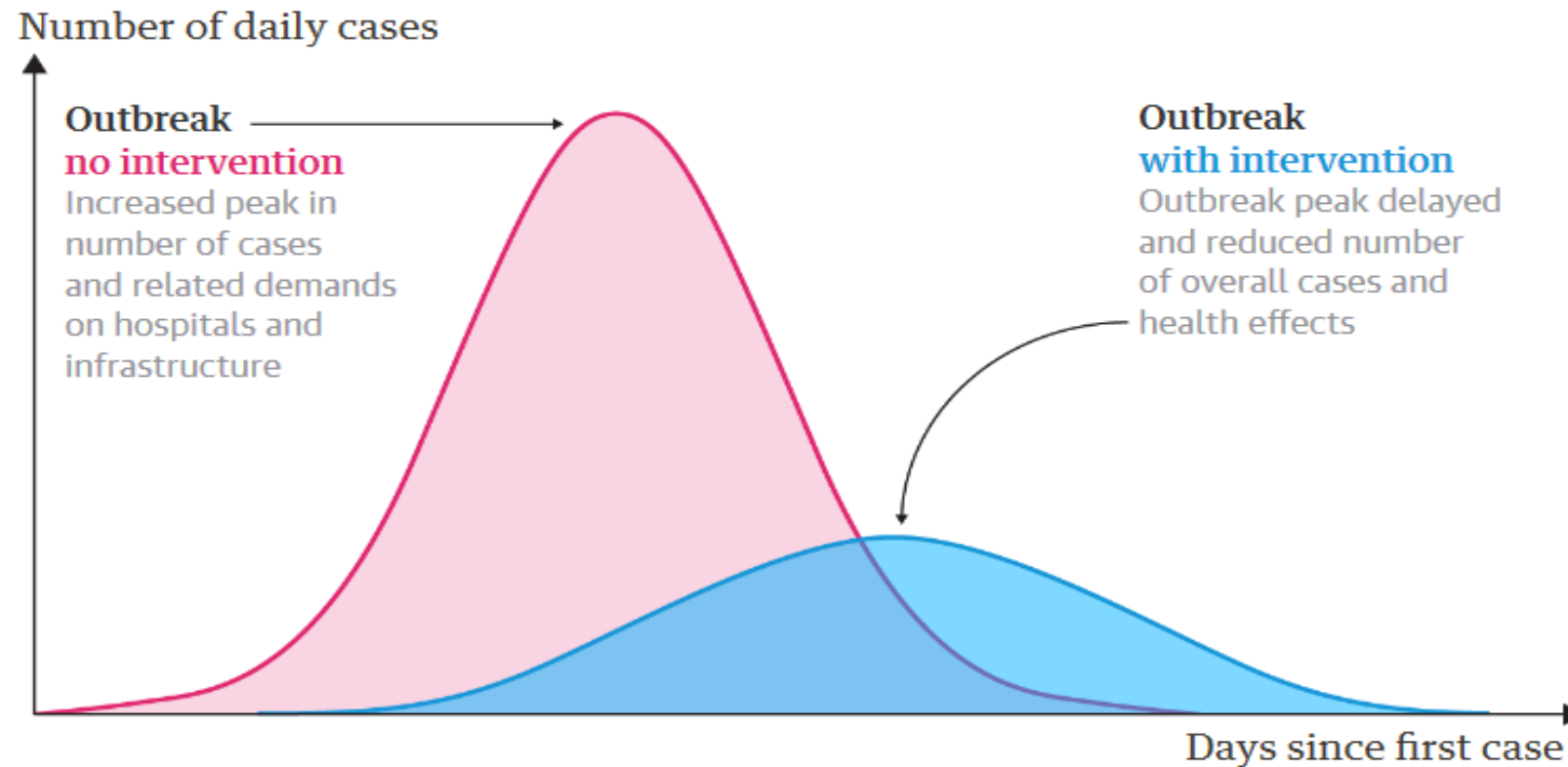
They gave you
EVERY OPPORTUNITY
to catch them
and you
NEVER BOTHERED TO
LOOK OR LOOKED BUT
DID NOT SEE

Guardian graphic. Source: Centers for Disease Control



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Delaying the development of outbreaks and lowering infection rates ensures healthcare systems do not exceed capacity



NORMAL
NOT
EXPONENTIAL

NEVER 530,000 DEATHS
... and here's the thing, a quirk about NORMAL distributions...

Guardian graphic. Source: Centers for Disease Control



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0.35%	79.88	136%	-1.31%	99.04%	4.00	0.16%	41.01	166%	-6.47%	96.24%	2.618	1.003	0.9972	11-Mar
0.47%	107.24	134%	-1.30%	99.04%	4.10	0.26%	65.51	160%	-5.80%	96.49%	2.625	1.003	0.9974	12-Mar
0.62%	142.59	133%	-1.29%	99.04%	4.21	0.40%	101.22	155%	-5.23%	96.73%	2.631	1.002	0.9977	13-Mar
0.82%	187.77	132%	-1.28%	99.04%	4.32	0.60%	151.61	150%	-4.72%	96.94%	2.636	1.002	0.9979	14-Mar
1.06%	244.90	130%	-1.26%	99.04%	4.43	0.88%	220.58	145%	-4.29%	97.14%	2.642	1.002	0.9980	15-Mar
1.38%	316.35	129%	-1.25%	99.04%	4.54	1.24%	312.32	142%	-3.90%	97.32%	2.646	1.002	0.9982	16-Mar
1.76%	404.72	128%	-1.24%	99.04%	4.64	1.71%	431.10	138%	-3.56%	97.48%	2.651	1.002	0.9983	17-Mar
2.23%	512.81	127%	-1.23%	99.04%	4.75	2.31%	580.99	135%	-3.26%	97.64%	2.655	1.002	0.9985	18-Mar
2.80%	643.53	125%	-1.22%	99.04%	4.86	3.04%	765.59	132%	-2.99%	97.78%	2.659	1.001	0.9986	19-Mar
3.48%	799.83	124%	-1.20%	99.04%	4.97	3.92%	987.74	129%	-2.76%	97.91%	2.662	1.001	0.9987	20-Mar
4.28%	984.56	123%	-1.19%	99.04%	5.08	4.96%	1,249.23	126%	-2.54%	98.03%	2.665	1.001	0.9988	21-Mar
5.22%	1,200.32	122%	-1.18%	99.04%	5.18	6.15%	1,550.56	124%	-2.35%	98.14%	2.668	1.001	0.9989	22-Mar
6.30%	1,449.32	121%	-1.17%	99.04%	5.29	7.50%	1,890.78	122%	-2.18%	98.24%	2.671	1.001	0.9990	23-Mar
7.54%	1,733.19	120%	-1.16%	99.04%	5.40	9.00%	2,267.38	120%	-2.02%	98.34%	2.674	1.001	0.9990	24-Mar
8.93%	2,052.78	118%	-1.15%	99.04%	5.51	10.62%	2,676.32	118%	-1.88%	98.43%	2.676	1.001	0.9991	25-Mar
10.47%	2,407.97	117%	-1.14%	99.04%	5.62	12.35%	3,112.06	116%	-1.75%	98.51%	2.678	1.001	0.9992	26-Mar
12.16%	2,797.52	116%	-1.13%	99.04%	5.72	14.16%	3,567.80	115%	-1.64%	98.59%	2.680	1.001	0.9992	27-Mar
14.00%	3,218.92	115%	-1.11%	99.04%	5.83	16.01%	4,035.66	113%	-1.53%	98.66%	2.682	1.001	0.9993	28-Mar
15.95%	3,668.26	114%	-1.10%	99.04%	5.94	17.89%	4,507.04	112%	-1.43%	98.73%	2.684	1.001	0.9993	29-Mar
18.00%	4,140.22	113%	-1.09%	99.04%	6.05	19.73%	4,972.93	110%	-1.34%	98.80%	2.686	1.001	0.9994	30-Mar
20.12%	4,628.07	112%	-1.08%	99.04%	6.16	21.52%	5,424.26	109%	-1.26%	98.86%	2.687	1.001	0.9994	31-Mar
22.28%	5,123.78	111%	-1.07%	99.04%	6.26	23.22%	5,852.23	108%	-1.19%	98.91%	2.689	1.001	0.9994	01-Apr
24.43%	5,618.16	110%	-1.06%	99.04%	6.37	24.80%	6,248.68	107%	-1.12%	98.97%	2.690	1.001	0.9995	02-Apr
26.53%	6,101.15	109%	-1.05%	99.04%	6.48	26.22%	6,606.29	106%	-1.05%	99.02%	2.692	1.000	0.9995	03-Apr
28.53%	6,562.10	108%	-1.04%	99.04%	6.59	27.46%	6,918.85	105%	-0.99%	99.06%	2.693	1.000	0.9995	04-Apr
30.39%	6,990.16	107%	-1.03%	99.04%	6.70	28.50%	7,181.43	104%	-0.94%	99.11%	2.694	1.000	0.9996	05-Apr
32.06%	7,374.71	106%	-1.02%	99.04%	6.80	29.33%	7,390.43	103%	-0.88%	99.15%	2.695	1.000	0.9996	06-Apr
33.50%	7,705.78	104%	-1.01%	99.04%	6.91	29.94%	7,543.64	102%	-0.84%	99.19%	2.696	1.000	0.9996	07-Apr
34.67%	7,974.47	103%	-1.00%	99.04%	7.02	30.32%	7,640.23	101%	-0.79%	99.22%	2.697	1.000	0.9996	08-Apr
35.54%	8,173.36	102%	-0.99%	99.04%	7.13	30.48%	7,680.67	101%	-0.75%	99.26%	2.698	1.000	0.9997	09-Apr
36.07%	8,296.84	102%	-0.98%	99.04%	7.24	30.42%	7,666.61	100%	-0.71%	99.29%	2.699	1.000	0.9997	10-Apr
36.27%	8,341.40	100.5%	-0.97%	99.04%	7.34	30.16%	7,600.72	99%	-0.68%	99.32%	2.700	1.000	0.9997	11-Apr
36.11%	8,305.74	99.6%	-0.96%	99.04%	7.45	29.71%	7,486.57	98%	-0.64%	99.35%	2.701	1.000	0.9997	12-Apr
35.61%	8,190.89	98.6%	-0.96%	99.04%	7.56	29.08%	7,328.42	98%	-0.61%	99.38%	2.701	1.000	0.9997	13-Apr
34.78%	8,000.14	98%	-0.95%	99.04%	7.67	28.30%	7,131.04	97%	-0.58%	99.41%	2.702	1.000	0.9997	14-Apr
33.65%	7,738.87	97%	-0.94%	99.04%	7.78	27.38%	6,899.55	97%	-0.55%	99.43%	2.703	1.000	0.9997	15-Apr
32.24%	7,414.31	96%	-0.93%	99.04%	7.88	26.35%	6,639.24	96%	-0.53%	99.46%	2.704	1.000	0.9998	16-Apr
30.59%	7,035.23	95%	-0.92%	99.04%	7.99	25.22%	6,355.43	96%	-0.50%	99.48%	2.704	1.000	0.9998	17-Apr
28.75%	6,611.48	94%	-0.91%	99.04%	8.10	24.02%	6,053.33	95%	-0.48%	99.50%	2.705	1.000	0.9998	18-Apr
26.76%	6,153.65	93%	-0.90%	99.04%	8.21	22.77%	5,737.95	95%	-0.46%	99.52%	2.705	1.000	0.9998	19-Apr
24.66%	5,672.58	92%	-0.89%	99.04%	8.32	21.48%	5,413.98	94%	-0.44%	99.54%	2.706	1.000	0.9998	20-Apr
22.52%	5,178.95	91%	-0.88%	99.04%	8.42	20.18%	5,085.77	94%	-0.42%	99.56%	2.706	1.000	0.9998	21-Apr
20.36%	4,682.92	90%	-0.88%	99.04%	8.53	18.88%	4,757.22	94%	-0.40%	99.58%	2.707	1.000	0.9998	22-Apr

It was obvious that the growth in new cases declines almost linearly... but it turns out that it's not a coincidence. It's not LINEAR but guess what EXPONENTIAL DECLINE How about that?



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0.35%	79.88	136%	-1.31%	99.04%	4.00	0.16%	41.01	166%	-6.47%	96.24%	2.618	1.003	0.9972	11-Mar
0.47%	107.24	134%	-1.30%	99.04%	4.10	0.26%	65.51	160%	-5.80%	96.49%	2.625	1.003	0.9974	12-Mar
0.62%	142.59	133%	-1.29%	99.04%	4.21	0.40%	101.22	155%	-5.23%	96.73%	2.631	1.002	0.9977	13-Mar
0.82%	187.77	132%	-1.28%	99.04%	4.32	0.60%	151.61	150%	-4.72%	96.94%	2.636	1.002	0.9979	14-Mar
1.06%	244.90	130%	-1.26%	99.04%	4.43	0.88%	220.58	145%	-4.29%	97.14%	2.642	1.002	0.9980	15-Mar
1.38%	316.35	129%	-1.25%	99.04%	4.54	1.24%	312.32	142%	-3.90%	97.32%	2.646	1.002	0.9982	16-Mar
1.76%	404.72	128%	-1.24%	99.04%	4.64	1.71%	431.10	138%	-3.56%	97.48%	2.651	1.002	0.9983	17-Mar
2.23%	512.81	127%	-1.23%	99.04%	4.75	2.31%	580.99	135%	-3.26%	97.64%	2.655	1.002	0.9985	18-Mar
2.80%	643.53	125%	-1.22%	99.04%	4.86	3.04%	765.59	132%	-2.99%	97.78%	2.659	1.001	0.9986	19-Mar
3.48%	799.83	124%	-1.20%	99.04%	4.97	3.92%	987.74	129%	-2.76%	97.91%	2.662	1.001	0.9987	20-Mar
4.28%	984.56	123%	-1.19%	99.04%	5.08	4.96%	1,249.23	126%	-2.54%	98.03%	2.665	1.001	0.9988	21-Mar
5.22%	1,200.32	122%	-1.18%	99.04%	5.18	6.15%	1,550.56	124%	-2.35%	98.14%	2.668	1.001	0.9989	22-Mar
6.30%	1,449.32	121%	-1.17%	99.04%	5.29	7.50%	1,890.78	122%	-2.18%	98.24%	2.671	1.001	0.9990	23-Mar
7.54%	1,733.19	120%	-1.16%	99.04%	5.40	9.00%	2,267.38	120%	-2.02%	98.34%	2.674	1.001	0.9990	24-Mar
8.93%	2,052.78	118%	-1.15%	99.04%	5.51	10.62%	2,676.32	118%	-1.88%	98.43%	2.676	1.001	0.9991	25-Mar
10.47%	2,407.97	117%	-1.14%	99.04%	5.62	12.35%	3,112.06	116%	-1.75%	98.51%	2.678	1.001	0.9992	26-Mar
12.16%	2,797.52	116%	-1.13%	99.04%	5.72	14.16%	3,567.80	115%	-1.64%	98.59%	2.680	1.001	0.9992	27-Mar
14.00%	3,218.92	115%	-1.11%	99.04%	5.83	16.01%	4,035.66	113%	-1.53%	98.66%	2.682	1.001	0.9993	28-Mar
15.95%	3,668.26	114%	-1.10%	99.04%	5.94	17.89%	4,507.04	112%	-1.43%	98.73%	2.684	1.001	0.9993	29-Mar
18.00%	4,140.22	113%	-1.09%	99.04%	6.05	19.73%	4,972.93	110%	-1.34%	98.80%	2.686	1.001	0.9994	30-Mar
20.12%	4,628.07	112%	-1.08%	99.04%	6.16	21.52%	5,424.26	109%	-1.26%	98.86%	2.687	1.001	0.9994	31-Mar
22.28%	5,123.78	111%	-1.07%	99.04%	6.26	23.22%	5,852.23	108%	-1.19%	98.91%	2.689	1.001	0.9994	01-Apr
24.43%	5,618.16	110%	-1.06%	99.04%	6.37	24.80%	6,248.68	107%	-1.12%	98.97%	2.690	1.001	0.9995	02-Apr
26.53%	6,101.15	109%	-1.05%	99.04%	6.48	26.22%	6,606.29	106%	-1.05%	99.02%	2.692	1.000	0.9995	03-Apr
28.53%	6,562.10	108%	-1.04%	99.04%	6.59	27.46%	6,918.85	105%	-0.99%	99.06%	2.693	1.000	0.9995	04-Apr
30.39%	6,990.16	107%	-1.03%	99.04%	6.70	28.50%	7,181.43	104%	-0.94%	99.11%	2.694	1.000	0.9996	05-Apr
32.06%	7,374.71	106%	-1.02%	99.04%	6.80	29.33%	7,390.43	103%	-0.88%	99.15%	2.695	1.000	0.9996	06-Apr
33.50%	7,705.78	104%	-1.01%	99.04%	6.91	29.94%	7,543.64	102%	-0.84%	99.19%	2.696	1.000	0.9996	07-Apr
34.67%	7,974.47	103%	-1.00%	99.04%	7.02	30.32%	7,640.23	101%	-0.79%	99.22%	2.697	1.000	0.9996	08-Apr
35.54%	8,173.36	102%	-0.99%	99.04%	7.13	30.48%	7,680.67	101%	-0.75%	99.26%	2.698	1.000	0.9997	09-Apr
36.07%	8,296.84	102%	-0.98%	99.04%	7.24	30.42%	7,666.61	100%	-0.71%	99.29%	2.699	1.000	0.9997	10-Apr
36.27%	8,341.40	100.5%	-0.97%	99.04%	7.34	30.16%	7,600.72	99%	-0.68%	99.32%	2.700	1.000	0.9997	11-Apr
36.11%	8,305.74	99.6%	-0.96%	99.04%	7.45	29.71%	7,486.57	98%	-0.64%	99.35%	2.701	1.000	0.9997	12-Apr
35.61%	8,190.89	98.6%	-0.96%	99.04%	7.56	29.08%	7,328.42	98%	-0.61%	99.38%	2.701	1.000	0.9997	13-Apr
34.78%	8,000.14	98%	-0.95%	99.04%	7.67	28.30%	7,131.04	97%	-0.58%	99.41%	2.702	1.000	0.9997	14-Apr
33.65%	7,738.87	97%	-0.94%	99.04%	7.78	27.38%	6,899.55	97%	-0.55%	99.43%	2.703	1.000	0.9997	15-Apr
32.24%	7,414.31	96%	-0.93%	99.04%	7.88	26.35%	6,639.24	96%	-0.53%	99.46%	2.704	1.000	0.9998	16-Apr
30.59%	7,035.23	95%	-0.92%	99.04%	7.99	25.22%	6,355.43	96%	-0.50%	99.48%	2.704	1.000	0.9998	17-Apr
28.75%	6,611.48	94%	-0.91%	99.04%	8.10	24.02%	6,053.33	95%	-0.48%	99.50%	2.705	1.000	0.9998	18-Apr
26.76%	6,153.65	93%	-0.90%	99.04%	8.21	22.77%	5,737.95	95%	-0.46%	99.52%	2.705	1.000	0.9998	19-Apr
24.66%	5,672.58	92%	-0.89%	99.04%	8.32	21.48%	5,413.98	94%	-0.44%	99.54%	2.706	1.000	0.9998	20-Apr
22.52%	5,178.95	91%	-0.88%	99.04%	8.42	20.18%	5,085.77	94%	-0.42%	99.56%	2.706	1.000	0.9998	21-Apr
20.36%	4,682.92	90%	-0.88%	99.04%	8.53	18.88%	4,757.22	94%	-0.40%	99.58%	2.707	1.000	0.9998	22-Apr

Every day's new cases increases by a slightly smaller amount... typically around 99% of the previous day's growth rate, so YEAH to the NAÏVE STUPID OR MENDACIOUS "sure, let's call that exponential"



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0.35%	79.88	136%	-1.31%	99.04%	4.00	0.16%	41.01	166%	-6.47%	96.24%	2.618	1.003	0.9972	11-Mar
0.47%	107.24	134%	-1.30%	99.04%	4.10	0.26%	65.51	160%	-5.80%	96.49%	2.625	1.003	0.9974	12-Mar
0.62%	142.59	133%	-1.29%	99.04%	4.21	0.40%	101.22	155%	-5.23%	96.73%	2.631	1.002	0.9977	13-Mar
0.82%	187.77	132%	-1.28%	99.04%	4.32	0.60%	151.61	150%	-4.72%	96.94%	2.636	1.002	0.9979	14-Mar
1.06%	244.90	130%	-1.26%	99.04%	4.43	0.88%	220.58	145%	-4.29%	97.14%	2.642	1.002	0.9980	15-Mar
1.38%	316.35	129%	-1.25%	99.04%	4.54	1.24%	312.32	142%	-3.90%	97.32%	2.646	1.002	0.9982	16-Mar
1.76%	404.72	128%	-1.24%	99.04%	4.64	1.71%	431.10	138%	-3.56%	97.48%	2.651	1.002	0.9983	17-Mar
2.23%	512.81	127%	-1.23%	99.04%	4.75	2.31%	580.99	135%	-3.26%	97.64%	2.655	1.002	0.9985	18-Mar
2.80%	643.53	125%	-1.22%	99.04%	4.86	3.04%	765.59	132%	-2.99%	97.78%	2.659	1.001	0.9986	19-Mar
3.48%	799.83	124%	-1.20%	99.04%	4.97	3.92%	987.74	129%	-2.76%	97.91%	2.662	1.001	0.9987	20-Mar
4.28%	984.56	123%	-1.19%	99.04%	5.08	4.96%	1,249.23	126%	-2.54%	98.03%	2.665	1.001	0.9988	21-Mar
5.22%	1,200.32	122%	-1.18%	99.04%	5.18	6.15%	1,550.56	124%	-2.35%	98.14%	2.668	1.001	0.9989	22-Mar
6.30%	1,449.32	121%	-1.17%	99.04%	5.29	7.50%	1,890.78	122%	-2.18%	98.24%	2.671	1.001	0.9990	23-Mar
7.54%	1,733.19	120%	-1.16%	99.04%	5.40	9.00%	2,267.38	120%	-2.02%	98.34%	2.674	1.001	0.9990	24-Mar
8.93%	2,052.78	118%	-1.15%	99.04%	5.51	10.62%	2,676.32	118%	-1.88%	98.43%	2.676	1.001	0.9991	25-Mar
10.47%	2,407.97	117%	-1.14%	99.04%	5.62	12.35%	3,112.06	116%	-1.75%	98.51%	2.678	1.001	0.9992	26-Mar
12.16%	2,797.52	116%	-1.13%	99.04%	5.72	14.16%	3,567.80	115%	-1.64%	98.59%	2.680	1.001	0.9992	27-Mar
14.00%	3,218.92	115%	-1.11%	99.04%	5.83	16.01%	4,035.66	113%	-1.53%	98.66%	2.682	1.001	0.9993	28-Mar
15.95%	3,668.26	114%	-1.10%	99.04%	5.94	17.89%	4,507.04	112%	-1.43%	98.73%	2.684	1.001	0.9993	29-Mar
18.00%	4,140.22	113%	-1.09%	99.04%	6.05	19.73%	4,972.93	110%	-1.34%	98.80%	2.686	1.001	0.9994	30-Mar
20.12%	4,628.07	112%	-1.08%	99.04%	6.16	21.52%	5,424.26	109%	-1.26%	98.86%	2.687	1.001	0.9994	31-Mar
22.28%	5,123.78	111%	-1.07%	99.04%	6.26	23.22%	5,852.23	108%	-1.19%	98.91%	2.689	1.001	0.9994	01-Apr
24.43%	5,618.16	110%	-1.06%	99.04%	6.37	24.80%	6,248.68	107%	-1.12%	98.97%	2.690	1.001	0.9995	02-Apr
26.53%	6,101.15	109%	-1.05%	99.04%	6.48	26.22%	6,606.29	106%	-1.05%	99.02%	2.692	1.000	0.9995	03-Apr
28.53%	6,562.10	108%	-1.04%	99.04%	6.59	27.46%	6,918.85	105%	-0.99%	99.06%	2.693	1.000	0.9995	04-Apr
30.39%	6,990.16	107%	-1.03%	99.04%	6.70	28.50%	7,181.43	104%	-0.94%	99.11%	2.694	1.000	0.9996	05-Apr
32.06%	7,374.71	106%	-1.02%	99.04%	6.80	29.33%	7,390.43	103%	-0.88%	99.15%	2.695	1.000	0.9996	06-Apr
33.50%	7,705.78	104%	-1.01%	99.04%	6.91	29.94%	7,543.64	102%	-0.84%	99.19%	2.696	1.000	0.9996	07-Apr
34.67%	7,974.47	103%	-1.00%	99.04%	7.02	30.32%	7,640.23	101%	-0.79%	99.22%	2.697	1.000	0.9996	08-Apr
35.54%	8,173.36	102%	-0.99%	99.04%	7.13	30.48%	7,680.67	101%	-0.75%	99.26%	2.698	1.000	0.9997	09-Apr
36.07%	8,296.84	102%	-0.98%	99.04%	7.24	30.42%	7,666.61	100%	-0.71%	99.29%	2.699	1.000	0.9997	10-Apr
36.27%	8,341.40	100.5%	-0.97%	99.04%	7.34	30.16%	7,600.72	99%	-0.68%	99.32%	2.700	1.000	0.9997	11-Apr
36.11%	8,305.74	99.6%	-0.96%	99.04%	7.45	29.71%	7,486.57	98%	-0.64%	99.35%	2.701	1.000	0.9997	12-Apr
35.61%	8,190.89	98.6%	-0.96%	99.04%	7.56	29.08%	7,328.42	98%	-0.61%	99.38%	2.701	1.000	0.9997	13-Apr
34.78%	8,000.14	98%	-0.95%	99.04%	7.67	28.30%	7,131.04	97%	-0.58%	99.41%	2.702	1.000	0.9997	14-Apr
33.65%	7,738.87	97%	-0.94%	99.04%	7.78	27.38%	6,899.55	97%	-0.55%	99.43%	2.703	1.000	0.9997	15-Apr
32.24%	7,414.31	96%	-0.93%	99.04%	7.88	26.35%	6,639.24	96%	-0.53%	99.46%	2.704	1.000	0.9998	16-Apr
30.59%	7,035.23	95%	-0.92%	99.04%	7.99	25.22%	6,355.43	96%	-0.50%	99.48%	2.704	1.000	0.9998	17-Apr
28.75%	6,611.48	94%	-0.91%	99.04%	8.10	24.02%	6,053.33	95%	-0.48%	99.50%	2.705	1.000	0.9998	18-Apr
26.76%	6,153.65	93%	-0.90%	99.04%	8.21	22.77%	5,737.95	95%	-0.46%	99.52%	2.705	1.000	0.9998	19-Apr
24.66%	5,672.58	92%	-0.89%	99.04%	8.32	21.48%	5,413.98	94%	-0.44%	99.54%	2.706	1.000	0.9998	20-Apr
22.52%	5,178.95	91%	-0.88%	99.04%	8.42	20.18%	5,085.77	94%	-0.42%	99.56%	2.706	1.000	0.9998	21-Apr
20.36%	4,682.92	90%	-0.88%	99.04%	8.53	18.88%	4,757.22	94%	-0.40%	99.58%	2.707	1.000	0.9998	22-Apr

They just CHOSE not to point out that it was a convenient APPROXIMATION for a FEW DAYS... and the media translated into THE MONTH UNTIL YOU WERE ALL INFECTED OR DEAD



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0.35%	79.88	136%	-1.31%	99.04%	4.00	0.16%	41.01	166%	-6.47%	96.24%	2.618	1.003	0.9972	11-Mar
0.47%	107.24	134%	-1.30%	99.04%	4.10	0.26%	65.51	160%	-5.80%	96.49%	2.625	1.003	0.9974	12-Mar
0.62%	142.59	133%	-1.29%	99.04%	4.21	0.40%	101.22	155%	-5.23%	96.73%	2.631	1.002	0.9977	13-Mar
0.82%	187.77	132%	-1.28%	99.04%	4.32	0.60%	151.61	150%	-4.72%	96.94%	2.636	1.002	0.9979	14-Mar
1.06%	244.90	130%	-1.26%	99.04%	4.43	0.88%	220.58	145%	-4.29%	97.14%	2.642	1.002	0.9980	15-Mar
1.38%	316.35	129%	-1.25%	99.04%	4.54	1.24%	312.32	142%	-3.90%	97.32%	2.646	1.002	0.9982	16-Mar
1.76%	404.72	128%	-1.24%	99.04%	4.64	1.71%	431.10	138%	-3.56%	97.48%	2.651	1.002	0.9983	17-Mar
2.23%	512.81	127%	-1.23%	99.04%	4.75	2.31%	580.99	135%	-3.26%	97.64%	2.655	1.002	0.9985	18-Mar
2.80%	643.53	125%	-1.22%	99.04%	4.86	3.04%	765.59	132%	-2.99%	97.78%	2.659	1.001	0.9986	19-Mar
3.48%	799.83	124%	-1.20%	99.04%	4.97	3.92%	987.74	129%	-2.76%	97.91%	2.662	1.001	0.9987	20-Mar
4.28%	984.56	123%	-1.19%	99.04%	5.08	4.96%	1,249.23	126%	-2.54%	98.03%	2.665	1.001	0.9988	21-Mar
5.22%	1,200.32	122%	-1.18%	99.04%	5.18	6.15%	1,550.56	124%	-2.35%	98.14%	2.668	1.001	0.9989	22-Mar
6.30%	1,449.32	121%	-1.17%	99.04%	5.29	7.50%	1,890.78	122%	-2.18%	98.24%	2.671	1.001	0.9990	23-Mar
7.54%	1,733.19	120%	-1.16%	99.04%	5.40	9.00%	2,267.38	120%	-2.02%	98.34%	2.674	1.001	0.9990	24-Mar
8.93%	2,052.78	118%	-1.15%	99.04%	5.51	10.62%	2,676.32	118%	-1.88%	98.43%	2.676	1.001	0.9991	25-Mar
10.47%	2,407.97	117%	-1.14%	99.04%	5.62	12.35%	3,112.06	116%	-1.75%	98.51%	2.678	1.001	0.9992	26-Mar
12.16%	2,797.52	116%	-1.13%	99.04%	5.72	14.16%	3,567.80	115%	-1.64%	98.59%	2.680	1.001	0.9992	27-Mar
14.00%	3,218.92	115%	-1.11%	99.04%	5.83	16.01%	4,035.66	113%	-1.53%	98.66%	2.682	1.001	0.9993	28-Mar
15.95%	3,668.26	114%	-1.10%	99.04%	5.94	17.89%	4,507.04	112%	-1.43%	98.73%	2.684	1.001	0.9993	29-Mar
18.00%	4,140.22	113%	-1.09%	99.04%	6.05	19.73%	4,972.93	110%	-1.34%	98.80%	2.686	1.001	0.9994	30-Mar
20.12%	4,628.07	112%	-1.08%	99.04%	6.16	21.52%	5,424.26	109%	-1.26%	98.86%	2.687	1.001	0.9994	31-Mar
22.28%	5,123.78	111%	-1.07%	99.04%	6.26	23.22%	5,852.23	108%	-1.19%	98.91%	2.689	1.001	0.9994	01-Apr
24.43%	5,618.16	110%	-1.06%	99.04%	6.37	24.80%	6,248.68	107%	-1.12%	98.97%	2.690	1.001	0.9995	02-Apr
26.53%	6,101.15	109%	-1.05%	99.04%	6.48	26.22%	6,606.29	106%	-1.05%	99.02%	2.692	1.000	0.9995	03-Apr
28.53%	6,562.10	108%	-1.04%	99.04%	6.59	27.46%	6,918.85	105%	-0.99%	99.06%	2.693	1.000	0.9995	04-Apr
30.39%	6,990.16	107%	-1.03%	99.04%	6.70	28.50%	7,181.43	104%	-0.94%	99.11%	2.694	1.000	0.9996	05-Apr
32.06%	7,374.71	106%	-1.02%	99.04%	6.80	29.33%	7,390.43	103%	-0.88%	99.15%	2.695	1.000	0.9996	06-Apr
33.50%	7,705.78	104%	-1.01%	99.04%	6.91	29.94%	7,543.64	102%	-0.84%	99.19%	2.696	1.000	0.9996	07-Apr
34.67%	7,974.47	103%	-1.00%	99.04%	7.02	30.32%	7,640.23	101%	-0.79%	99.22%	2.697	1.000	0.9996	08-Apr
35.54%	8,173.36	102%	-0.99%	99.04%	7.13	30.48%	7,680.67	101%	-0.75%	99.26%	2.698	1.000	0.9997	09-Apr
36.07%	8,296.84	102%	-0.98%	99.04%	7.24	30.42%	7,666.61	100%	-0.71%	99.29%	2.699	1.000	0.9997	10-Apr
36.27%	8,341.40	100.5%	-0.97%	99.04%	7.34	30.16%	7,600.72	99%	-0.68%	99.32%	2.700	1.000	0.9997	11-Apr
36.11%	8,305.74	99.6%	-0.96%	99.04%	7.45	29.71%	7,486.57	98%	-0.64%	99.35%	2.701	1.000	0.9997	12-Apr
35.61%	8,190.89	98.6%	-0.96%	99.04%	7.56	29.08%	7,328.42	98%	-0.61%	99.38%	2.701	1.000	0.9997	13-Apr
34.78%	8,000.14	98%	-0.95%	99.04%	7.67	28.30%	7,131.04	97%	-0.58%	99.41%	2.702	1.000	0.9997	14-Apr
33.65%	7,738.87	97%	-0.94%	99.04%	7.78	27.38%	6,899.55	97%	-0.55%	99.43%	2.703	1.000	0.9997	15-Apr
32.24%	7,414.31	96%	-0.93%	99.04%	7.88	26.35%	6,639.24	96%	-0.53%	99.46%	2.704	1.000	0.9998	16-Apr
30.59%	7,035.23	95%	-0.92%	99.04%	7.99	25.22%	6,355.43	96%	-0.50%	99.48%	2.704	1.000	0.9998	17-Apr
28.75%	6,611.48	94%	-0.91%	99.04%	8.10	24.02%	6,053.33	95%	-0.48%	99.50%	2.705	1.000	0.9998	18-Apr
26.76%	6,153.65	93%	-0.90%	99.04%	8.21	22.77%	5,737.95	95%	-0.46%	99.52%	2.705	1.000	0.9998	19-Apr
24.66%	5,672.58	92%	-0.89%	99.04%	8.32	21.48%	5,413.98	94%	-0.44%	99.54%	2.706	1.000	0.9998	20-Apr
22.52%	5,178.95	91%	-0.88%	99.04%	8.42	20.18%	5,085.77	94%	-0.42%	99.56%	2.706	1.000	0.9998	21-Apr
20.36%	4,682.92	90%	-0.88%	99.04%	8.53	18.88%	4,757.22	94%	-0.40%	99.58%	2.707	1.000	0.9998	22-Apr

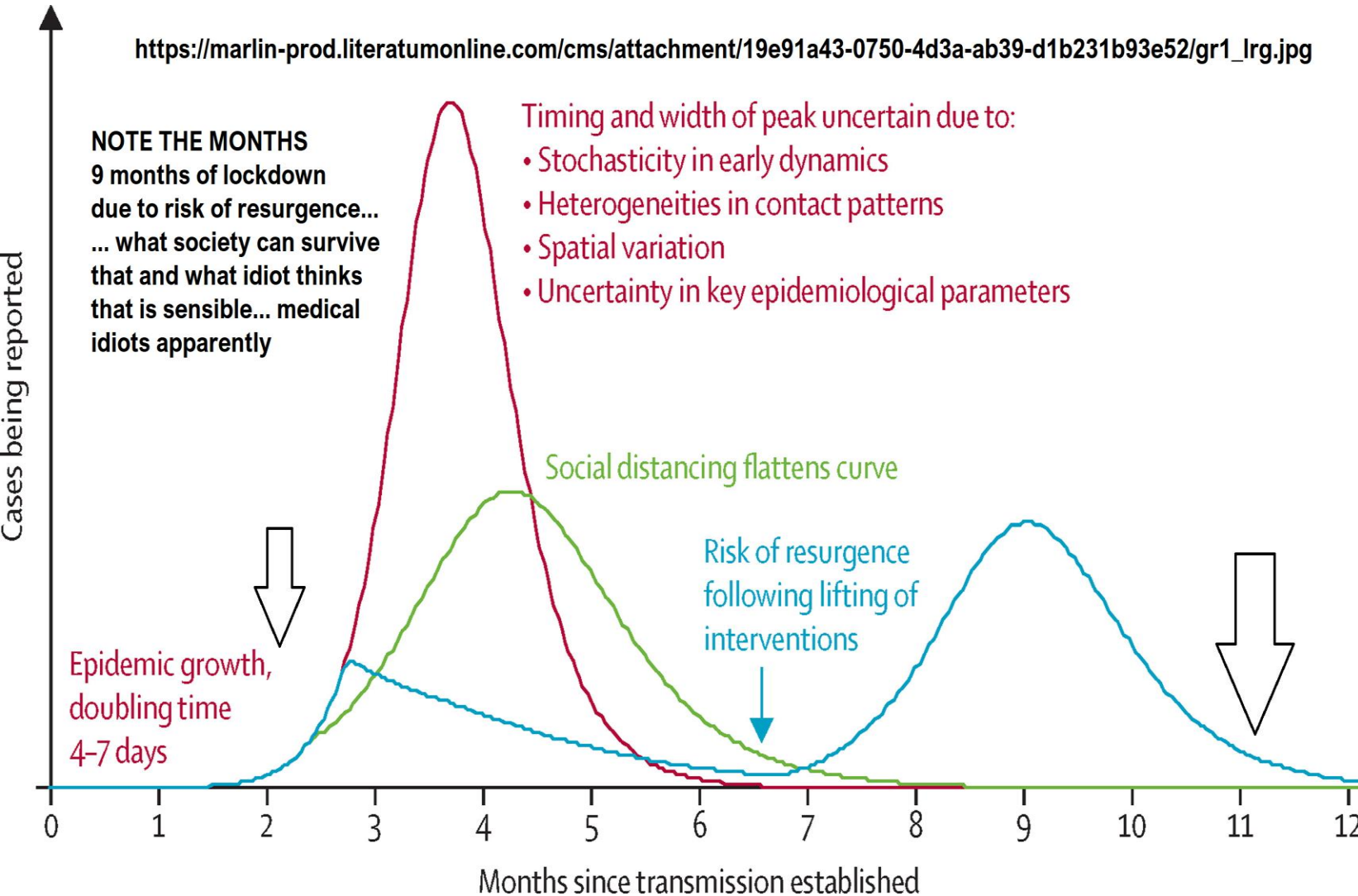
It was an
 APPROXIMATION that
 was NEVER TRULY
 EXPONENTIAL...
 ... just looked like it for a
 few days... just enough
 for them to LIE and keep
 lying even to this day...



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LANCET by the way,
 official doctors'
 research paper...

NORMAL
 NOT EXPONENTIAL





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https://en.wikipedia.org/wiki/Mathematical_modelling_of_infectious_disease

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Reproduction number [\[edit\]](#)

Main article: [Basic reproduction number](#)

The *basic reproduction number* (denoted by R_0) is a measure of how transferable a disease is. It is the average number of people that a single infectious person will infect over the course of their infection. This quantity determines whether the infection will spread exponentially, die out, or remain constant: if $R_0 > 1$, then each person on average infects more than one other person so the disease will spread; if $R_0 < 1$, then each person infects fewer than one person on average so the disease will die out; and if $R_0 = 1$, then each person will infect exactly one other person, so the disease will become *endemic*: it will move throughout the population but not increase or decrease.

The basic reproduction number can be computed as a ratio of known rates over time: if an infectious individual contacts β other people per unit time, if all of those people are assumed to contract the disease, and if the disease has a mean infectious period of $1/\gamma$, then the basic reproduction number is just $R_0 = \beta/\gamma$. Some diseases have multiple possible latency periods, in which case the reproduction number for the disease overall is the sum of the reproduction number for each transition time into the disease. For example, Blower et al.^[7] model two forms of tuberculosis infection: in the fast case, the symptoms show up immediately after exposure; in the slow case, the symptoms develop years after the initial exposure (endogenous reactivation). The overall reproduction number is the sum of the two forms of contraction: $R_0 = R_0^{\text{FAST}} + R_0^{\text{SLOW}}$.

Endemic steady state [\[edit\]](#)

An infectious disease is said to be **endemic** when it can be sustained in a population without the need for external inputs. This means that, on average, each infected person is infecting *exactly* one other person (any more and the number of people infected will **grow exponentially** and there will be an **epidemic**, any less and the disease will die out). In mathematical terms, that is:

Amazingly, through ignorance or laziness, even epidemiologists may not even know they're abusing the term, leaving it to be massively misrepresented to the public....



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https://en.wikipedia.org/wiki/Mathematical_modelling_of_infectious_disease

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Reproduction number [\[edit\]](#)

Main article: Basic reproduction number

The *basic reproduction number* (denoted by R_0) is a measure of how transferable a disease is. It is the average number of people that a single infectious person will infect over the course of their infection. This quantity determines whether the infection will spread exponentially, die out, or remain constant: if $R_0 > 1$, then each person on average infects more than one other person so the disease will spread; if $R_0 < 1$, then each person infects fewer than one person on average so the disease will die out; and if $R_0 = 1$, then each person will infect exactly one other person, so the disease will become *endemic*: it will move throughout the population but not increase or decrease.

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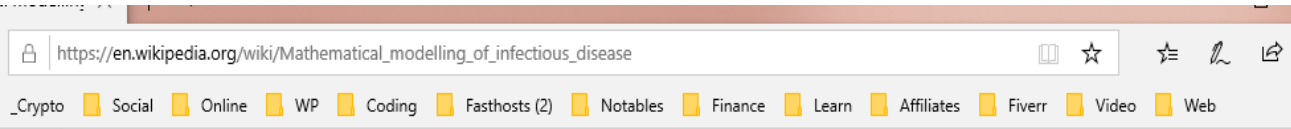
Endemic steady state [\[edit\]](#)

An infectious disease is said to be **endemic** when it can be sustained in a population without the need for external inputs. This means that, on average, each infected person is infecting *exactly* one other person (any more and the number of people infected will **grow exponentially** and there will be an **epidemic**, any less and the disease will die out). In mathematical terms, that is:

Here's wikipedia,
normally pretty good,
but saying that infecting
MORE than one person
means the number of
people will grow
EXPONENTIALLY...



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The SIR model [edit]

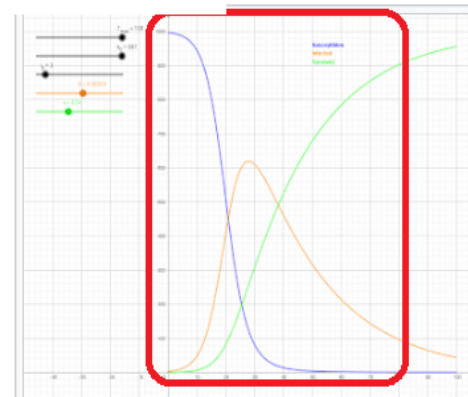
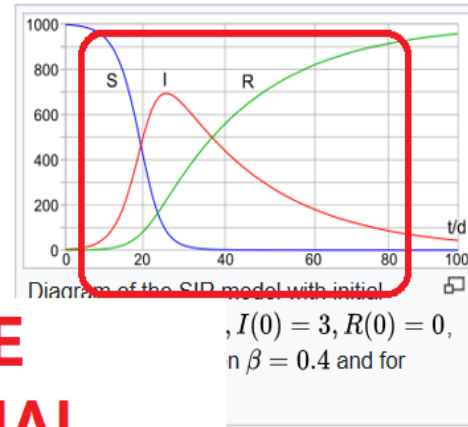
In 1927, W. O. Kermack and A. G. McKendrick created a model in which they considered a fixed population with only three compartments: susceptible, $S(t)$; infected, $I(t)$; and removed, $R(t)$. The compartments used for this model consist of three classes:^[8]

- $S(t)$ is used to represent the number of individuals not yet infected with the disease.
- $I(t)$ denotes the number of individuals infected with the disease to those in the susceptible category.
- $R(t)$ is the compartment used for those individuals who have been infected and then removed from the disease, either due to immunization or due to death. Those in this category are not able to be infected again or to transmit the infection to others.

The flow of this model may be considered as follows:

$$S \rightarrow I \rightarrow R$$

Using a fixed population, $N = S(t) + I(t) + R(t)$ Kermack

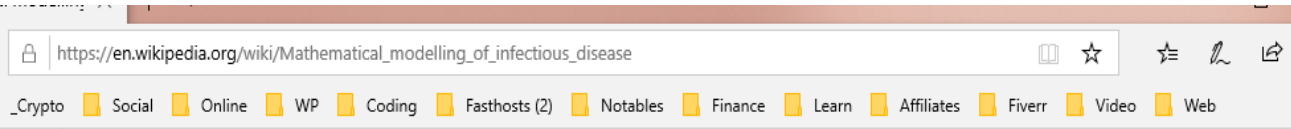


NONE OF THOSE
ARE EXPONENTIAL

... yet literally in the next section on the same page they show the basic SIR model (that I effectively created in my first March 24th presentation, to show a rationale for a NORMAL not EXPONENTIAL distribution)



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The SIR model [edit]

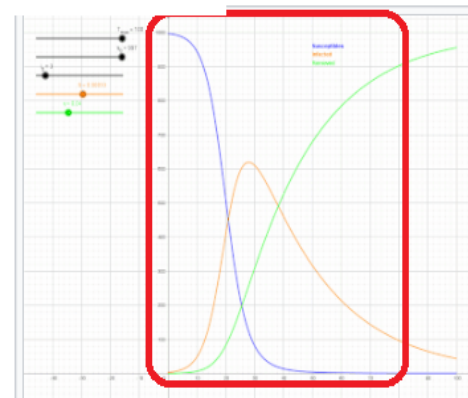
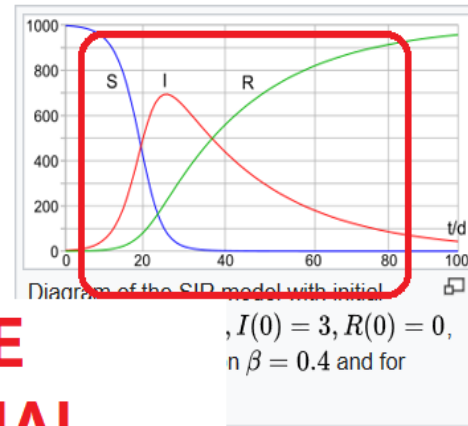
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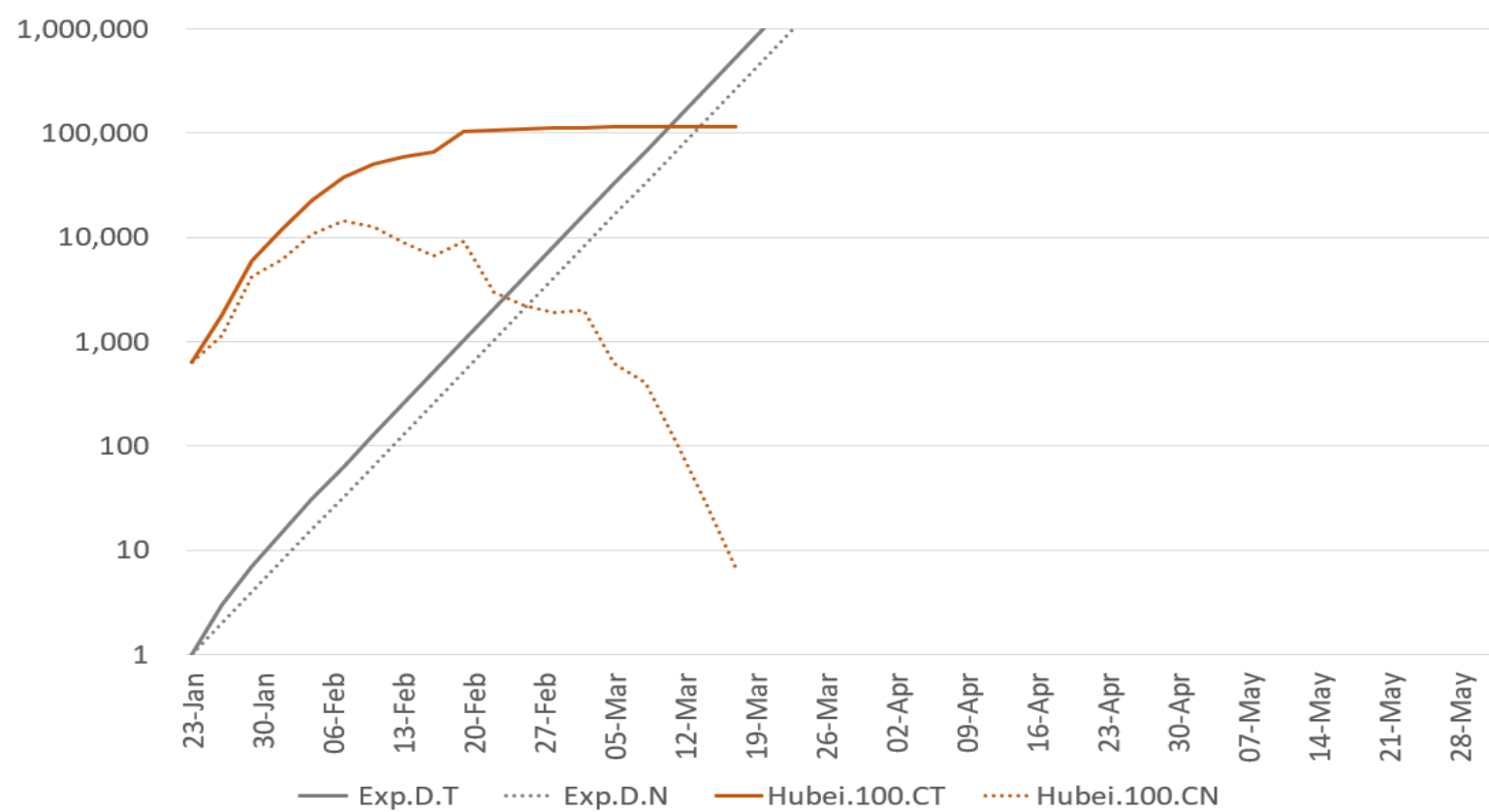
NONE OF THOSE ARE EXPONENTIAL

NONE of those curves are exponential: neither the humped 'normal' like curve, the 'S' curve climbing and curling over to the right, or the reverse descending curve...
NONE OF THEM
 yet wiki calls it 'exponential'



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Data Available to Professor Ferguson before March 3rd, 16th, 23rd 2020
 Populations normalised to 100m, Hubei = x100/59.17 UK = x100/66
 For a given factor Nf ('New case' factor) eg:
 each person infects 1 other person per cycle

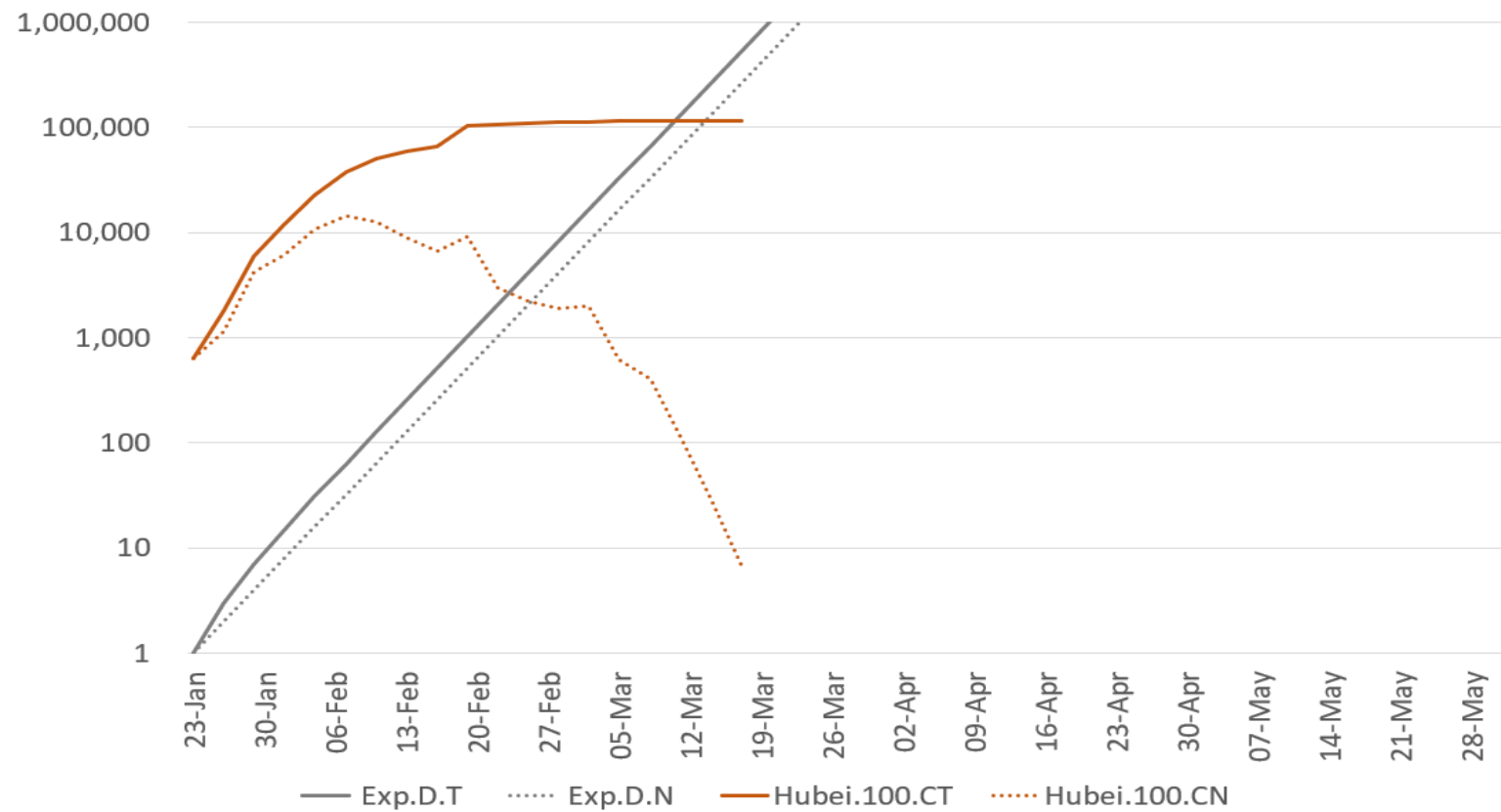


Misguided? Mistaken?
 Human error... the poor
 babies... it must be so
 tough for professors
 in statistical epidemiology
 to tell the difference
 between “exponential” and
 what really happened...



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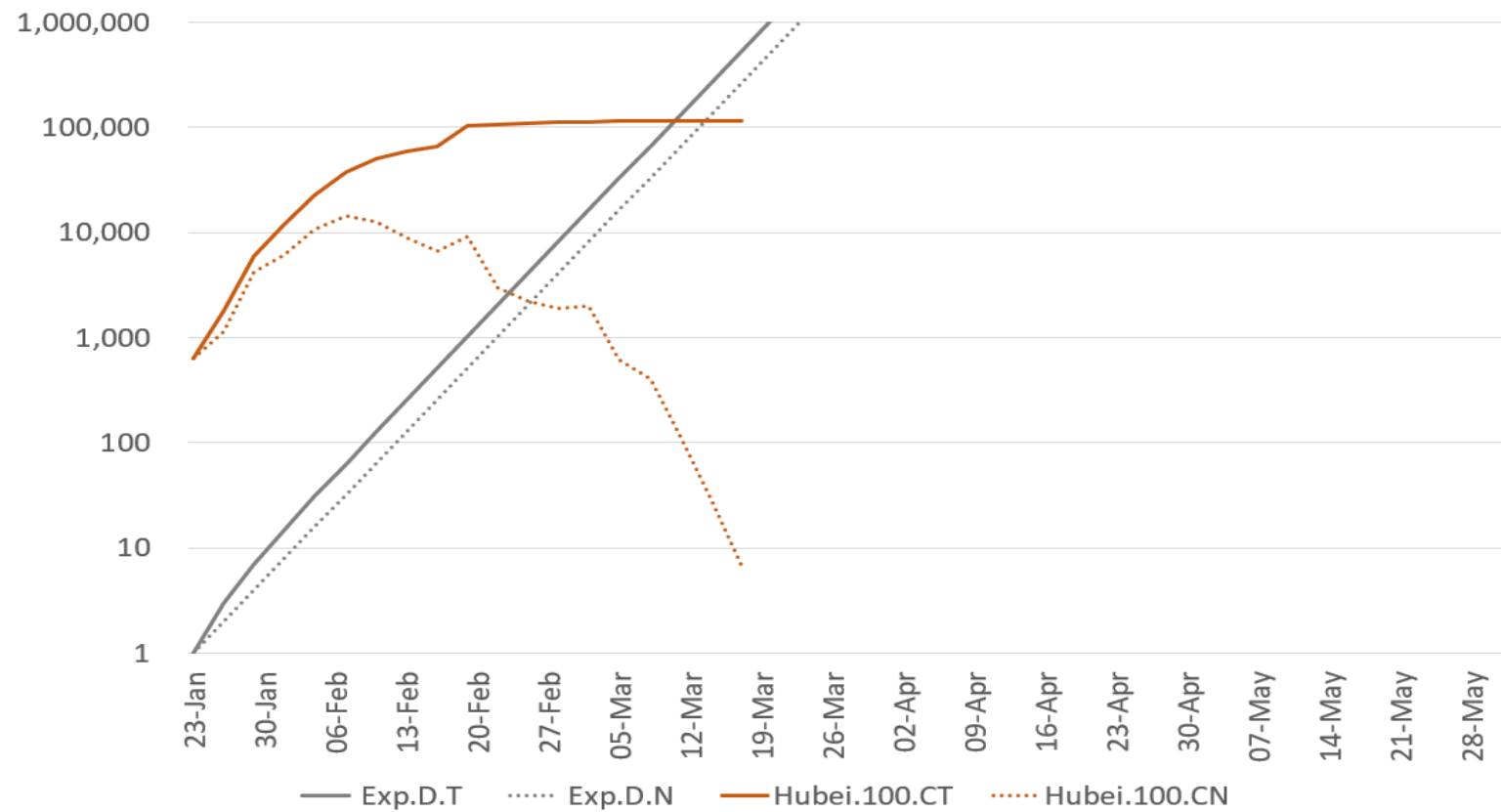


... unless of course they have an agenda and choose to represent the exponential meme even when the evidence contradicts it.



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 Populations normalised to 100m, Hubei = x100/59.17 UK = x100/66
 For a given factor Nf ('New case' factor) eg:
 each person infects 1 other person per cycle



That becomes fraud,
 intent to deceive, and the
 damages done to this
 nation (UK) and USA and
 Canada, and worldwide,
 are massive... so let's see...
 would any reputable
 scientist TRULY wish to
 deceive?



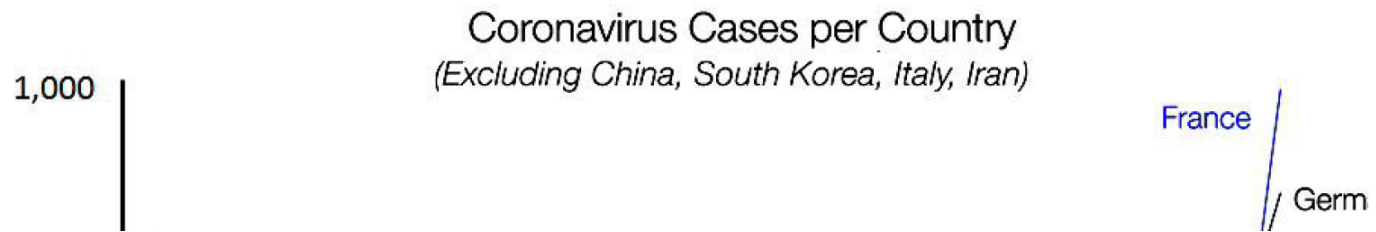
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https://elkodaily.com/lifestyles/professor-haningtons-speaking-of-science-the-power-of-the-positive-exponential/article_dd98e7b5-a09f-56e7-abe9-e04b1af9b93a.html

Professor Hanington's Speaking of Science: The power of the positive exponential

GARY HANINGTON
Mar 14, 2020

SALE! Subscribe for \$1/mo.



Here's Professor
Hannington's Speaking of
Science: The power of the
positive exponential.

I'd get your lawyers to
watch this.



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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)



Now... you'd probably not even notice the disclaimer there... (Excluding China, South Korea, Italy, Iran)...

... and this was published March 14th, basically coincident with the Imperial College March 16th report



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So this professor was even
ANTICIPATING the
document that SOLD the
crisis to the UK and US
government...
... and he's what, US?
And who do we know in
the US that's SELLING this
exponential meme even
today?



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But hey, no matter. That's something that Hannington can answer when he's interviewed. I haven't even read the article, just seen this chart, and it triggered alarms, so we're experiencing this together...



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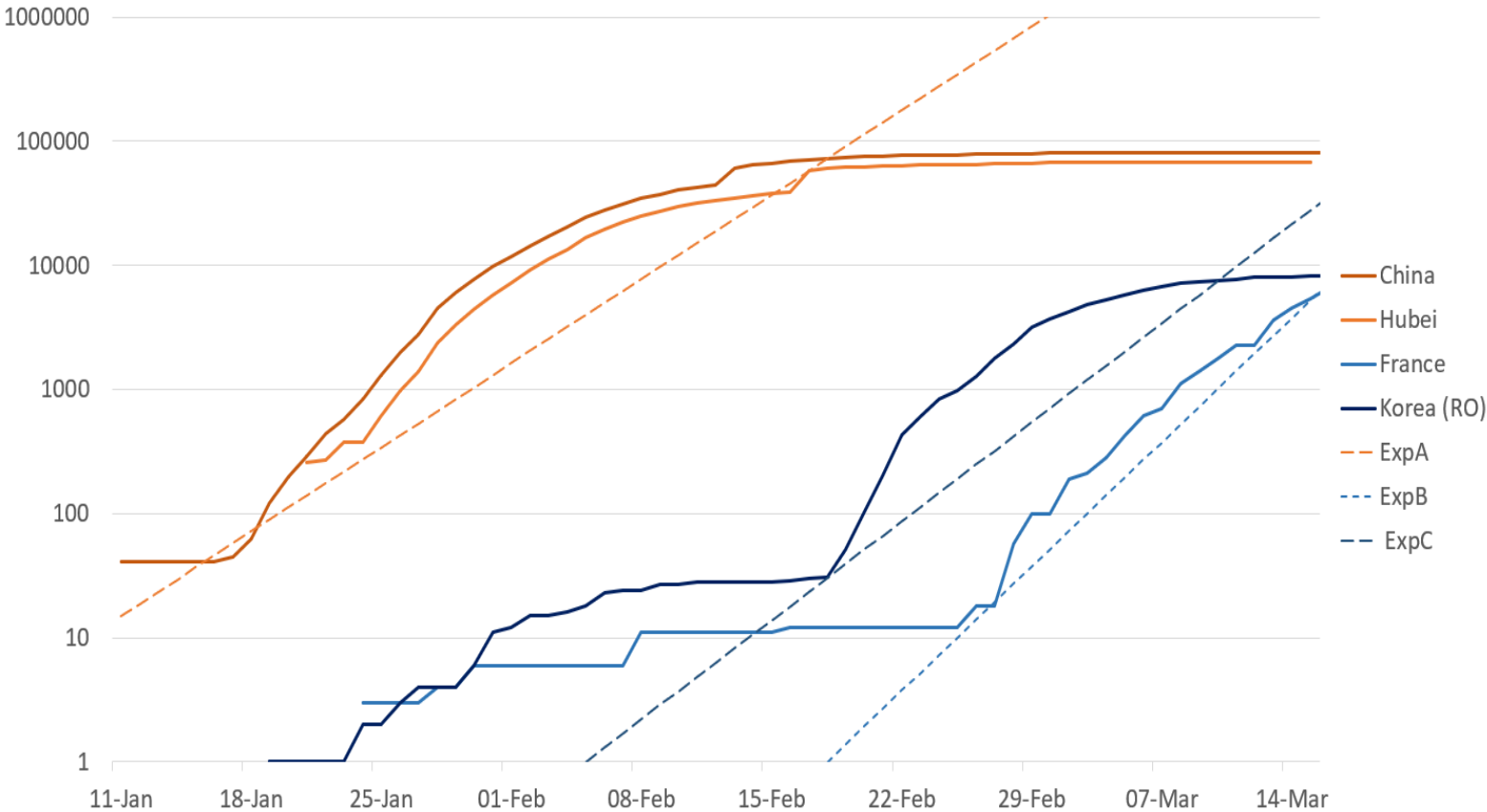


... and right now, what do you remember from earlier. Anything about China (Hubei), South Korea, Italy and Iran ring a bell. March 14th... let's look at those March 16th charts for those countries again..



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WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 16th March (15-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain

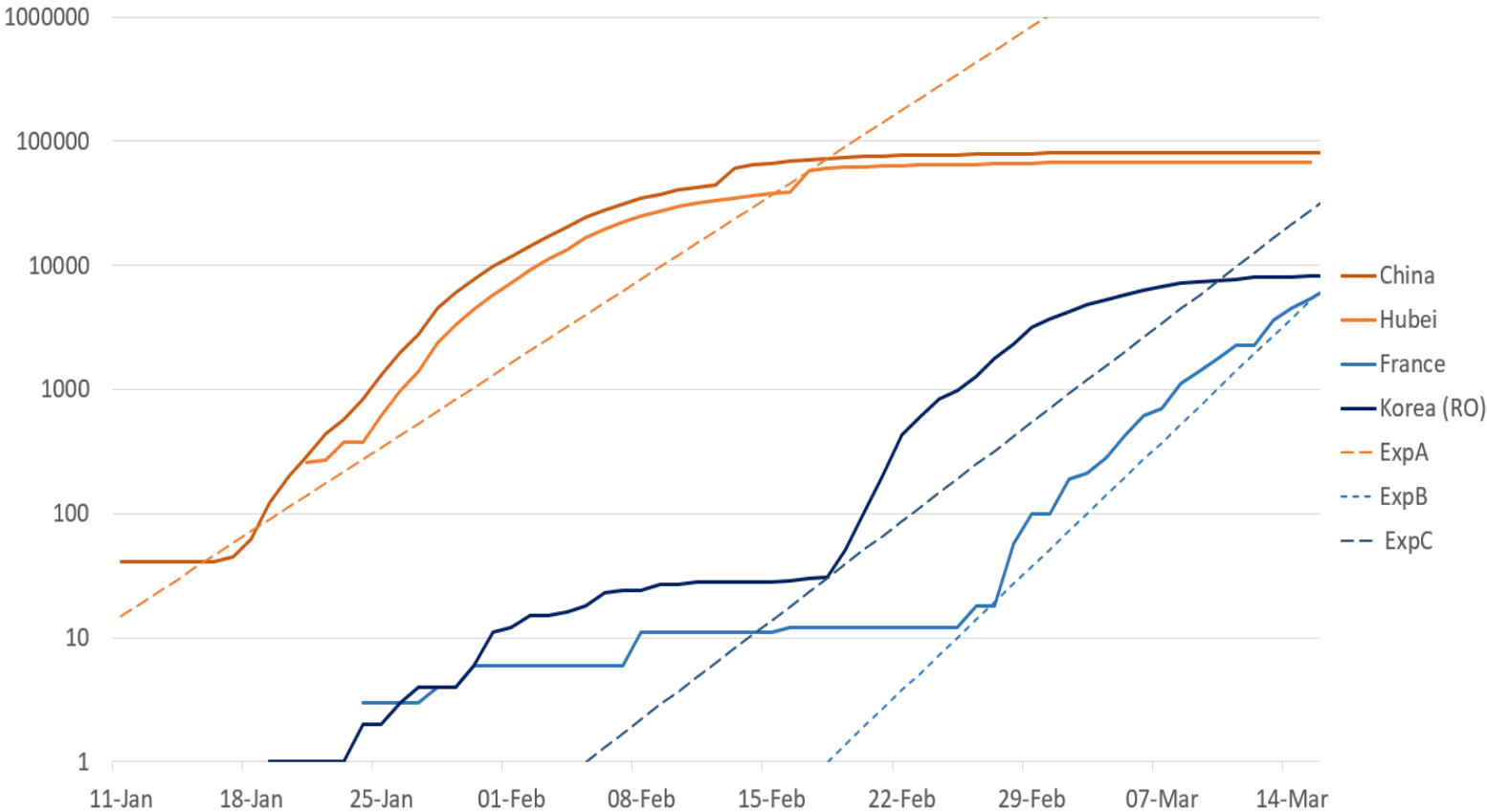


March 16th, and there's
 March 14th on the bottom.
 China (Hubei) over, long
 dead, and put 'exponential'
 to bed as soon as it started
 curling over, late Jan, early
 February



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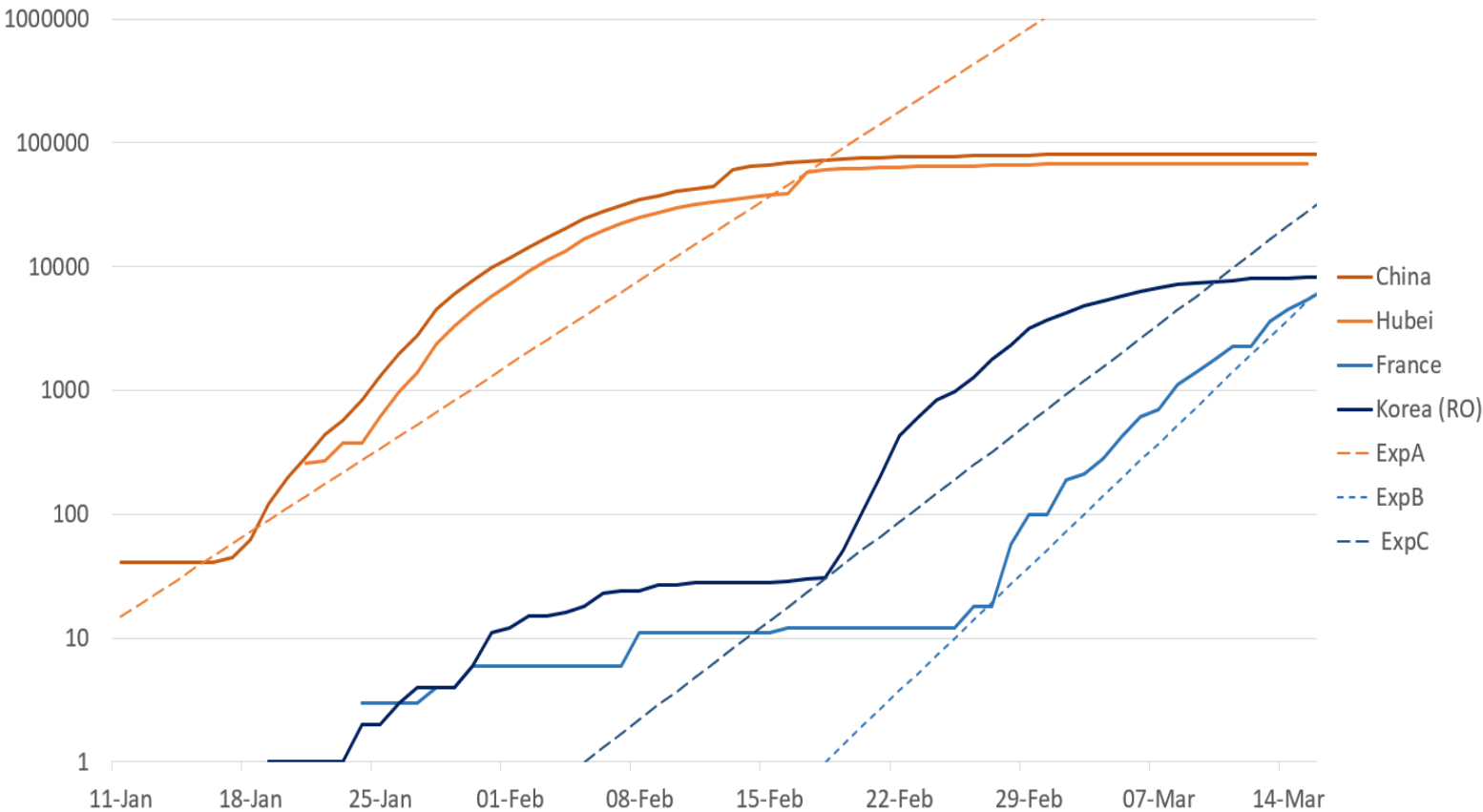


March 16th, March 14th at the bottom, Korea, over, all but flat. Just putting the finishing touches to an ENTIRE contagion with cases at barely 10% of China Hubei's (and China-China would be a fraction of Hubei because China WAS Hubei, 84% of cases, 96% of fatalities)



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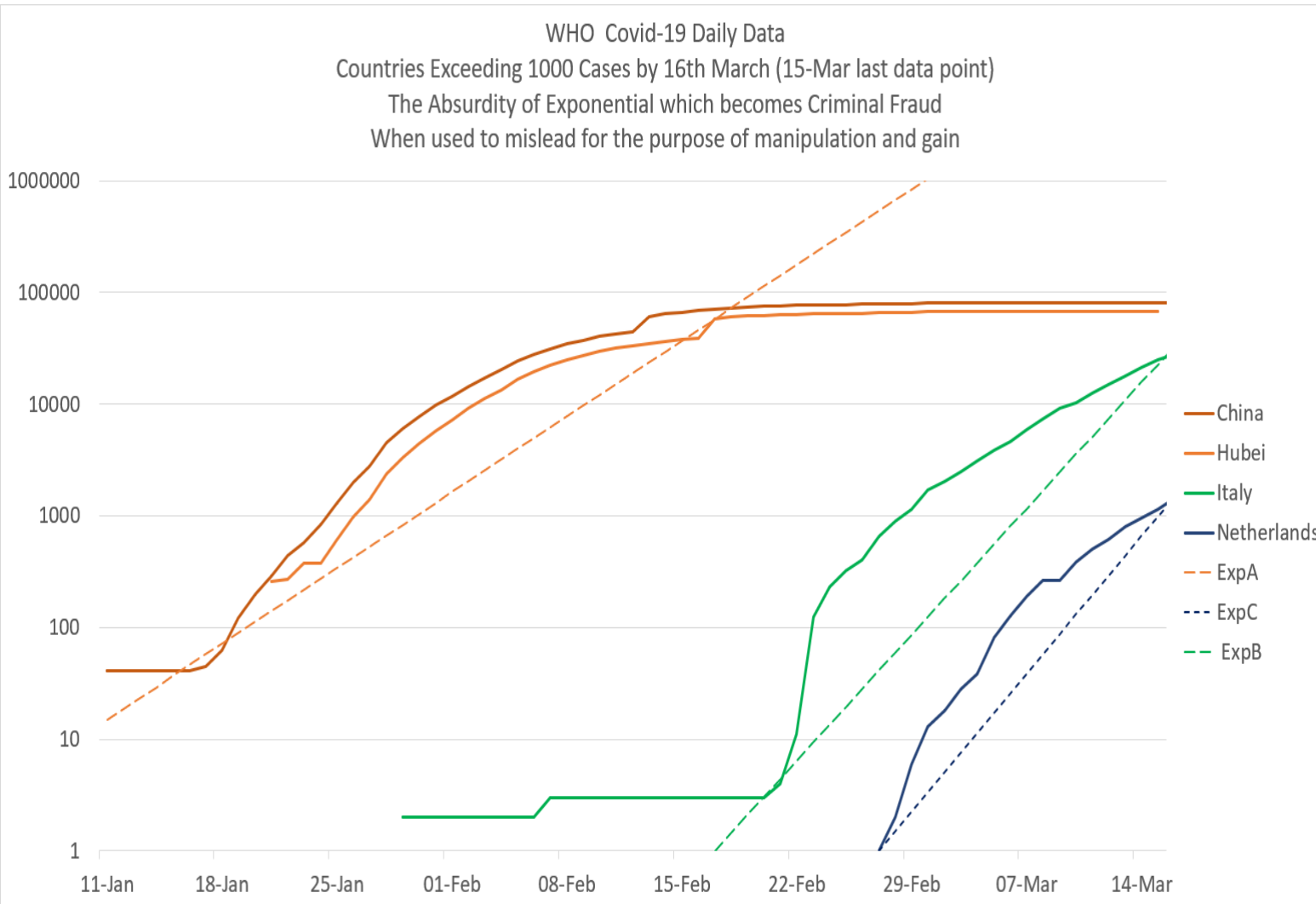
WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 16th March (15-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
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Gee... how strange of Professor Hannington to exclude those countries, but at least he was honest and let us know... JUST in case anyone challenged his article of course. He never lied... but we'll see (and I haven't read it yet, just saw the chart)



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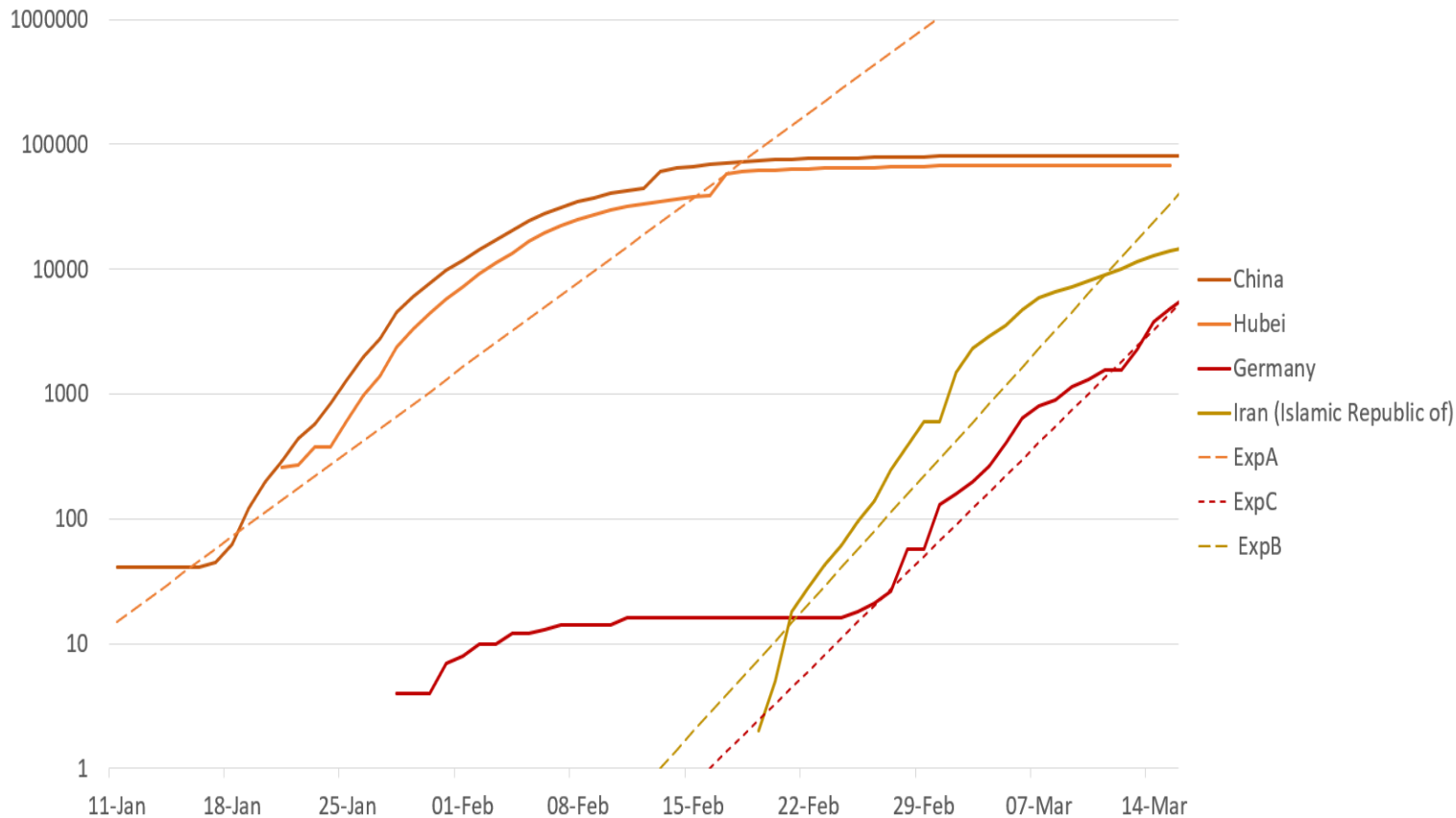


What were the other two?
 Iran and Italy?
 Here's Italy, massively
 bowed, showing the
 characteristic curlover of
 our NORMAL or humped
 distribution virus
 propagation...



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 When used to mislead for the purpose of manipulation and gain

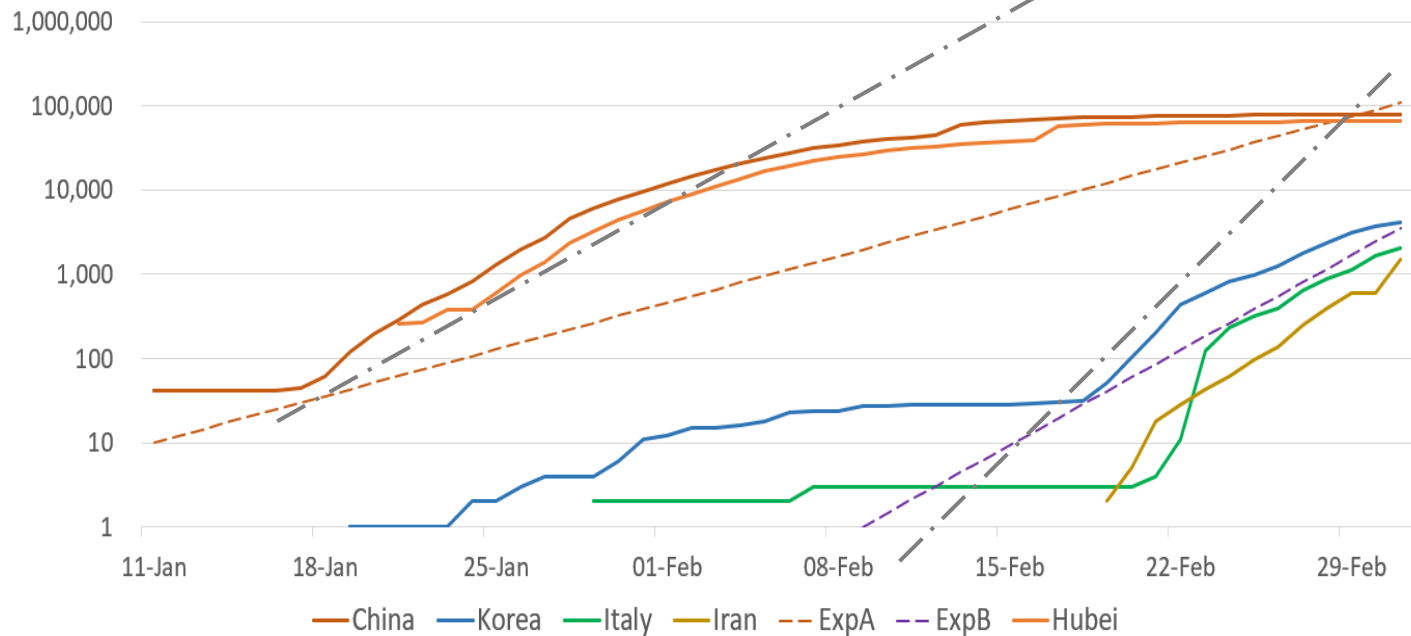


And here's Iran, again showing massively bowed, the characteristic curlover consistent with Hubei/China, the key indicator we've been showing to viewers that the crisis is OVER. The contagion will continue but NOT exponentially



NOTE TO CENSORS: We use only government data
If you have a problem with the results
speak to the government

WHO Data Available 3rd March (Last Datapoint 2nd Mar)
 4 Countries with cases > 1000: China, Korea, Italy, Iran
 China basically IS Hubei, a province of 59.17m people (WHO figure)
 Two EXPONENTIAL lines are included (dashed) for contrast
 The offset kink China/Hubei is inclusion of clinically diagnosed cases
 It was NEVER exponential
 The crisis was over even before Johnson's 3rd March briefing
 The contagion would continue but the MAGNITUDE and SEVERITY
 of the issue was entirely clear, as here defined by China/Hubei

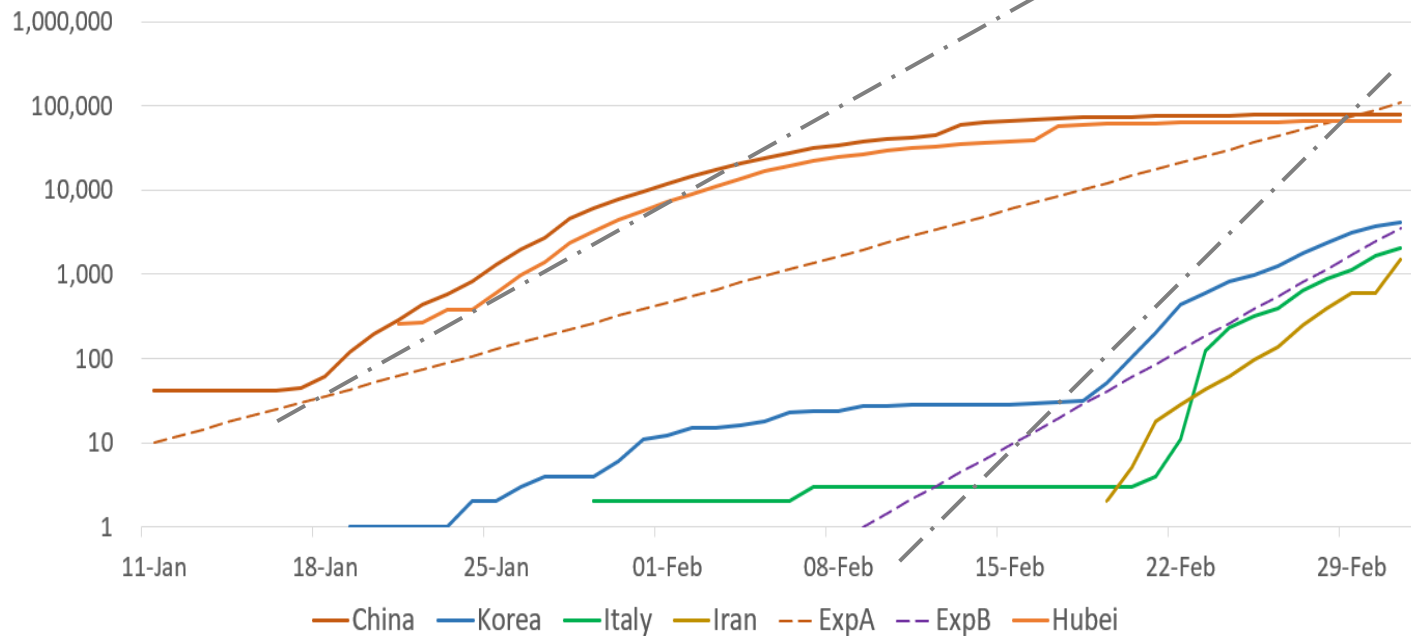


So look at that:
 the good professor
EXPLICITLY excluded
EXACTLY the four countries
 that showed this was
NEVER exponential, **NONE**
 of those 'straight'
 (exponential on log scale)
 lines representing reality...



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WHO Data Available 3rd March (Last Datapoint 2nd Mar)
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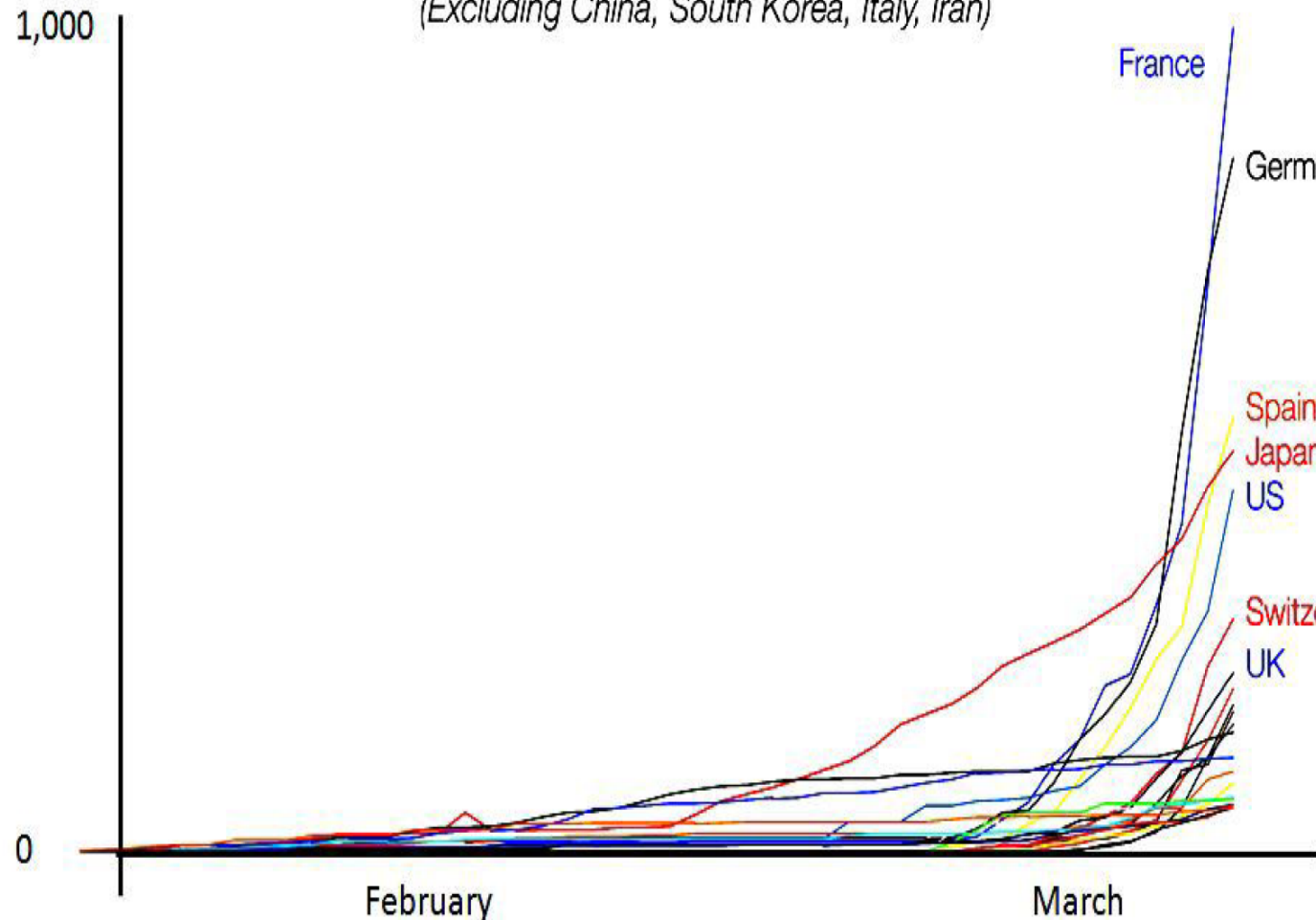


Gosh, well I'm sure he had a reason... let's see what he wanted to show, so let's take a look at the chart he DID include in his article...



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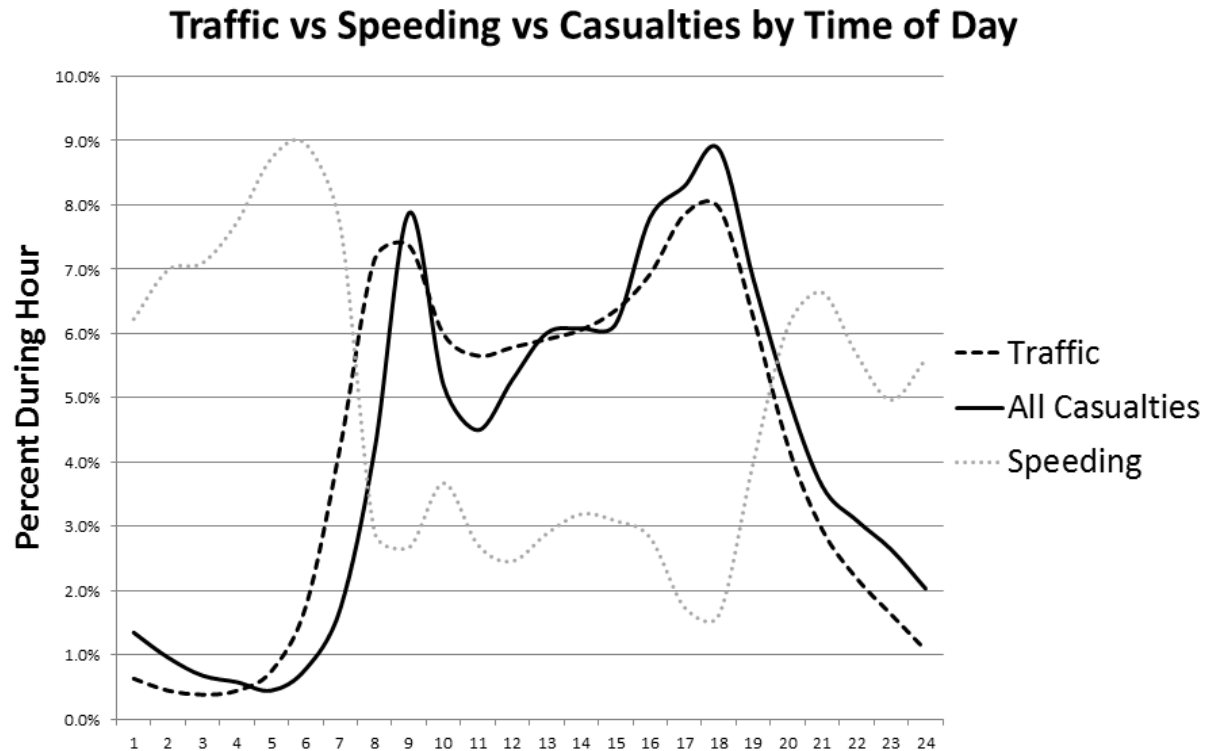
Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)



Now I can't legally see this chart... so don't tell anyone I saw it, because ElkoDaily.com respects EU GDPR and says that as a European I'm not allowed to see this... thank heavens the EU are 'protecting' us with GDPR



**NOTE TO CENSORS: We use only government data
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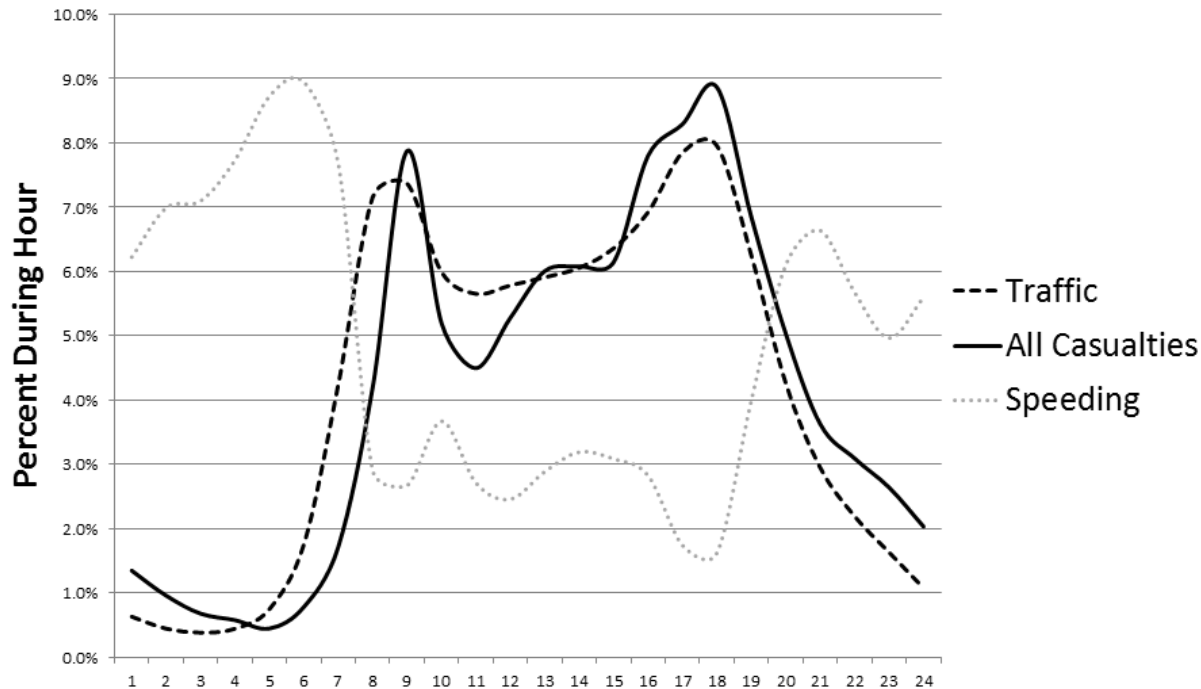
I can't see road safety statistics to update my analysis that shows that the UK government is massively lying about speeding either, again thanks to GDPR... as an individual I'm not GDPR compliant... ... but hey, quick nostalgia trip...



**NOTE TO CENSORS: We use only government data
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There's only ONE perfect 'cause' or determinant of traffic accidents and casualties... traffic density.
More cars, more pedestrians, more injuries... go figure.
How easy is it to speed in rush hour?
So speeding is way down with casualties at max

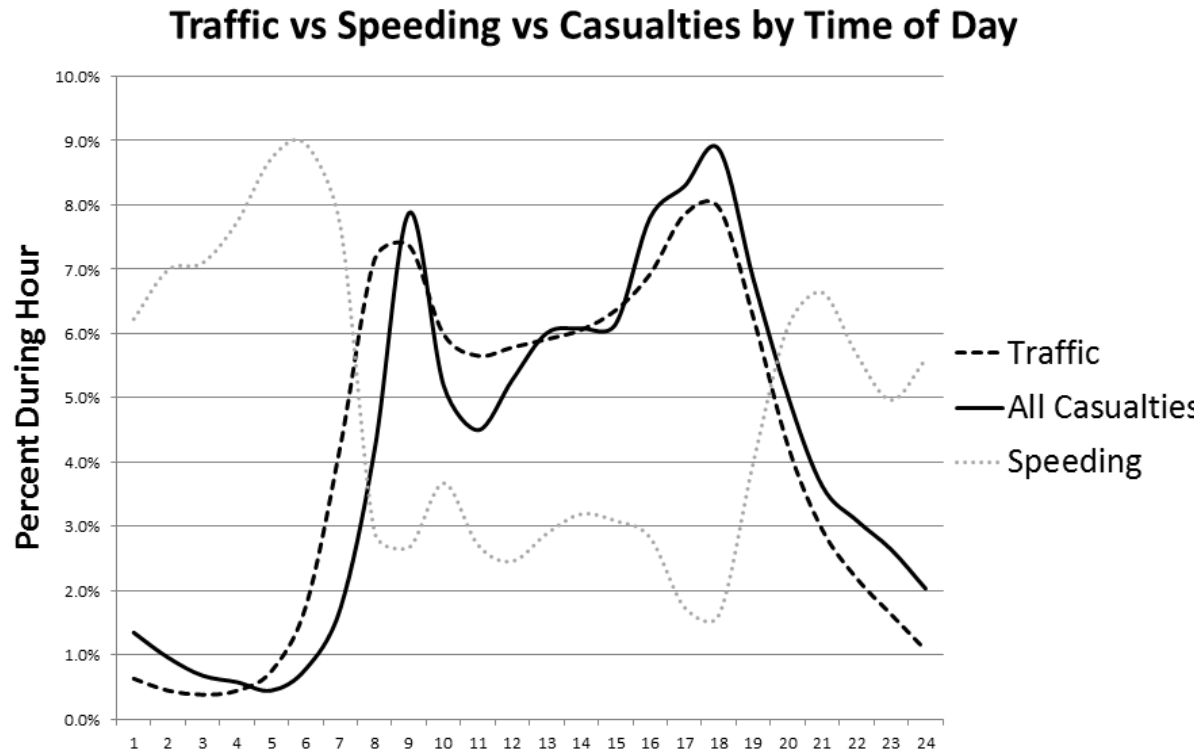
Traffic vs Speeding vs Casualties by Time of Day





**NOTE TO CENSORS: We use only government data
If you have a problem with the results
speak to the government**

As traffic declines, accidents fall away (98% correlation from memory) and hey, less traffic, can sensibly and safely increase cruising speeds...



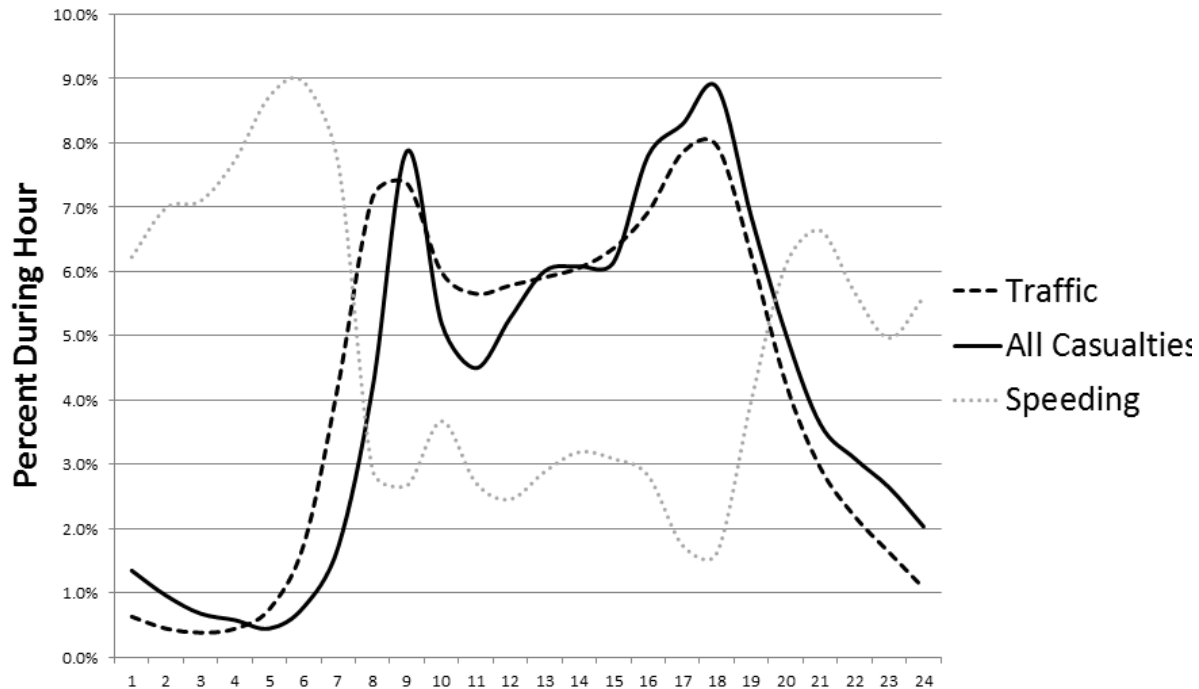
... except now you're 'speeding' an easy no-accident catch for the police... and govt are 'taking action' on road safety



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Speeding, a Policy of Deception,
on Amazon, and amazingly
a viewer had actually read it as his
first Kindle book, in fact purchasing
a kindle just to read it!
How about that?
And here I am again using their own
data to disprove their fraudulent
claims. Plus ca change.

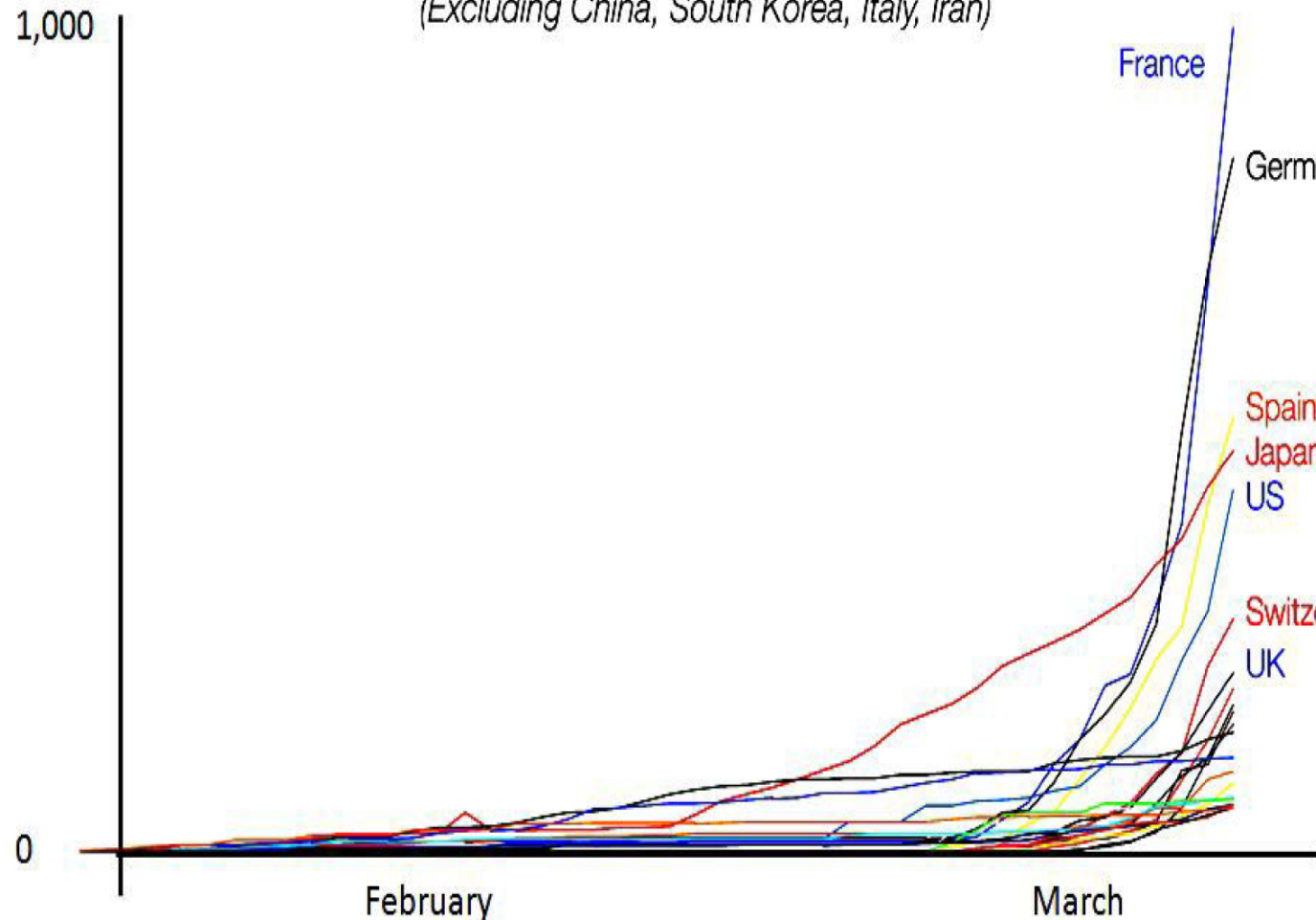
Traffic vs Speeding vs Casualties by Time of Day





NOTE TO CENSORS: We use only government data
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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)

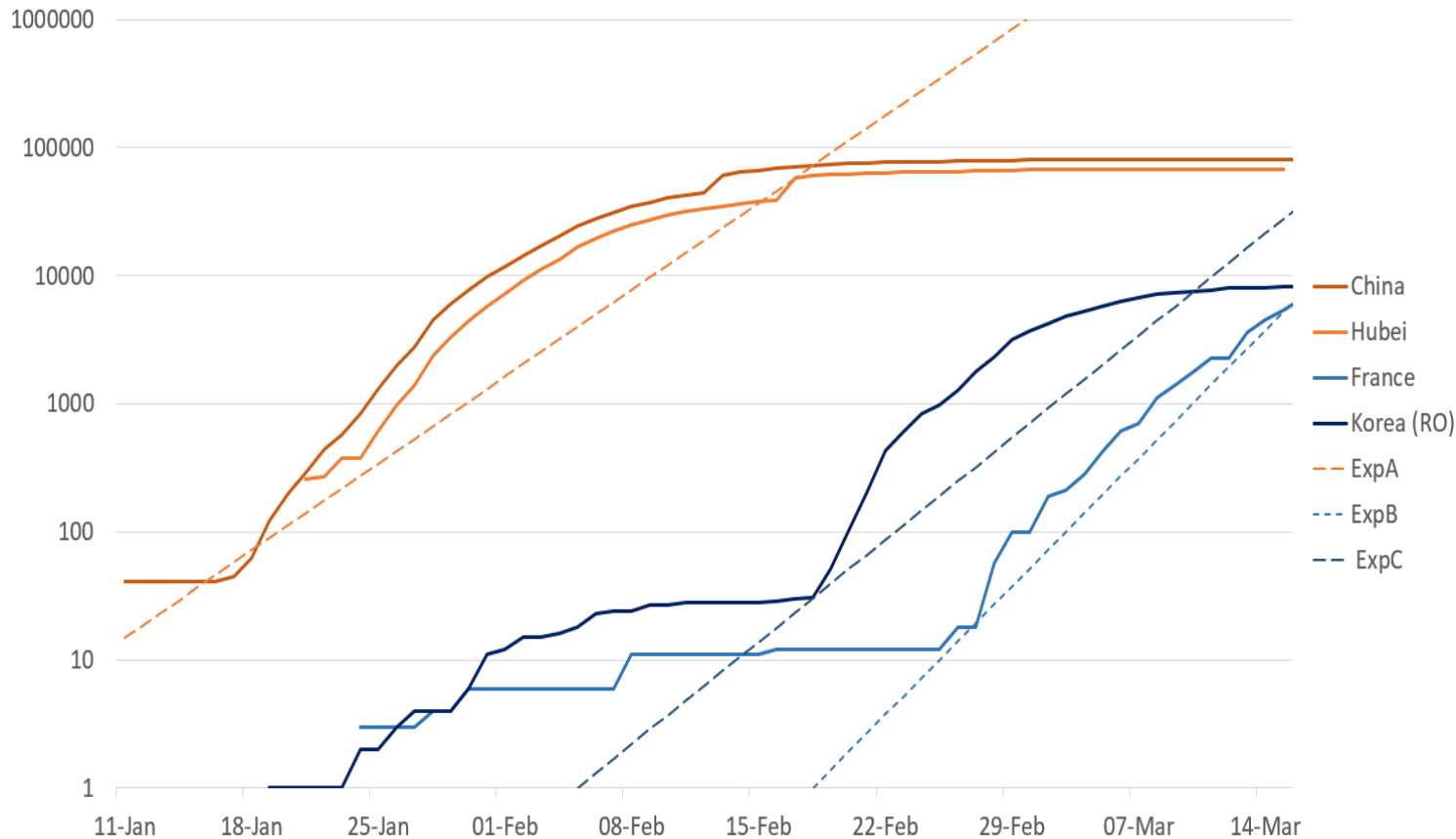


Meantime, the good professor has this chart, and because he goes from 0 to 1000 (again, an interesting choice... obfuscates the fact that these are LINEAR perhaps?) we can't say if that's linear or log scales...



NOTE TO CENSORS: We use only government data
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WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 16th March (15-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
 When used to mislead for the purpose of manipulation and gain



But hey, here's one we prepared earlier... log scales... for France...

gee... bowed, curling over to the right...

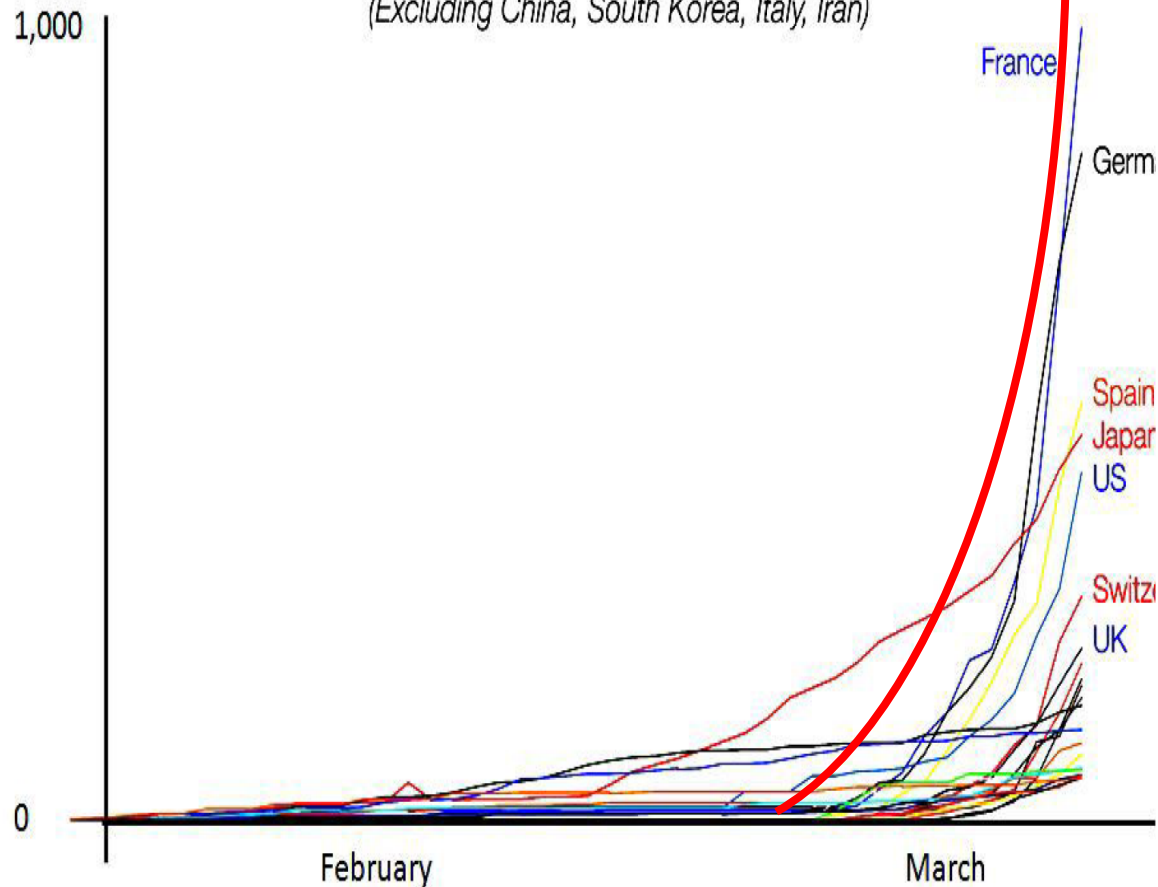
... let's put them side by side...



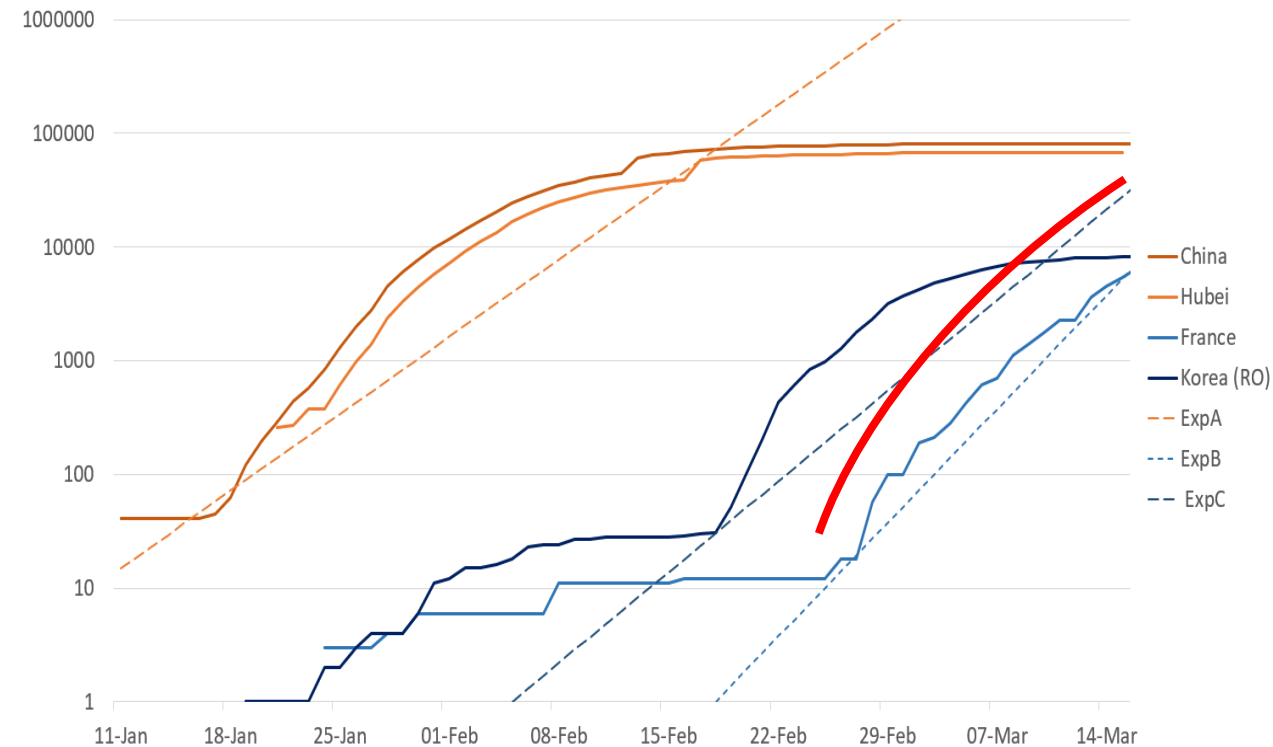
NOTE TO CENSORS: We use only government data
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So here they are... the red lines showing their curves

Coronavirus Cases per Country
 (Excluding China, South Korea, Italy, Iran)



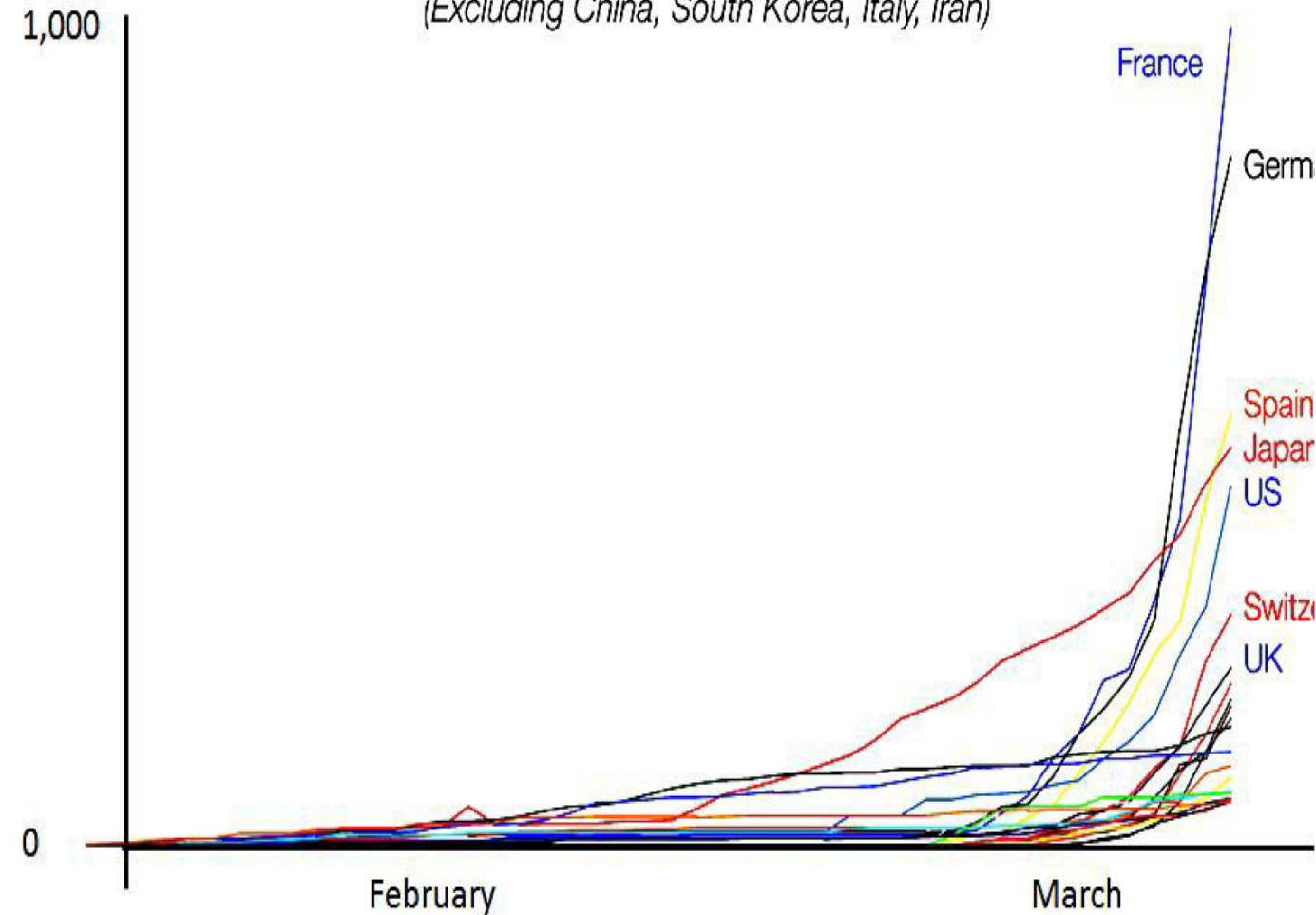
WHO Covid-19 Daily Data
 Countries Exceeding 1000 Cases by 16th March (15-Mar last data point)
 The Absurdity of Exponential which becomes Criminal Fraud
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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)

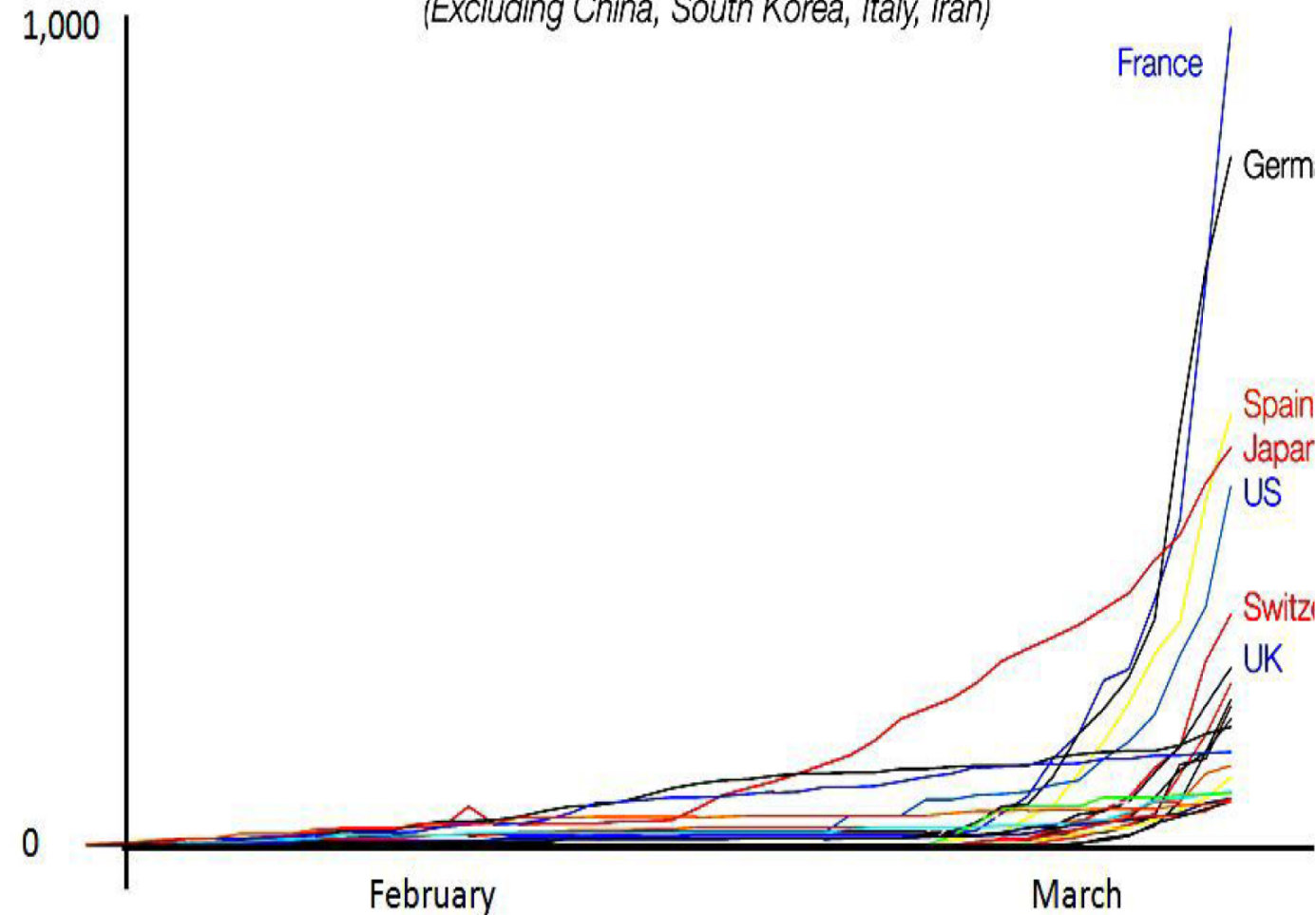


Now I'm sure the good professor intended no deception... He's left out four curled over, two finished countries, and used a scale that shows France escalating to the moon when log scale would have shown it non-exponential and dying...



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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)



But hey, I haven't read the article yet, so we're going to share this together...
... but he DID call the article

“The power of the positive exponential”

... huh.



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Well, I've now read the article, and I'm amazed.

I'll have to upload the PDF for EU viewers but in theory it's still up there for non-EU viewers.

I'll post the link in the description and I'd suggest you take a copy and a couple of pictures. Professor Hanington just made himself an easy target for any lawyer wanting to pursue a claim of damages based on mis-representation with a view to negligence, the commission of fraud, or colluding in a criminal activity, because taking down the economy and false imprisonment on false pretences is definitely a criminal activity.



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Here's the link to his article, and then we'll go through it.

https://elkodaily.com/lifestyles/professor-hanington-s-speaking-of-science-the-power-of-the/article_dd98e7b5-a09f-56e7-abe9-e04b1af9b93a.html



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Here's the link to his article, and then we'll go through it.

As I say, I'm astounded, but as ever it's one of those masterful "what me?" propaganda pieces where they can proclaim innocence, only they messed up.

Bear in mind that this is... oh, I'm getting ahead of myself, but what the heck: it's at the bottom of the article:

"Gary Hanington is Professor Emeritus of physical science at Great Basin College and chief scientist at AHV."



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Professor Emeritus. That sounds serious.

Like someone that seriously cannot make casual errors,
and is more than capable of understanding how SELECTIVE
choice of data can change a story dramatically

“She mouthed off so I hit her and she ended up in hospital”

“She mouthed off at the TV and it was annoying her so much I hit her
TV remote off button and she ended up thanking me before finally
we went out to go visit her mom in hospital.”



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Let me post the full text here, fully attributed, all rights to ElkoDaily.com (who probably will wish they didn't have those rights if we can get any lawyers targeted at them... but hell, this is the US, right? Should be easy...)



**NOTE TO CENSORS: We use only government data
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This week a lot of politicians and newscasters are saying the Chinese coronavirus, Covid-19, is increasing “exponentially” in the world. Just last week there were 88 cases within the United States and now, as of today, March 12, there are 1,350.

The fact that it seems to be doubling every few days can be modeled using mathematics.

This is handy because it tells us what the numbers will grow to as the days go on allowing hospitals and care facilities to plan what they will need to have to treat people in the coming days.

Because a great deal of physics can be explained by using the exponential function it is good to understand how it operates.

You don’t need much training in mathematics to use the “e to the x” button on your scientific calculator or I-phone.

It is a friendly function. Students usually first see the exponential equation when taking calculus because it easily provides solutions to loads of differential equations that govern our world. For example, when you pour out a cup of tea, it cools off in temperature according to a negative exponential with respect to time:

Temperature = $T_{\text{initial}} e^{-kt}$

where k is some parameter that depends on the size and shape of the cup and the coefficient T_{initial} is the starting temperature of the tea at time zero. Because the “e” function raised to a negative value is inherently less than unity the temperature of the tea will fall as time goes on. The negative “e” function is found everywhere in our world that include such diverse areas as chemical reactions to electronics to statistics.



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You cannot make a “bell curve” without it.

It is interesting to ask why the exponential function has this ability to fit many physical systems and the answer is simply that the slope of the curve is equal to the exact value of the curve at any point.

This strange behavior only occurs when $e = 2.7182818\dots$ and was discovered by Leonhard Euler, the pioneering Swiss mathematician and physicist in the 18th Century.

Notice that the above temperature equation has a negative exponential. In fact, almost all systems use the negative exponential. The positive exponential function is rarely found because it “blows up” too quickly. Just try putting in “e” to the 231 in your calculator and it cannot even handle it.

Consequently, the positive form is only used to model explosive situations, for example the explosion of gunpowder shooting a bullet or a chain reaction in an atomic bomb. When the technicians pulled out the control rods in the nuclear reactor at Chernobyl, Russia on April 26, 1986, (and had blocked the fail-safe pumps from coming on) the reactor jumped from low power to over 30,000 MW within a few seconds. This was a positive exponential if you plotted the reactor temperature as a function of time.

The nuclear reaction released 40 billion joules of energy in the blink of an eye.



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But I don't want you to think that all positive exponential reactions are bad. There are a few positive exponential relationships that can be modeled that are stable and inwardly beneficial to mankind. One of them is the approximation for continuously compounded interest:

$$A = Pe^{rt}$$

When you put money, P , in an interest bearing account, the amount, A you will have increases exponentially with time. In this equation r is the rate and t is the time in years. If your ancestors had invested a penny in 0 AD, at the rate of 2% per year, it would be worth about \$ 3,511 trillion today. You would be three times richer than Jeff Bezos!

Another useful positive exponential function is the one involving friction of rope wrapped around a post. The amount of holding force, H , that can be applied to the rope without it slipping, increases as a positive exponential function involving the number of turns around the post, N :

$$H = e^{\mu N}$$

If, for example, you want to pull out an old tree stump with your truck, putting four turns around the stump gives you over seven times more gripping force than just two turns.



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So, the powerful positive exponential can be both good and bad. Concerning the present virus outbreak in our country, it looks quite bad. If it continues unabated, and (according to data published in an article by Tomas Pueyo of Medium), the number of cases double every three days, the timeframe for 100,000 cases in the US is about March 31st and one million cases is April 10th. Plan accordingly.

Gary Hanington is Professor Emeritus of physical science at Great Basin College and chief scientist at AHV.

He can be reached at garyh@ahv.com or gary.hanington@gbcnv.edu.

Now... do NOT be tempted to reach out to the good professor and get me into trouble.

Leave that to the carpet-bagging, ambulance-chasing lawyers who might find an interesting connection with a centi-billionaire philanthropist, because here's an interesting thing...



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Professor Ferguson was the EARLIEST lying scumbag professor
creating a Private Sector Initiative
Vaccine Marketing Piece
masquerading as:

“Imperial College Covid-19 Response Team Report 9”

... and in it he declared the entire crisis strategy:



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a) massively dangerous threat – 510,000 UK deaths,
2.2 million AMERICAN deaths

(so kind of him to remember Americans are at risk too...)

b) only massive intervention can reduce this terrible threat

c) only vaccine can be effective to handle it in the future

Not the exact words maybe, but you get the idea,
and I doubt anyone except a troll could take exception
to that summary...



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On March 23rd, we are duly locked down, the 'threat' of 530,000 deaths miraculously disappears, downgraded to 5,700 (and no, I haven't forgotten, we still need to finish lockdown failure), and we're safely in our homes to hear

d) the final part of the message



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Three people, using essentially identical wording,
in three different countries, all with the same message:

“you’re not getting out until the vaccine”
phrased as: “no normal until the vaccine”

1. An American philanthropist, Bill Gates, Fox News, April 5th
 2. Justin Trudeau
 3. UK Govt official (we didn’t even merit a figurehead)



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Now I already did a video taking down Herr Gates and his interview, with 26 lies or misrepresentations in 2m30s... which has to be a world record.

And Imperial College are more than happy to advertise their gratitude at the Gates Foundation funding, so the Ferguson-Gates connection is old news...



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But until I stumbled on this article, I had NO IDEA
that an American Professor Emeritus was promoting
a FALSE EXPONENTIAL MEME
even before the ICCRT March 16th Report.

Bear in mind, the March 3rd Press Conference used 80% infected, 1%
deaths, translated as 53 million infected, 530,000 deaths, so the false
memes were official long before March 14th or 16th...

...might be worth seeing how many others like this we can find.



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And even till I read it finally, I had no idea we were dealing with a 'professor emeritus' or that the piece would be so marvelously revealing...

It's a masterpiece of caution, but sadly and inevitably the professor cannot hide his fraud, because he was commissioned to commit fraud, I have no doubt, and went to great lengths to avoid committing "too much" of a fraud, but there's still more than enough to whet the appetite of lawyers or the FBI...



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... if of course you can find an honest US official.

At this point, with the full might of the state arrayed us in the US, UK and Canada, the more likely reaction is that this video will be deleted, the Peerless Reads channel shut down, my Facebook page blocked...

... so yet again, we exist by fortune, taking each day as it comes.

DOWNLOAD the pdf and the video from AWS.
Keep the story alive, regardless.



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AGAIN AND AGAIN we use THEIR DATA
to show THEIR lies...

... this is just another one, but a sweet foretaste of what we're
assembling against Professor Ferguson.

So let's look at that oh-so-professor-emeritus article...



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A reminder: where we were:

Professor Emeritus Gary Hanington had written an article for
ElkoDaily.com:

https://elkodaily.com/lifestyles/professor-hanington-s-speaking-of-science-the-power-of-the/article_dd98e7b5-a09f-56e7-abe9-e04b1af9b93a.html



**NOTE TO CENSORS: We use only government data
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He's titled it:

Professor Hanington's Speaking of Science:
the power of the positive exponential.

and it has a publication date in the article
of March 14th.



**NOTE TO CENSORS: We use only government data
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He's published a chart

And he's duly noted
that he's excluded China, South Korea,
Italy, and Iran



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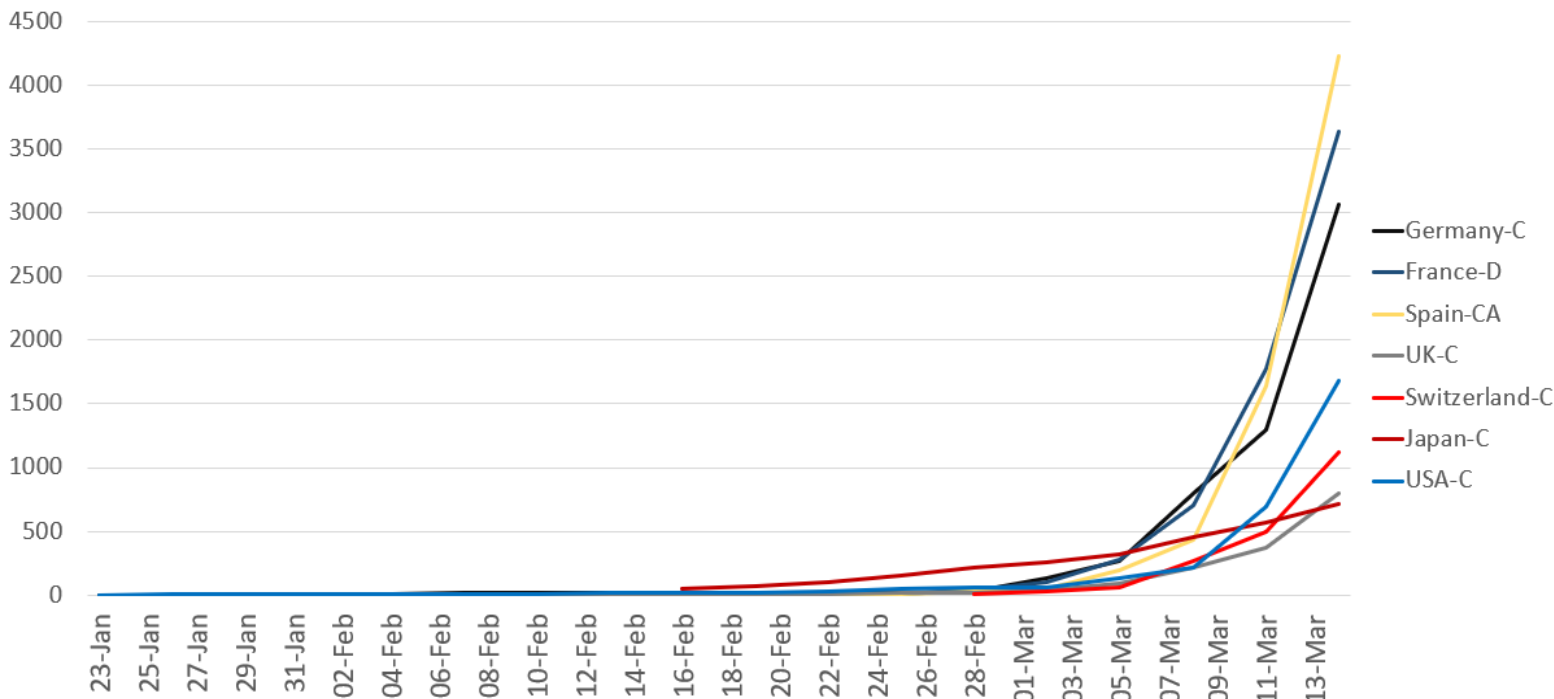
The chart uses linear scales... but hey, let's double check that...



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Replicating Professor Emeritus Gary Hanington's
 Insightful Look at the Coronavirus:
 Professor Hanington Speaking of Science: The power of the positive exponential
 Published Mar 14th
 Chart: "Coronavirus Cases Per Country (Excluding China, South Korea, Italy, Iran)"

We use datapoints every 3 days, terminating Mar-14th, but the chart clearly emulates the graphic published in the
 ElkoDaily.com article for character
 (dramatically escalating curves at right)
 RAW - Simple Cases as Reported to WHO - Notice Scale on Left and VALUES of the final points



Here's our chart, using our data every 3 days from our chart updates...

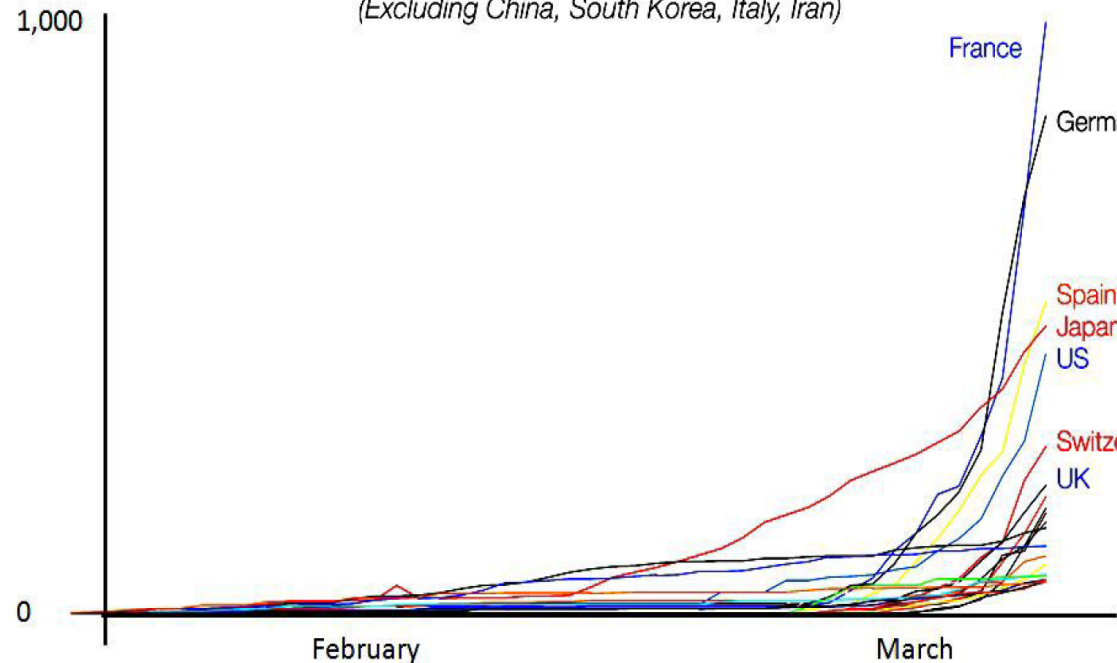
Looks about right, let's put them next to each other



NOTE TO CENSORS: We use only government data
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Squishing his... yup,
 looks similar... but...

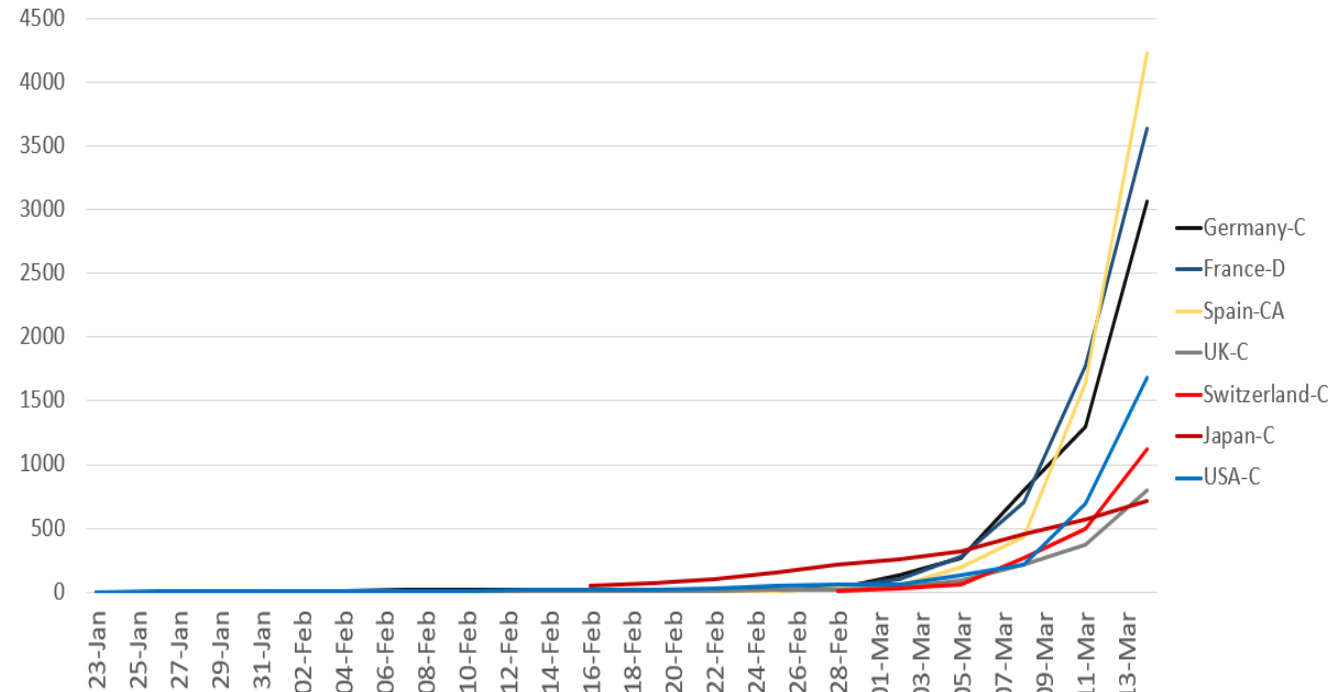
Coronavirus Cases per Country
 (Excluding China, South Korea, Italy, Iran)



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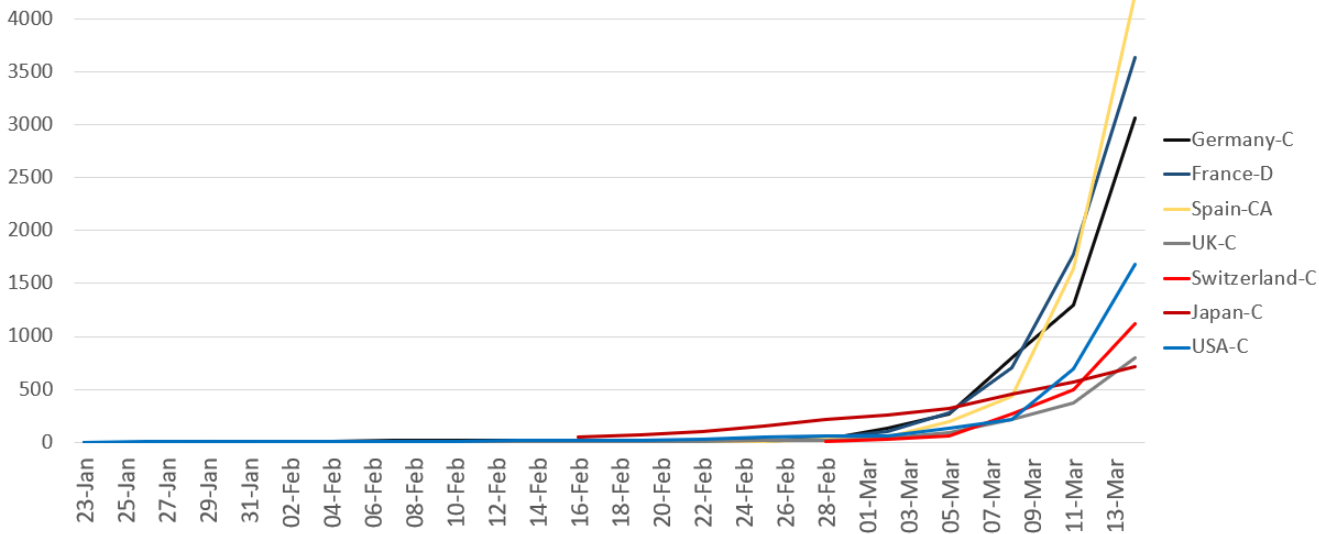
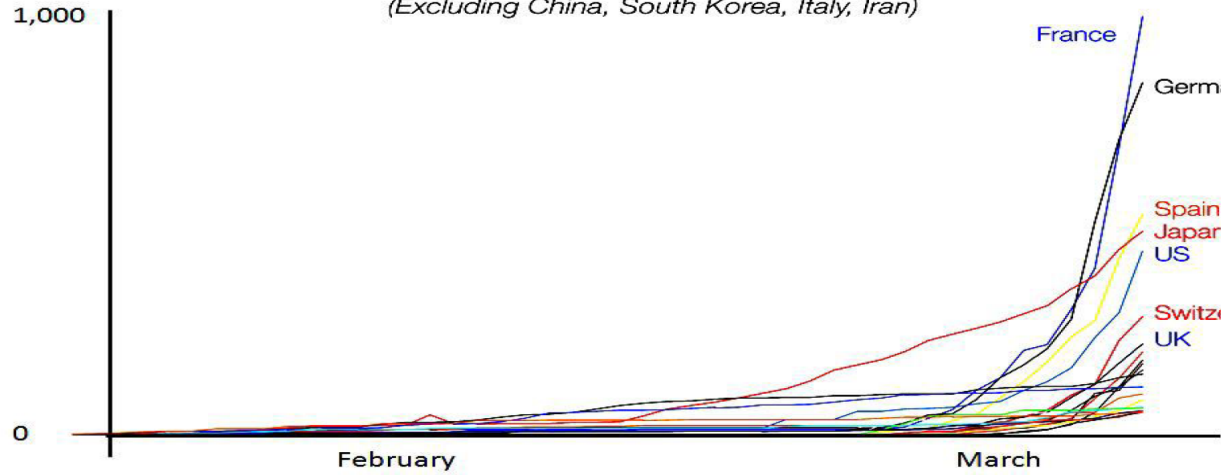
RAW - Simple Cases as Reported to WHO - Notice Scale on Left and VALUES of the final points





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Coronavirus Cases per Country
 (Excluding China, South Korea, Italy, Iran)

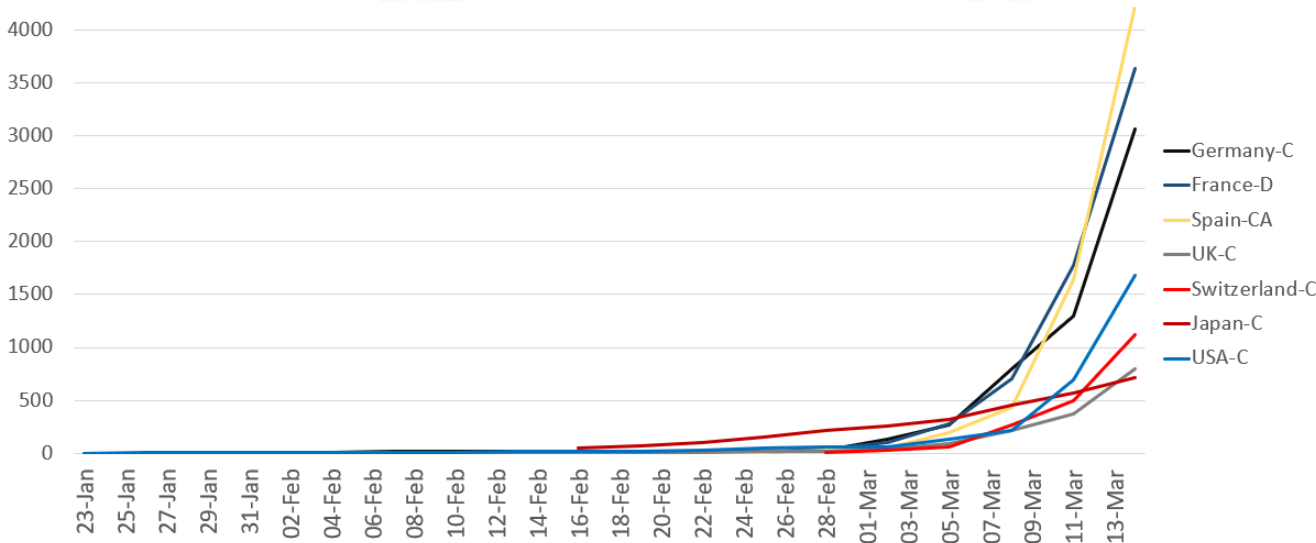
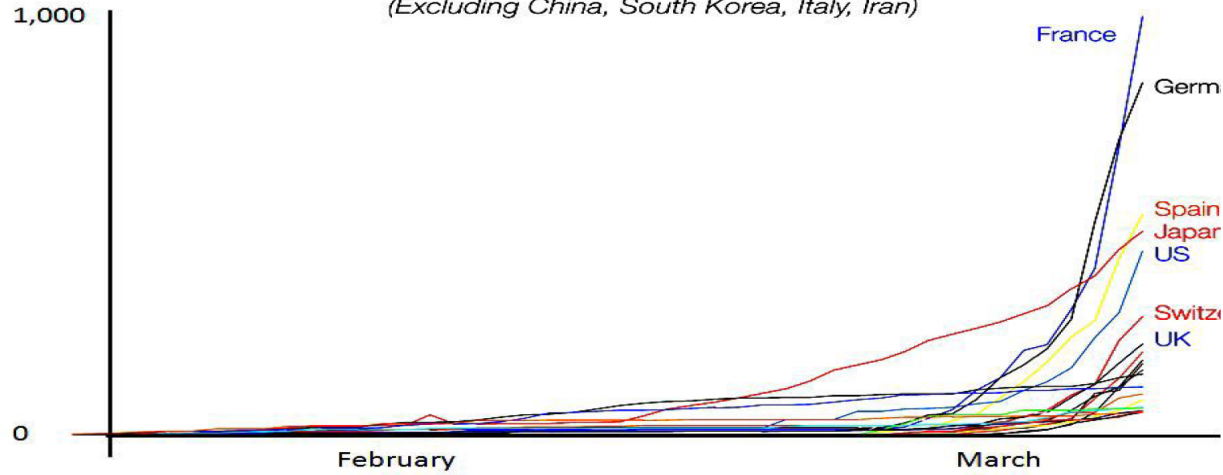


We've got Spain at the top, but maybe he finished his with earlier data (Mar 13th maybe)... not a biggie. His Japan is up by Spain and the US... Our Japan is nowhere near Spain (top) or USA (middle).
 ... huh...



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Coronavirus Cases per Country
 (Excluding China, South Korea, Italy, Iran)



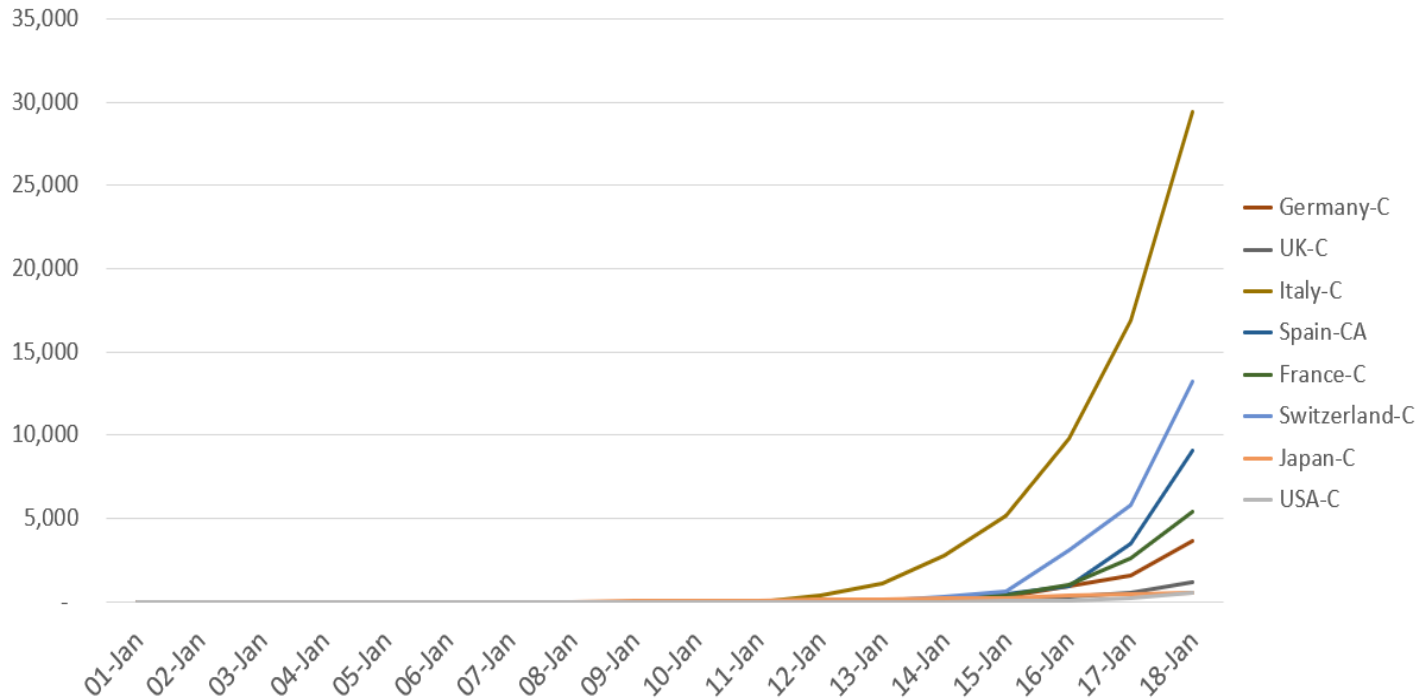
Maybe he did his population normalised. He doesn't say so, but hey, it's what we do. We're only doing this 'raw' cos his looks 'raw'. So what would that look like?



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 ElkoDaily.com article for character
 (dramatically escalating curves at right)
 NORMALISED to 100mm Pop - Notice Difference in Order and Clear Separation of Lines

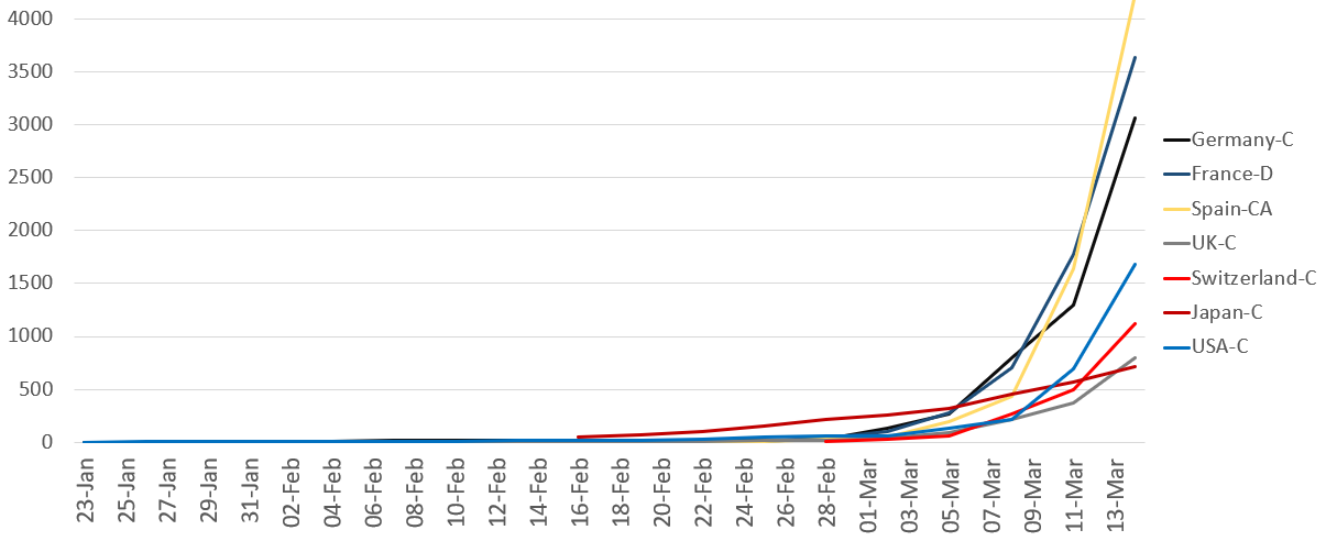
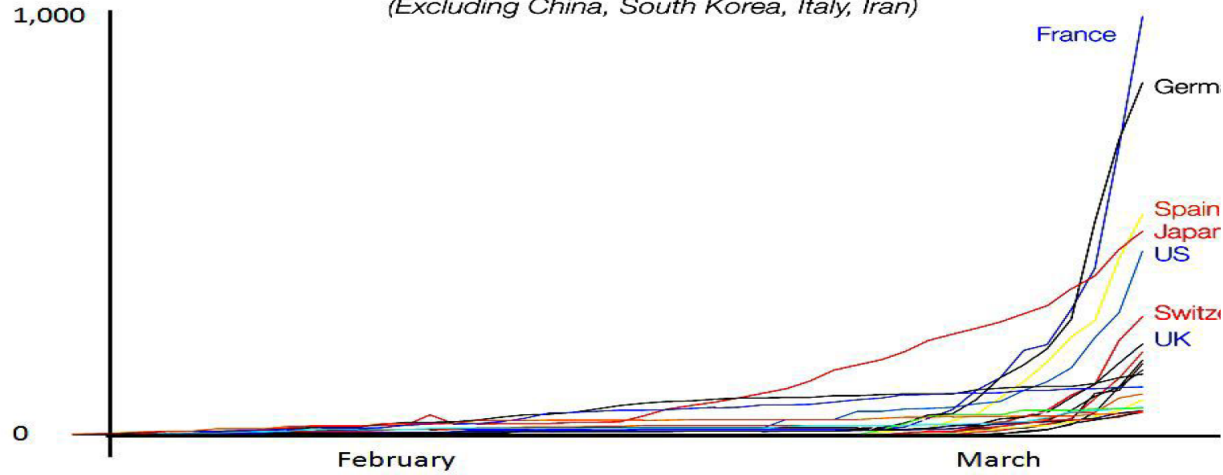


Now we've got Italy way up at the top, and Switzerland next above Spain, above France with Germany way down, so no...
 ... and yeah, how come a Professor Emeritus DIDN'T normalise for populations?
 But hey...



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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)

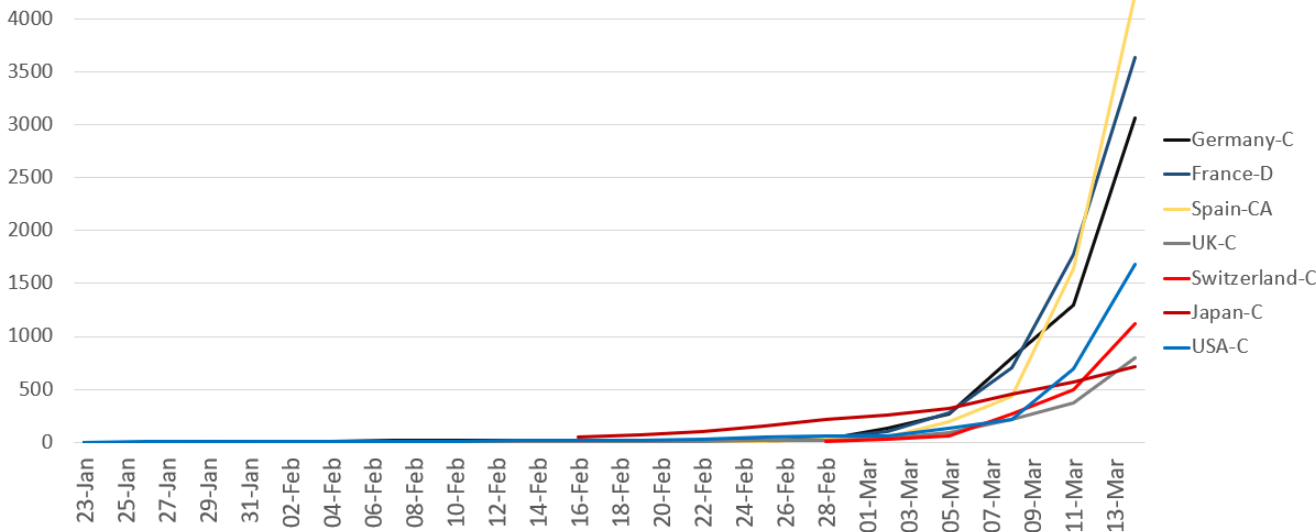
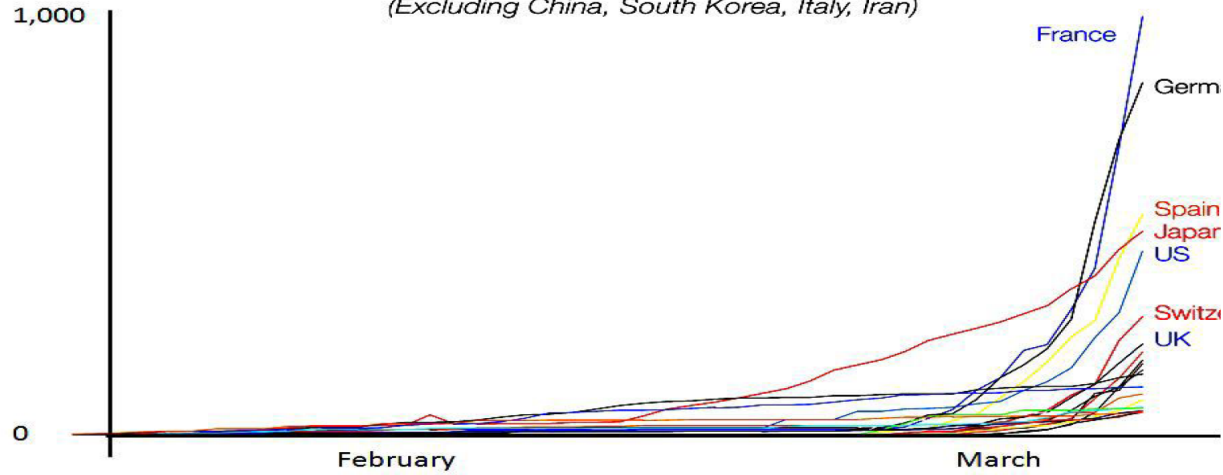


So no, there are anomalies, but it looks like that's supposed to be 'raw' data, as recorded... and of course he wants to emphasise exponential (it's the subject of his article) so no log-scales for him.



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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)

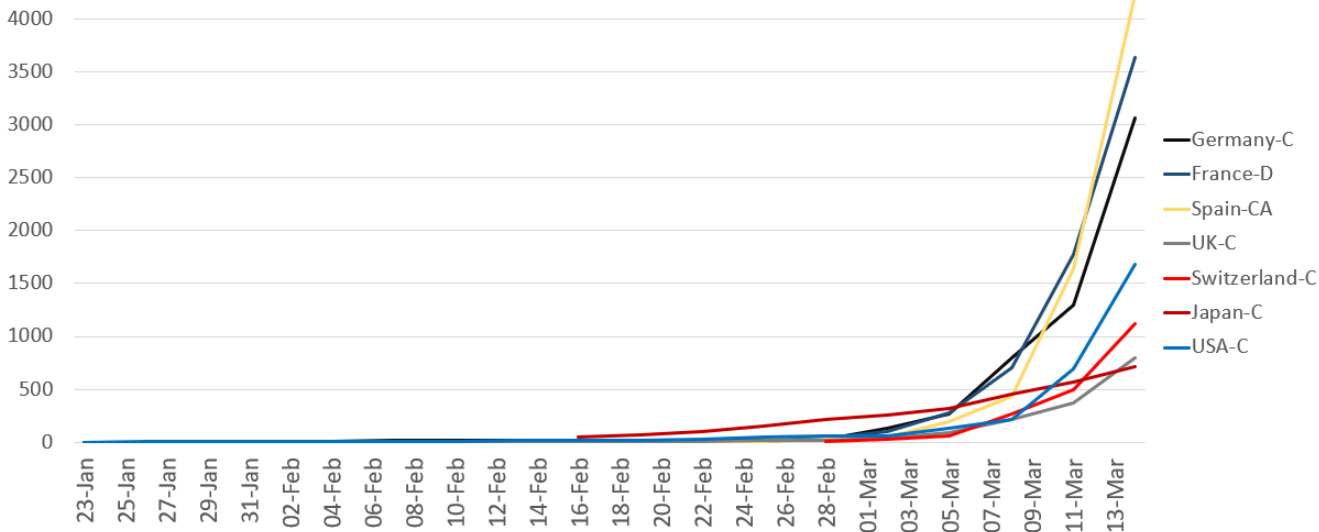
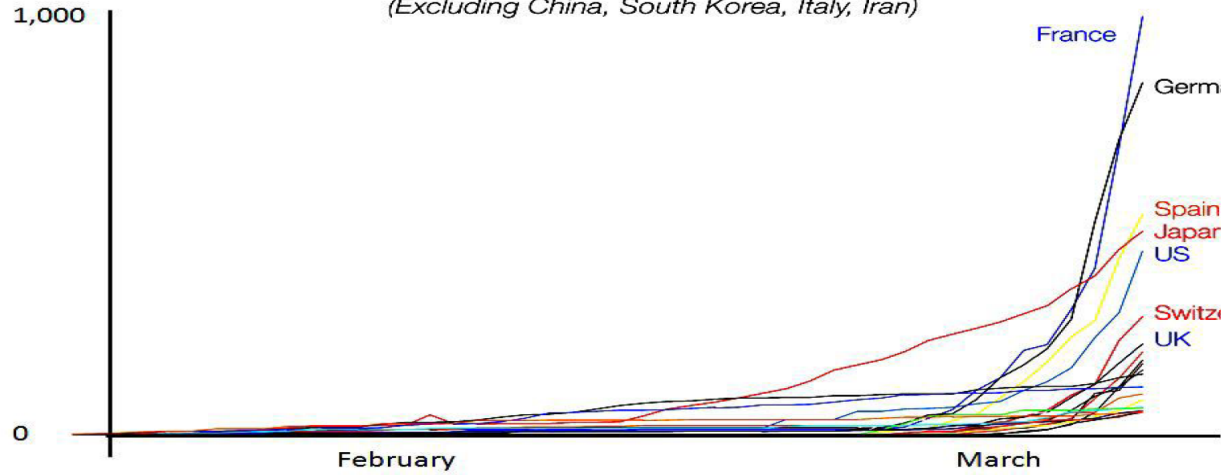


It's interesting... to me, the exponential-on-linear-scale is so artificially distorted and it loses the one key element that log scales give you... that exponential translates to a straight line.



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Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)

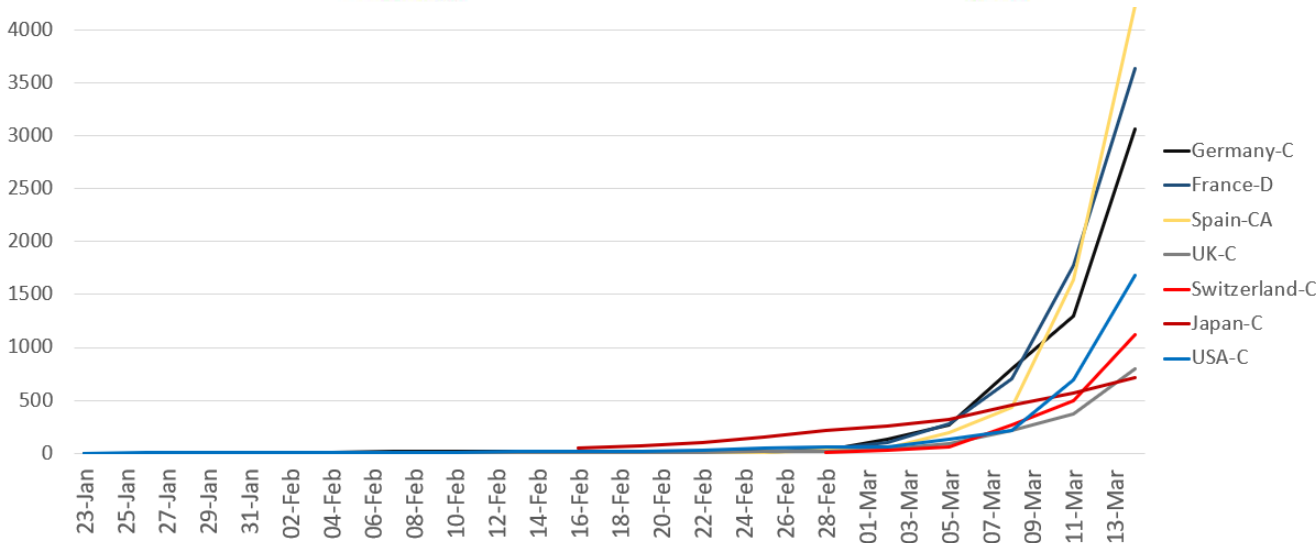
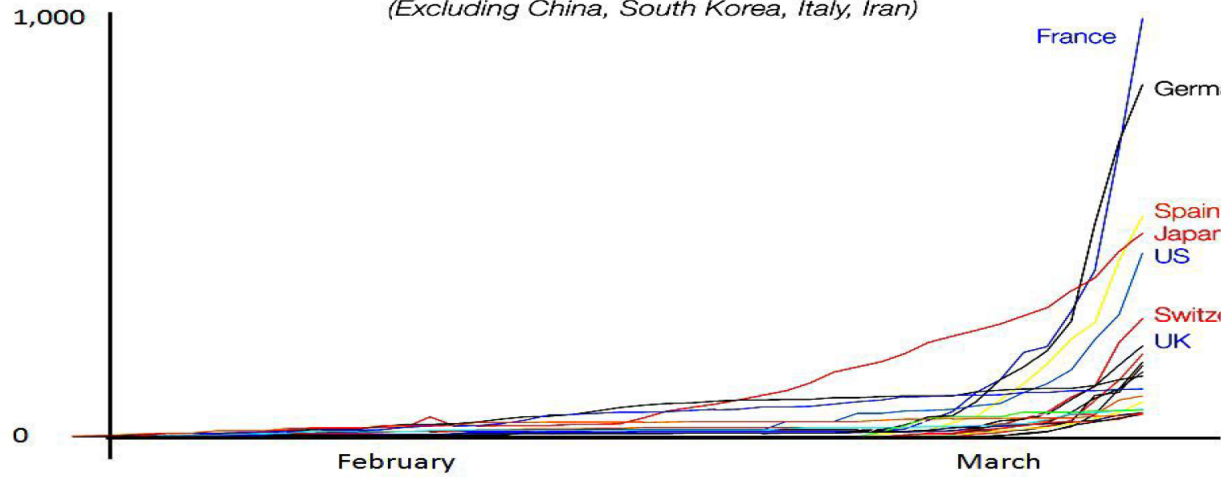


It's precisely the key thing that has given me and viewers our sense of what's really happening, whereas the rest of the world has had these "omg it's going to the moon" charts... but hey... no worries.



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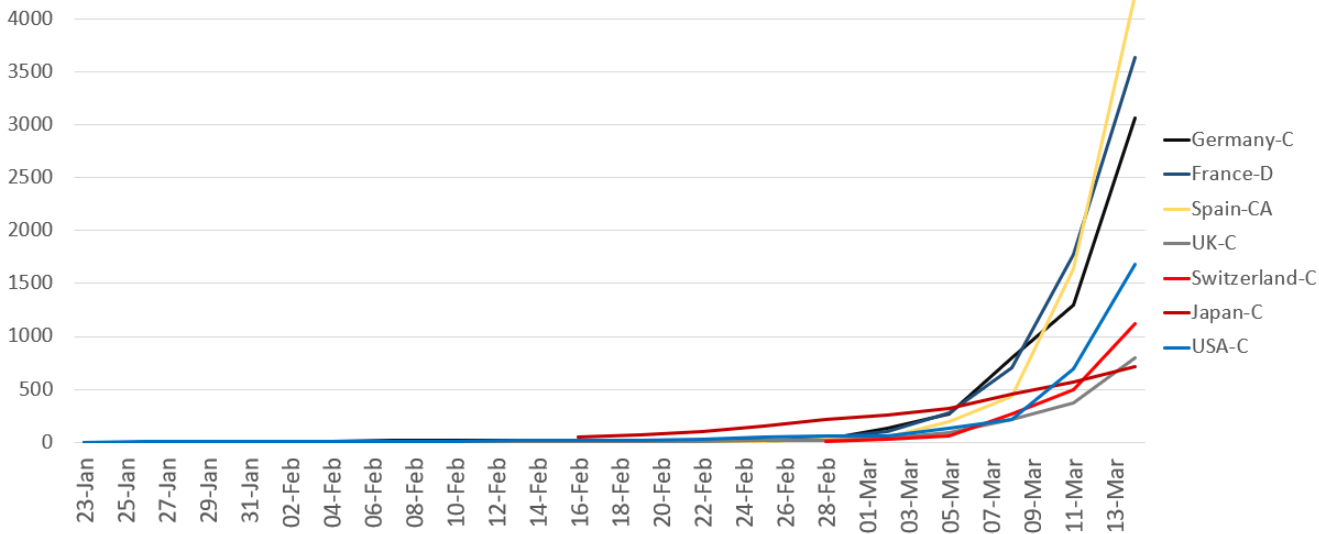
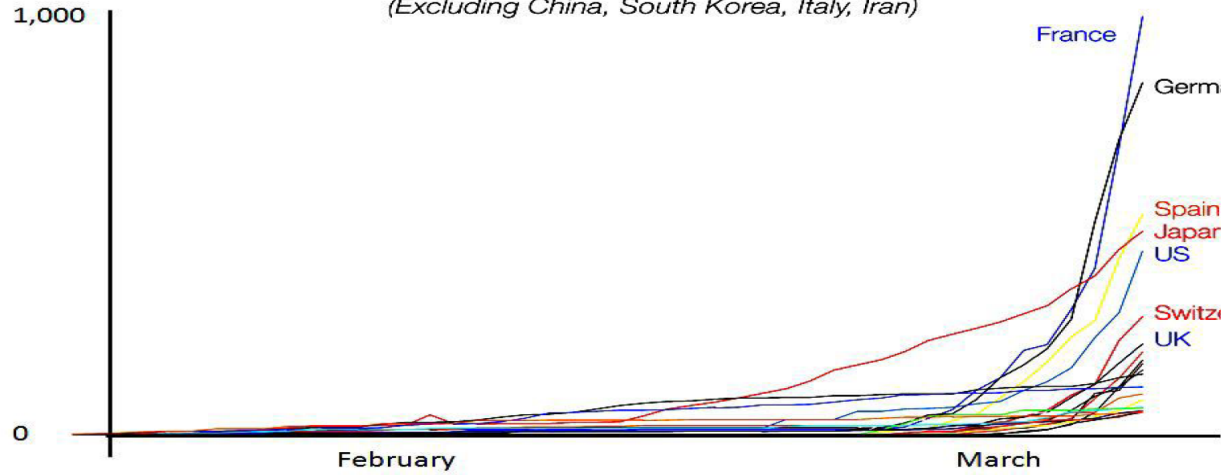
Now about that scale:
0 to 1000, with no
intermediate values...
... and what is it with our
values?

They're WAY higher than
1000, up at 3500 to 4000...
... and I'm pretty sure our
data is good.



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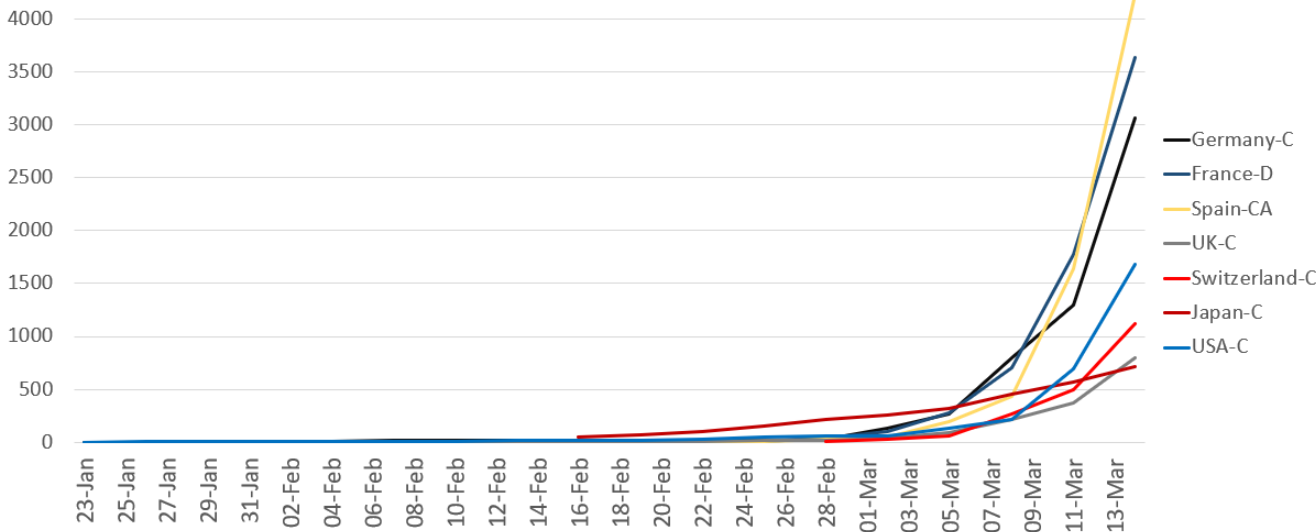
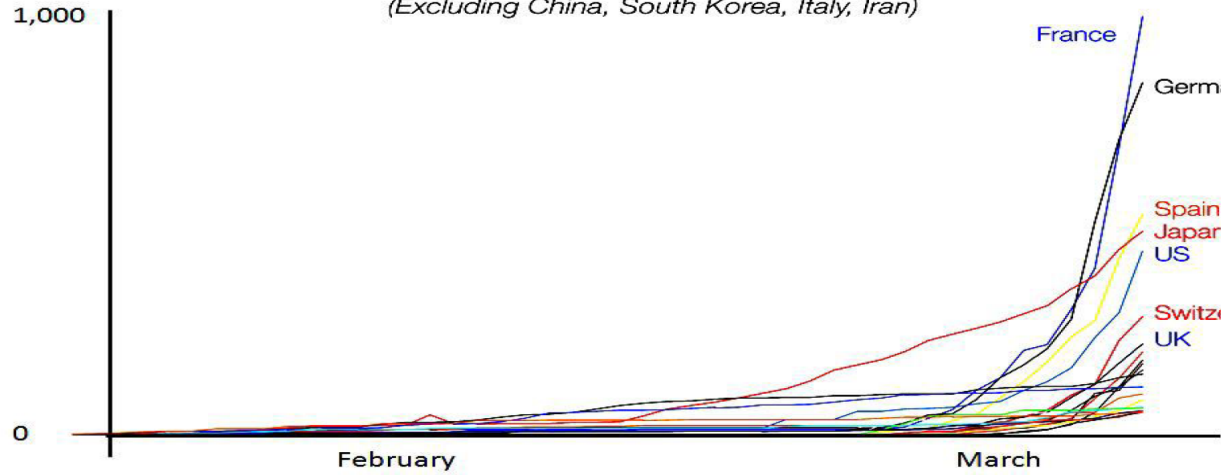


So we've got a scale with no intermediate values, a bad value at 1000, curves out of order or misnamed, and key curves missing...
 ... does that sound like the work of a Professor Emeritus?



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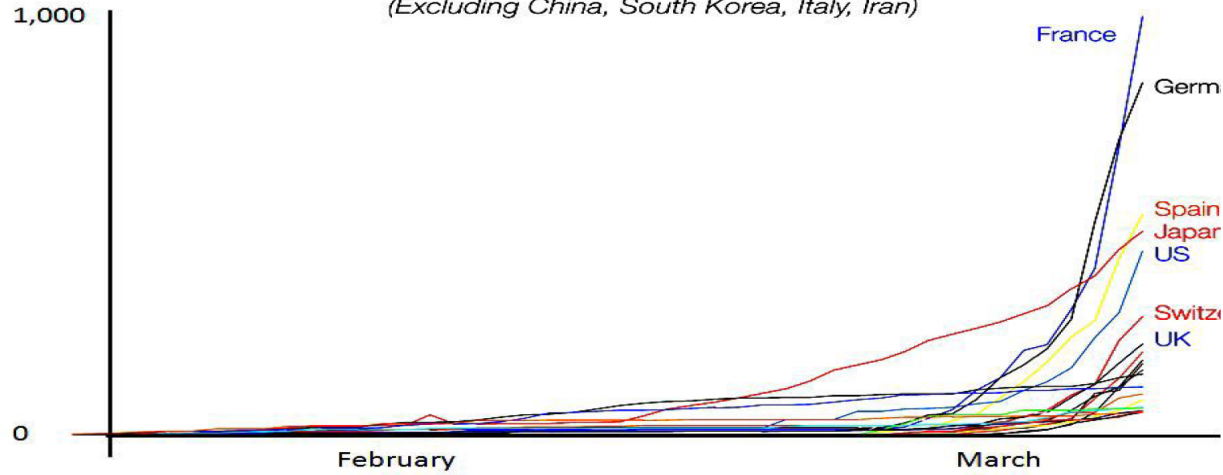


Not to mention no normalisation for population, and using linear scales which anyone with a sensible amount of maths would know to be misrepresentative for exponential charts

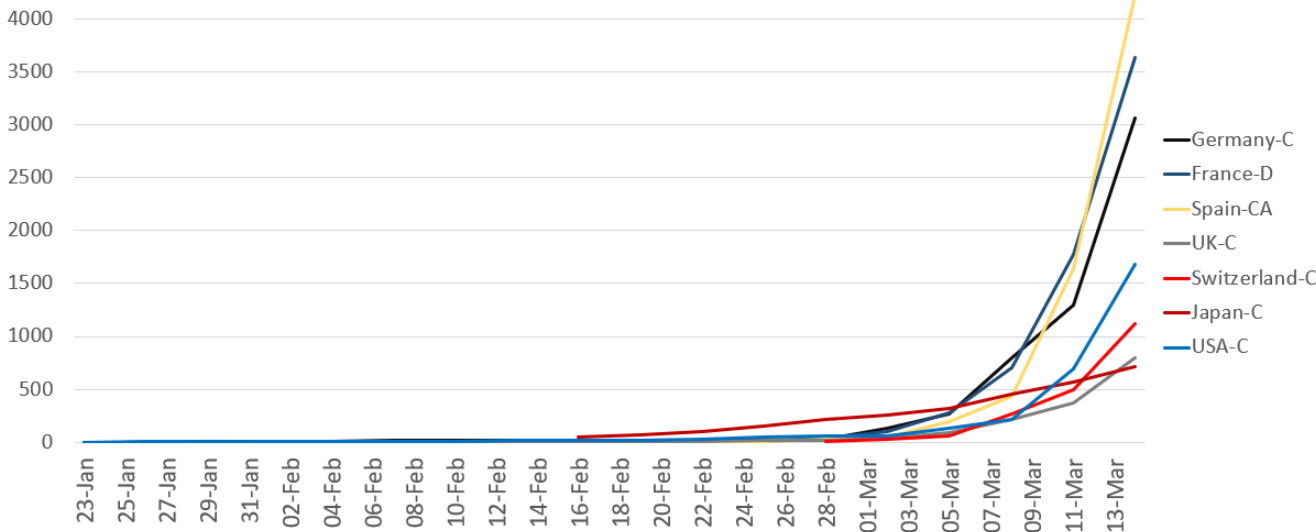


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Only an idiot would use linear charts for stock prices for example, for long term trends at least. Intraday, fine... but let me illustrate...

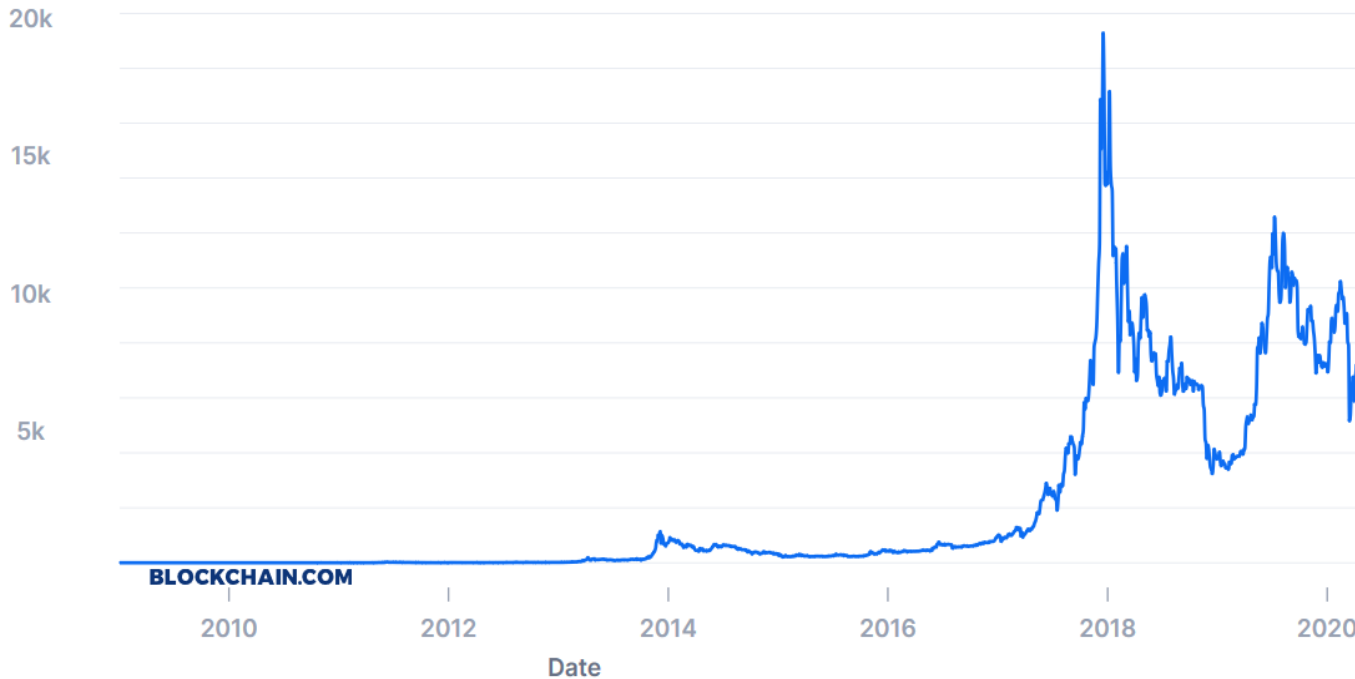




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Market Price

The average USD market price across major bitcoin exchanges.



Here's the price of Bitcoin,
on a linear chart.



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Market Price

The average USD market price across major bitcoin exchanges.



Here it is on a log chart.
It looks a lot more sensible.



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Because exponential is a straight line on a log chart, I could draw these lines, the climbing horizontal channel... and recognised when it was breaking out of the top of the channel...



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Because of log scales and that channel I rode Bitcoin all the way to the top, called the top, and paid my bills for a year...
... and you want to tell me a Professor Emeritus uses linear scales for exponential curves?



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Only if he's an idiot...

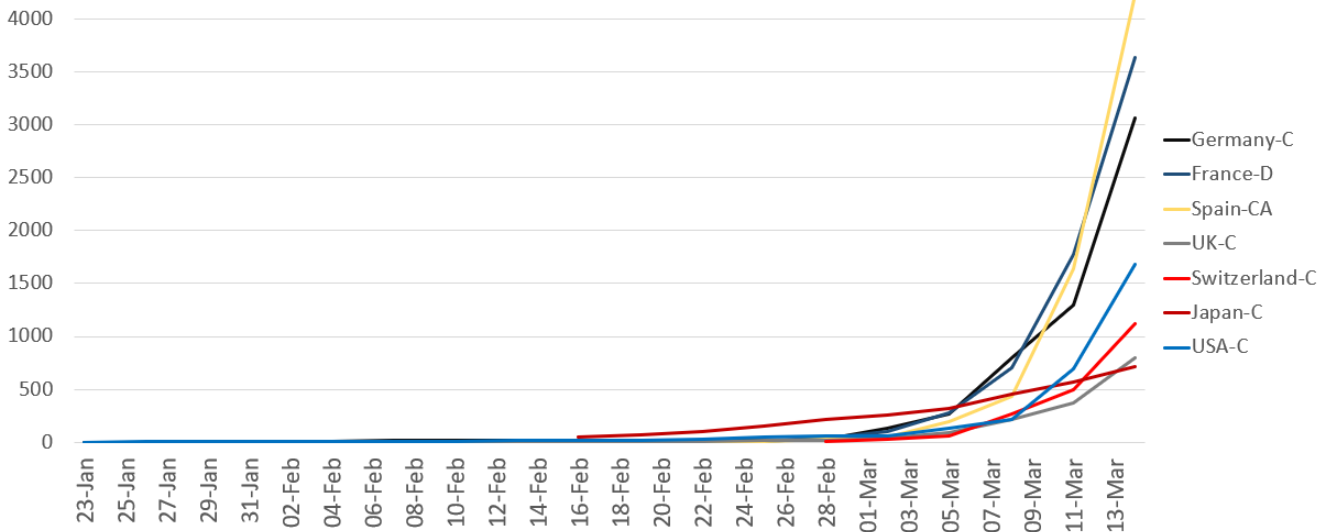
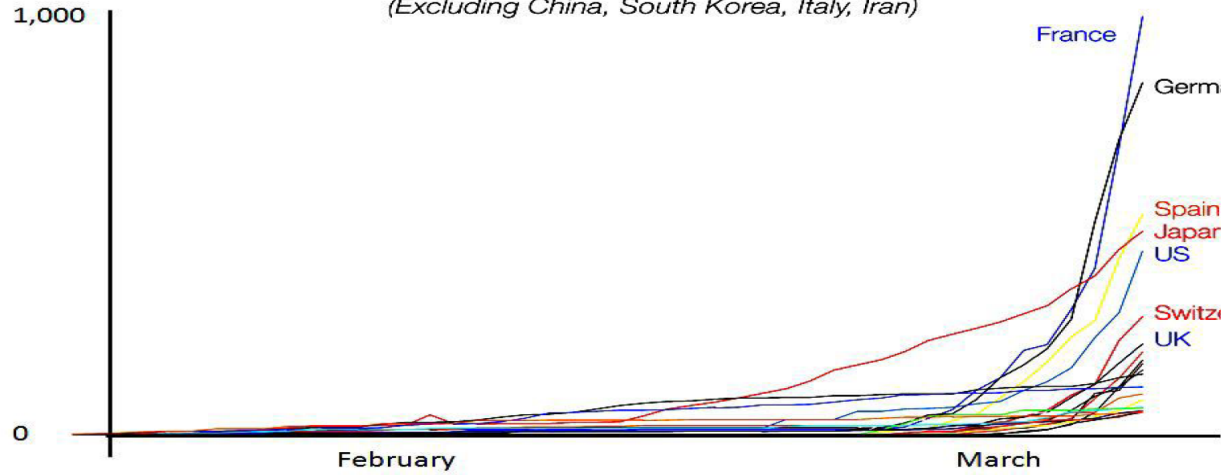
... Or...

he's talking to people, let's
use a polite term, who are
inexperienced and easily
impressed...



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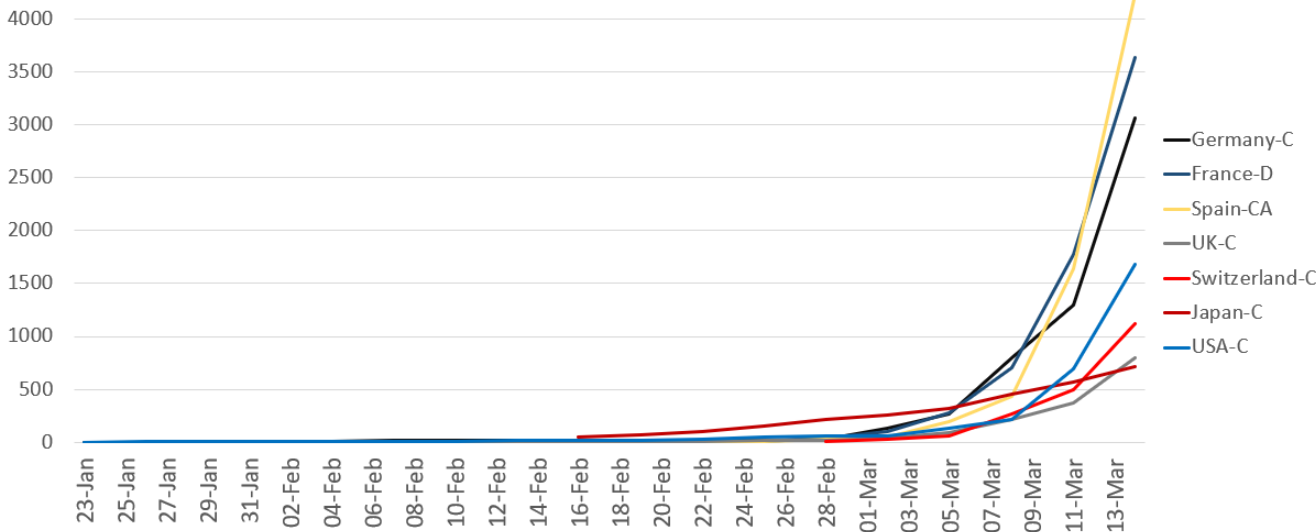
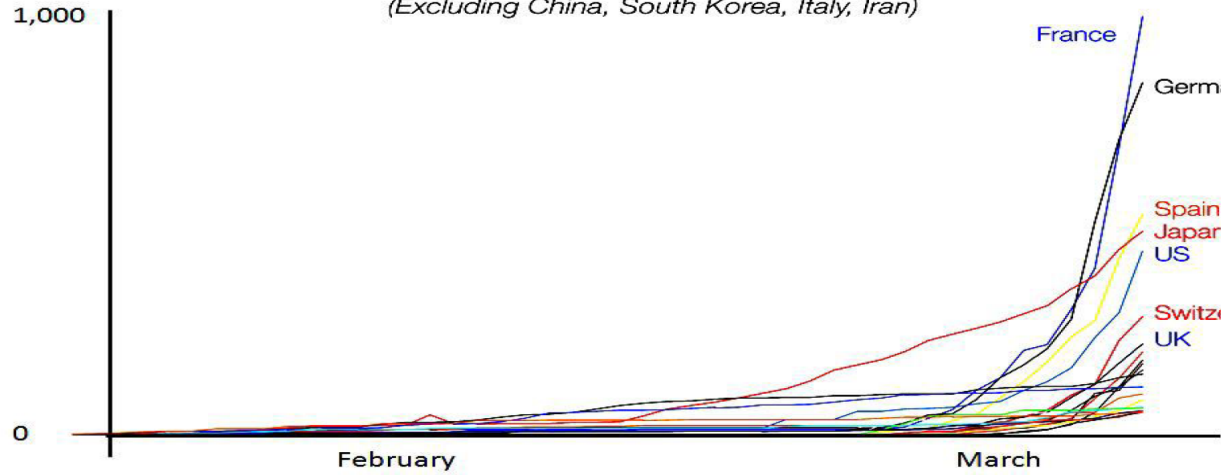


... but just in case, do you think that maybe someone decided to obfuscate that this was a linear scale? Some people might not be totally naïve. maybe it was just a bit of extra care...
... except that number is massively wrong, so not so careful after all.



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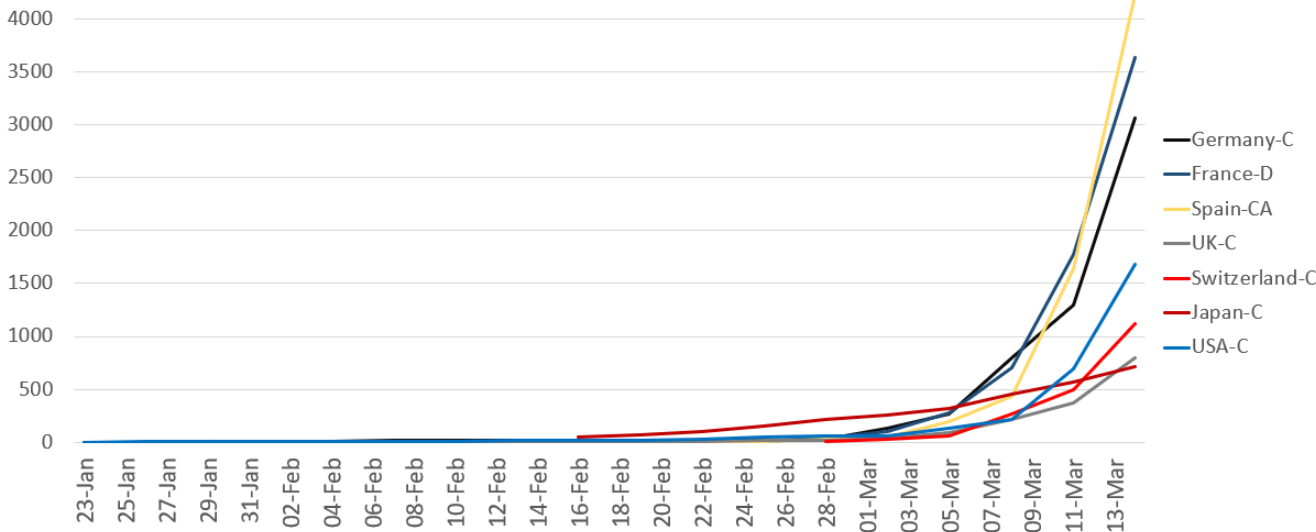
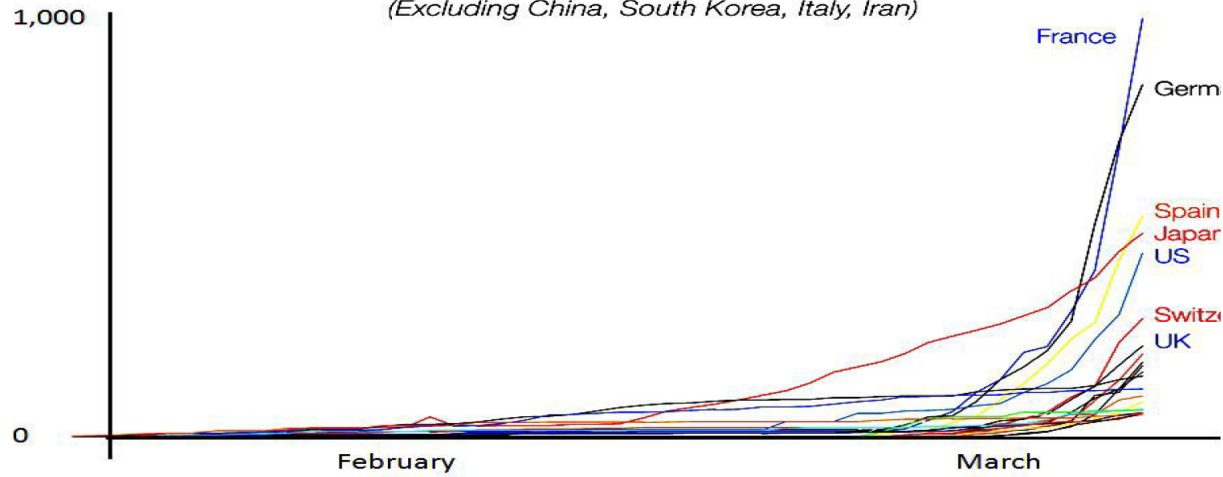


But no matter, because the bad thing that good Professor Emeritus Gary Hanington did was all at the start:
 “Excluding China, Sout Korea, Italy, Iran” ...
 ... now why would he do that?



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What's the message of this chart?

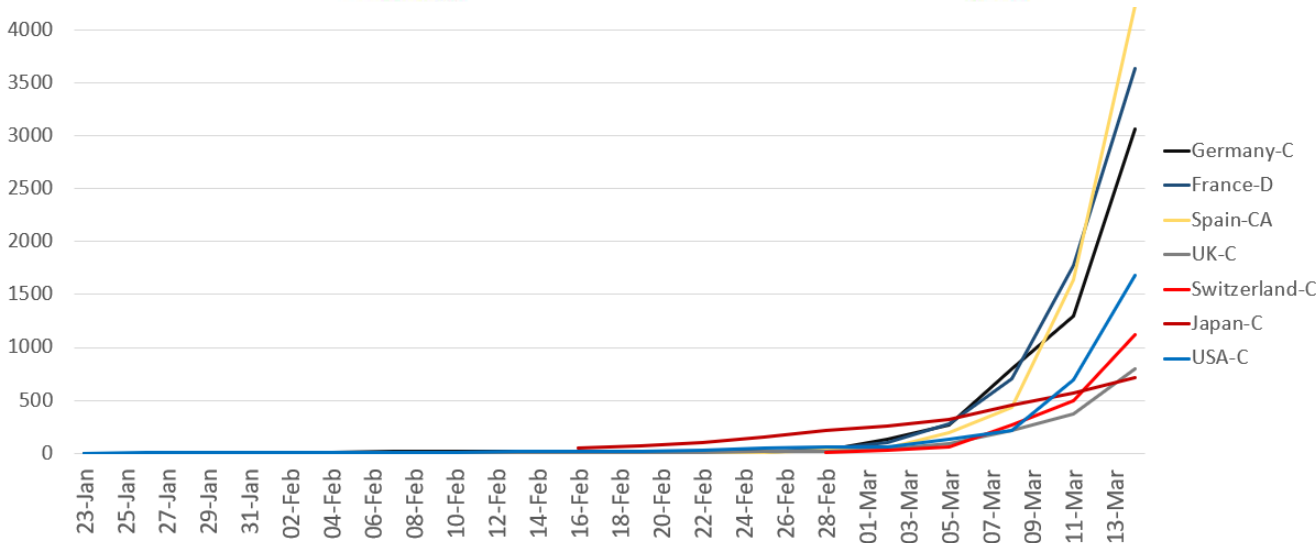
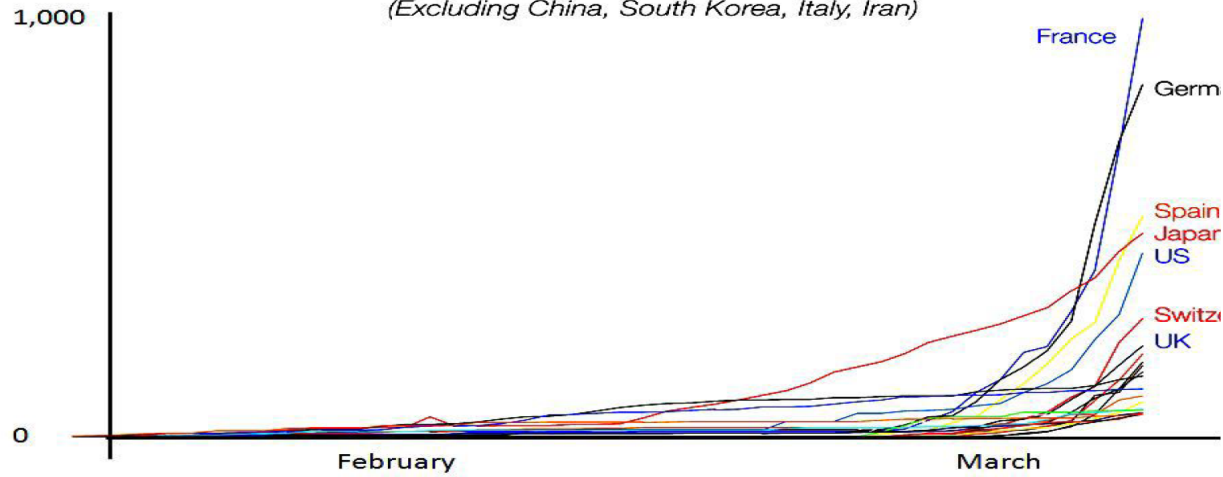
Without interviewing everyone who's viewed it, I'd say "omg look at that climb"

... and this is the virus we're talking about...



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So it's more like "omg look at that killer virus climb... .. it's going to get us all!"

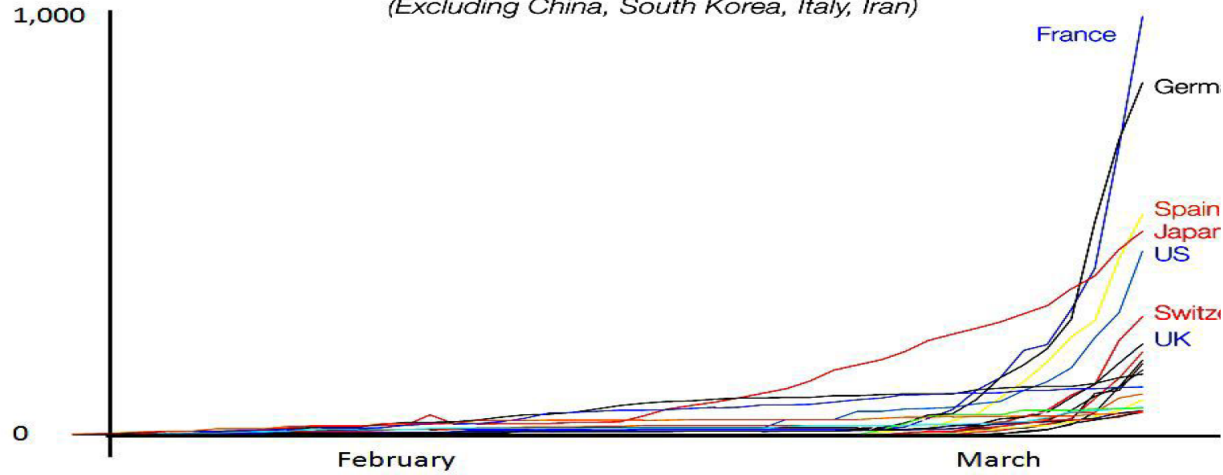
You want to disagree?

Ok... and let's just say that might have been the narrative... now what?

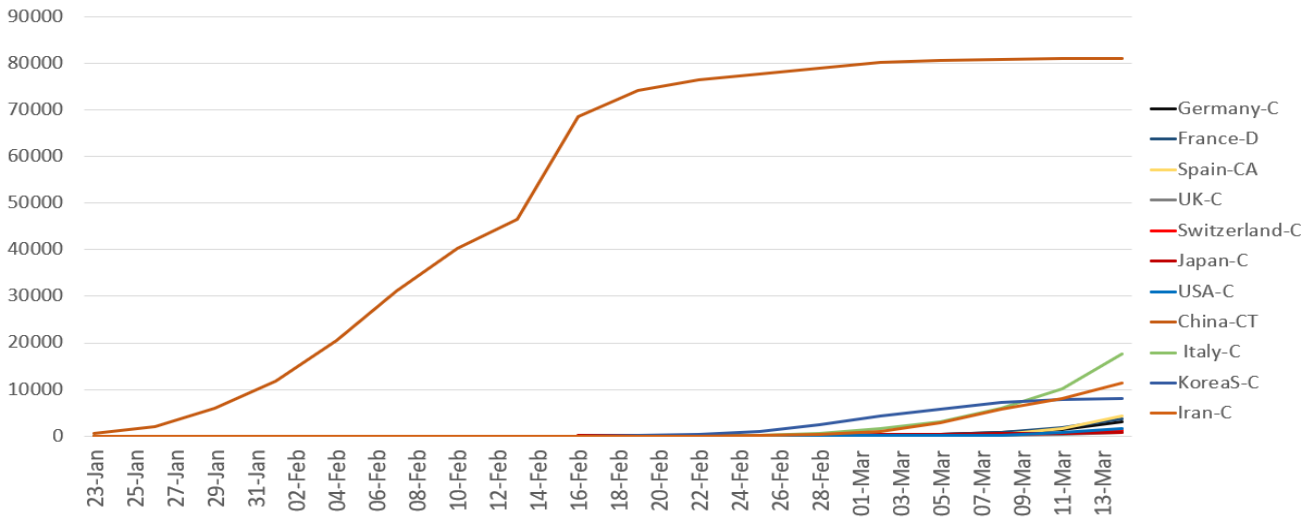


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Oops... what happened?
 Well, firstly, our scary lines
 got crushed, they're right
 down at the bottom, kind
 of insignificant.

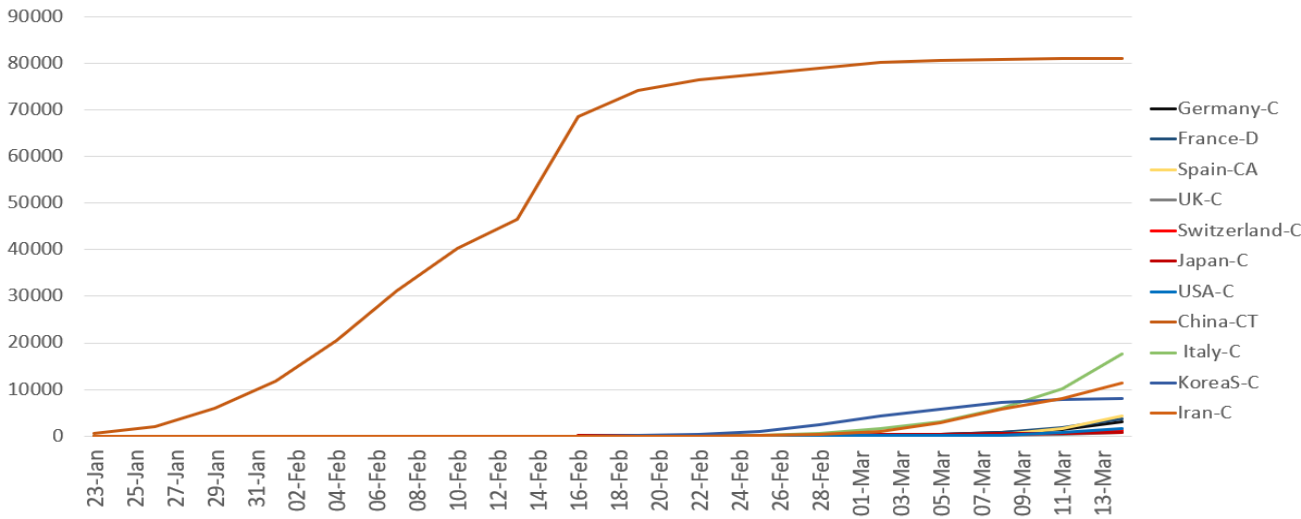
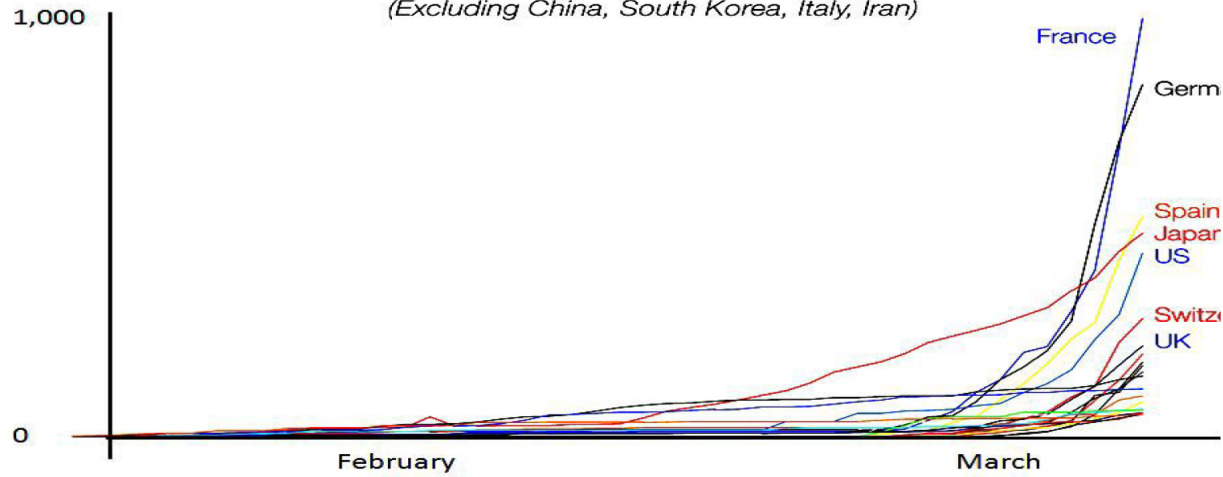


Not perhaps the message
 the Good Professor
 wanted.



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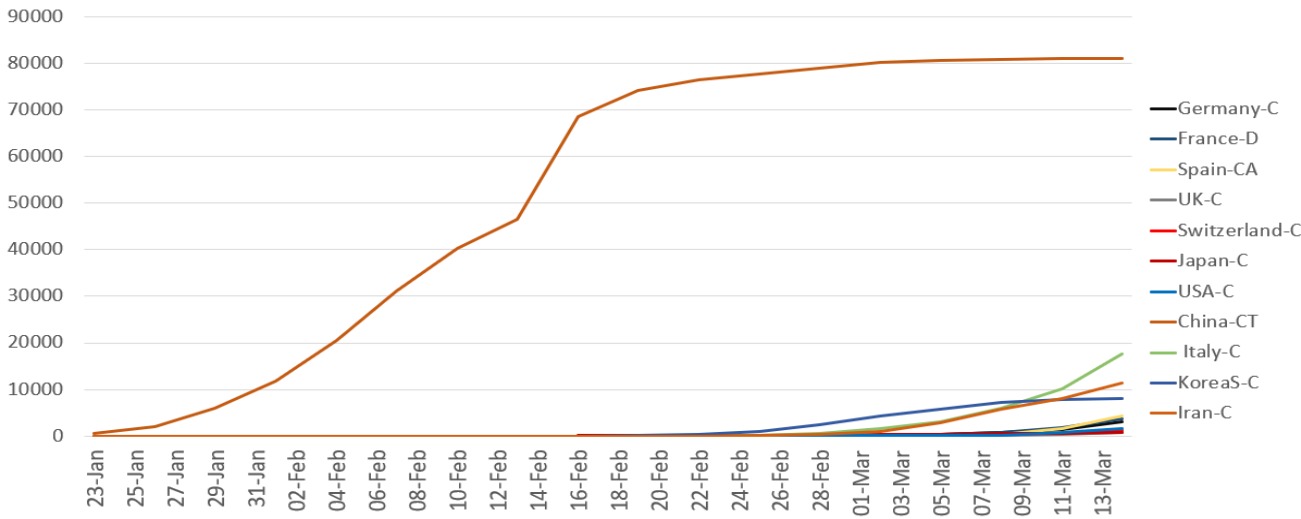
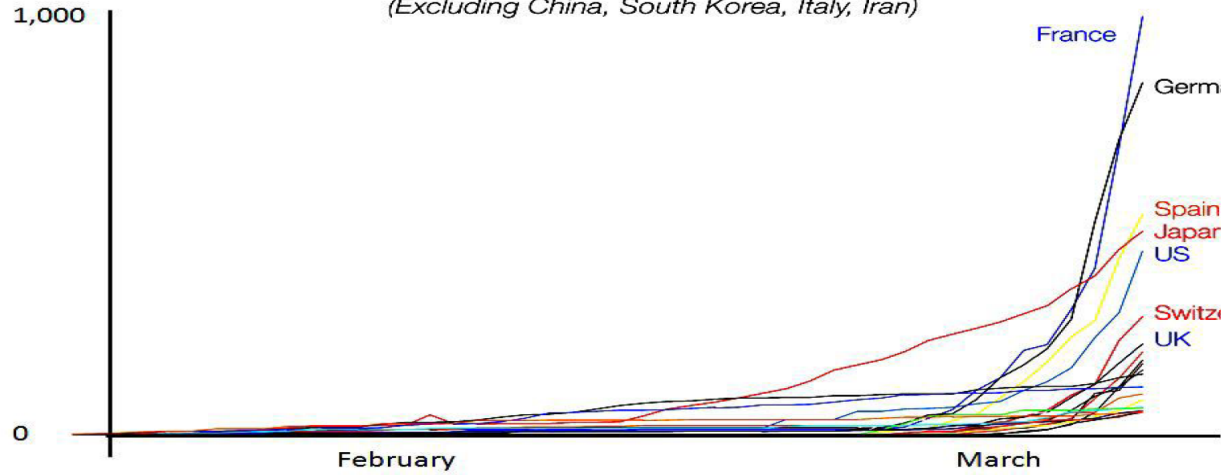


Second, what's with that flat line? Isn't this supposed to like, infect EVERYBODY?
 (Bill Gates, April 5th: "that curve would never bend until you had the majority of the people infected")



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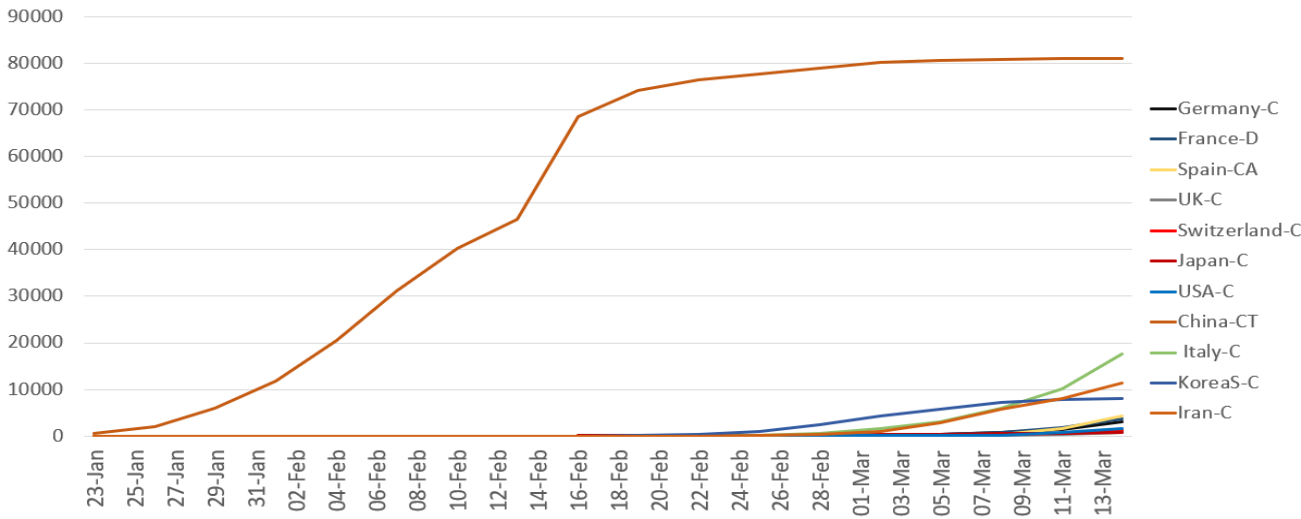
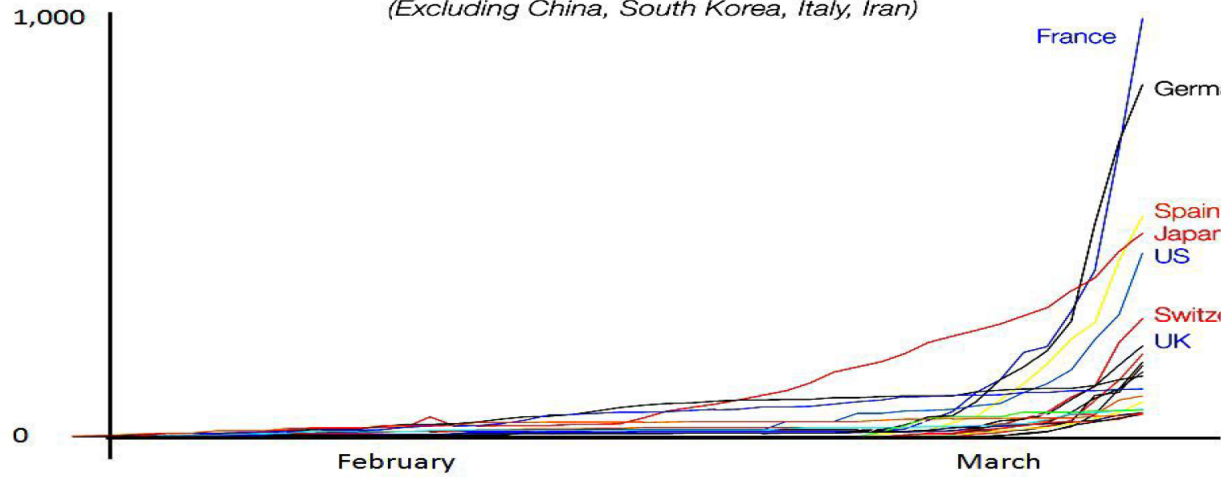


China: 1.4bn
 Infected: 81,000?
 That's like 0.0058%
 That is SERIOUSLY going to
 mess with someone's
 narrative if "EVERYBODY"
 turns out to be 0.0058%...
 ... and that's where it stops,
 flatlined, over.



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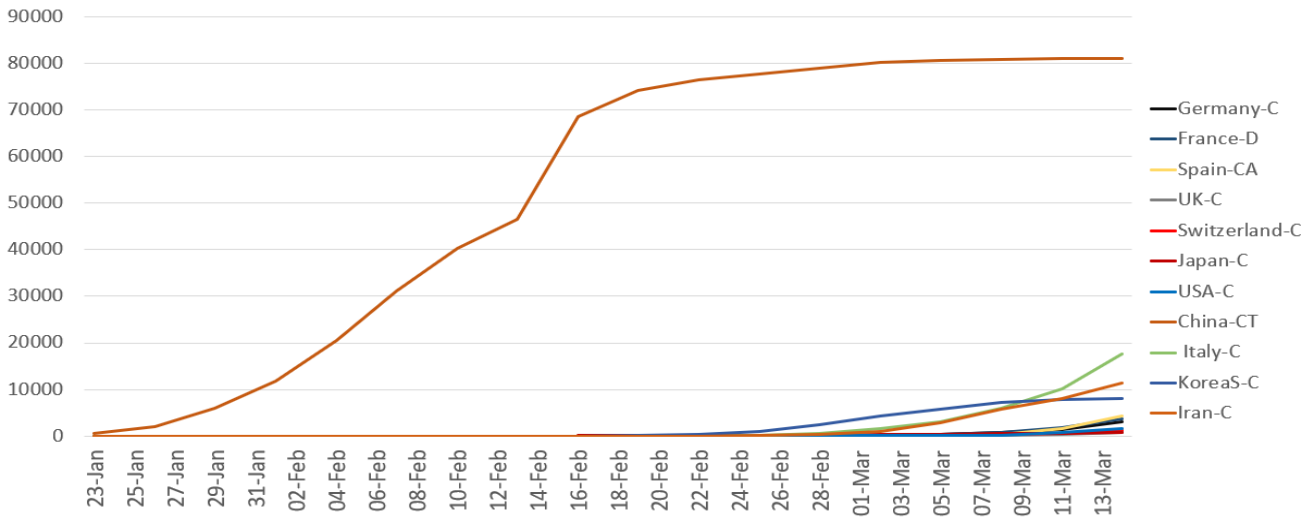
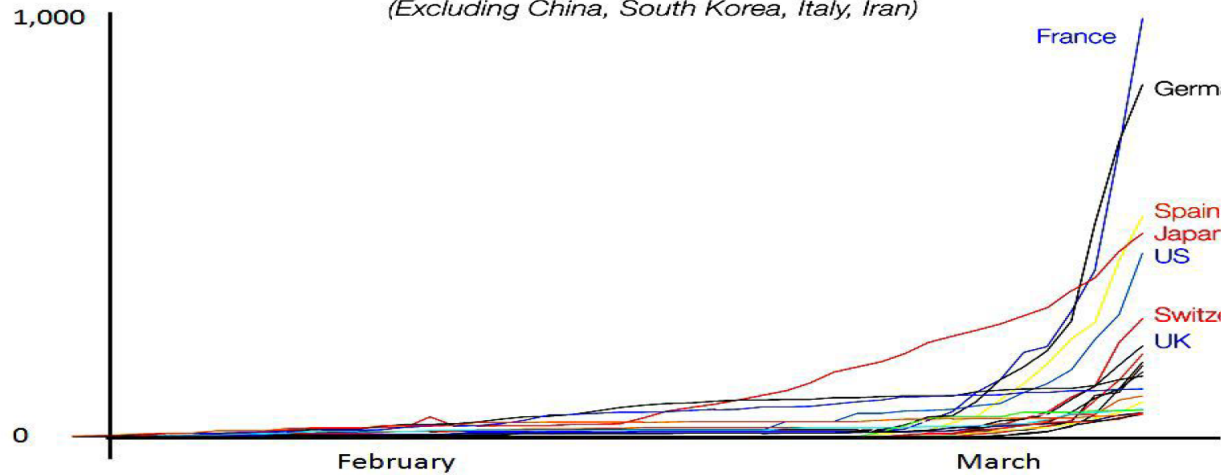


So yeah, I might want to avoid that awkward:
 a) no, it's not exponential
 b) it's over at 0.0058% infected
 problem.
 But hey, I'm sure Professor Hanington was more interested in the hypothetical exponential.



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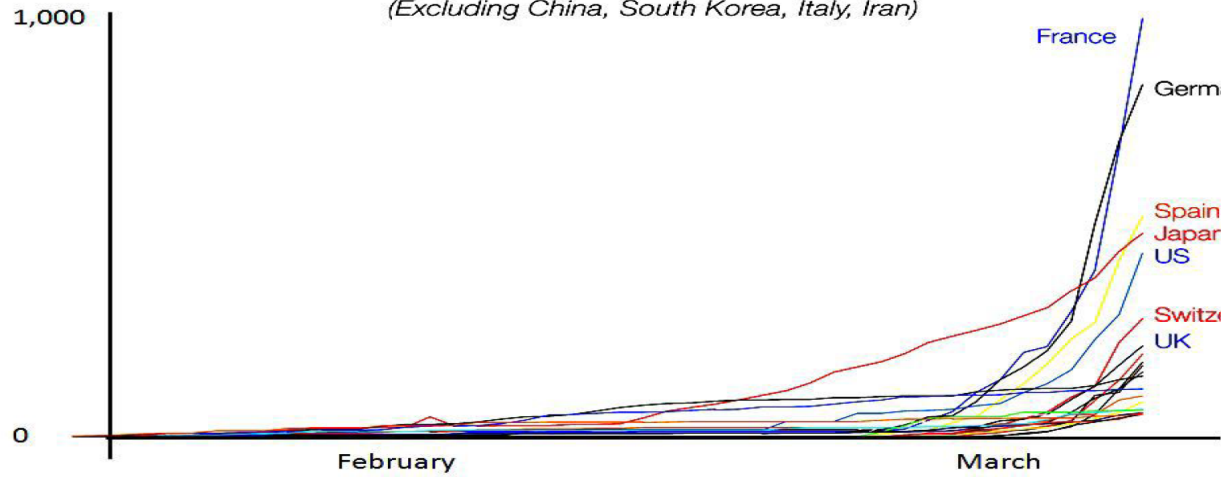
The problem is, what do you think viewers were looking for: his didactic prose (and wait till you see it), or information on the virus that was coming to get them?

Yeah... I'd go with the virus, the "exponential" virus



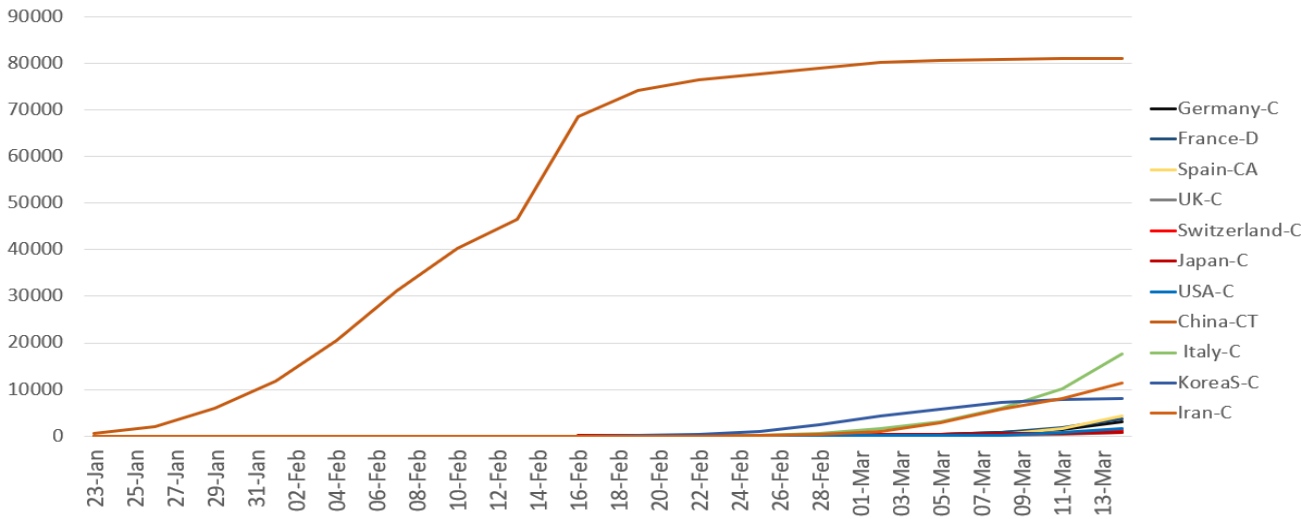
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So, smart man, he bins China... but we don't know why and we don't do theory.

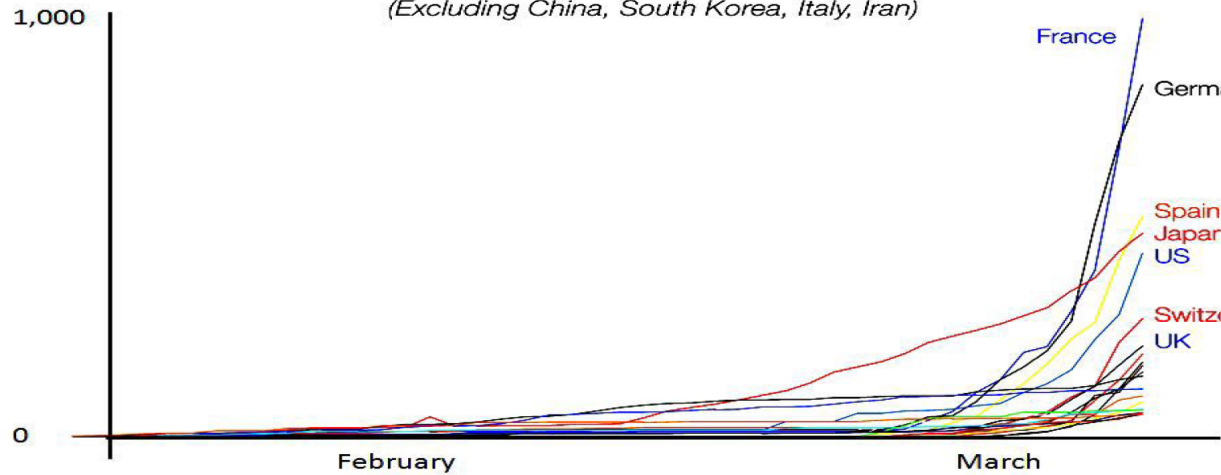
The FBI can ask him that. What does that look like? The chart, not the FBI, if we let him bin China only.



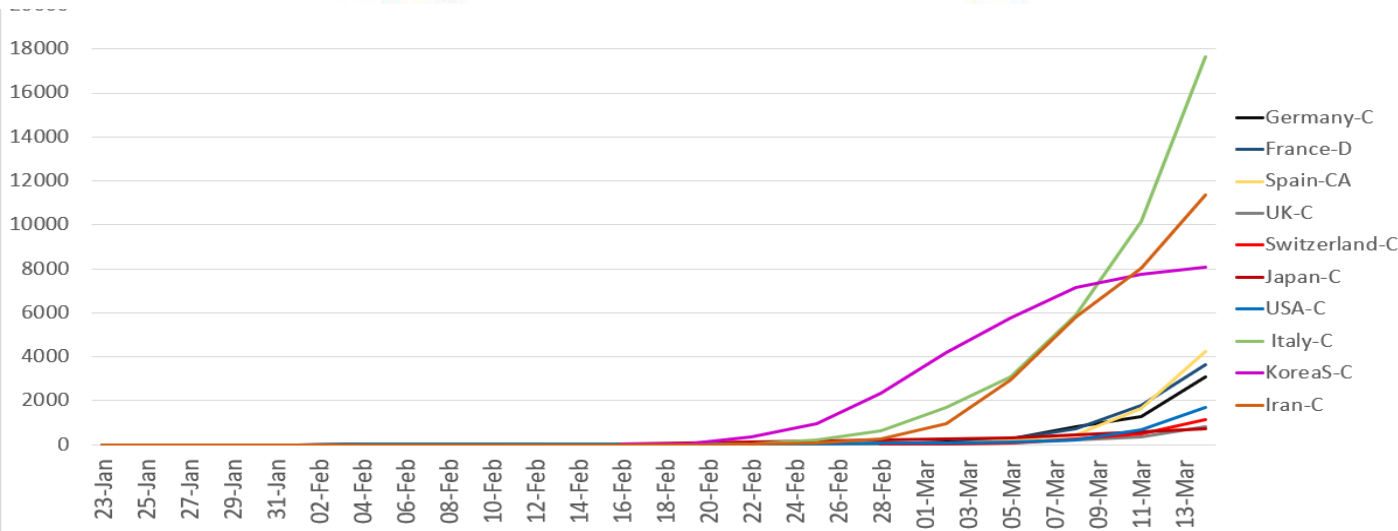


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That's much better... we're back to scary exponential... but wait a minute, what's with that purple guy?

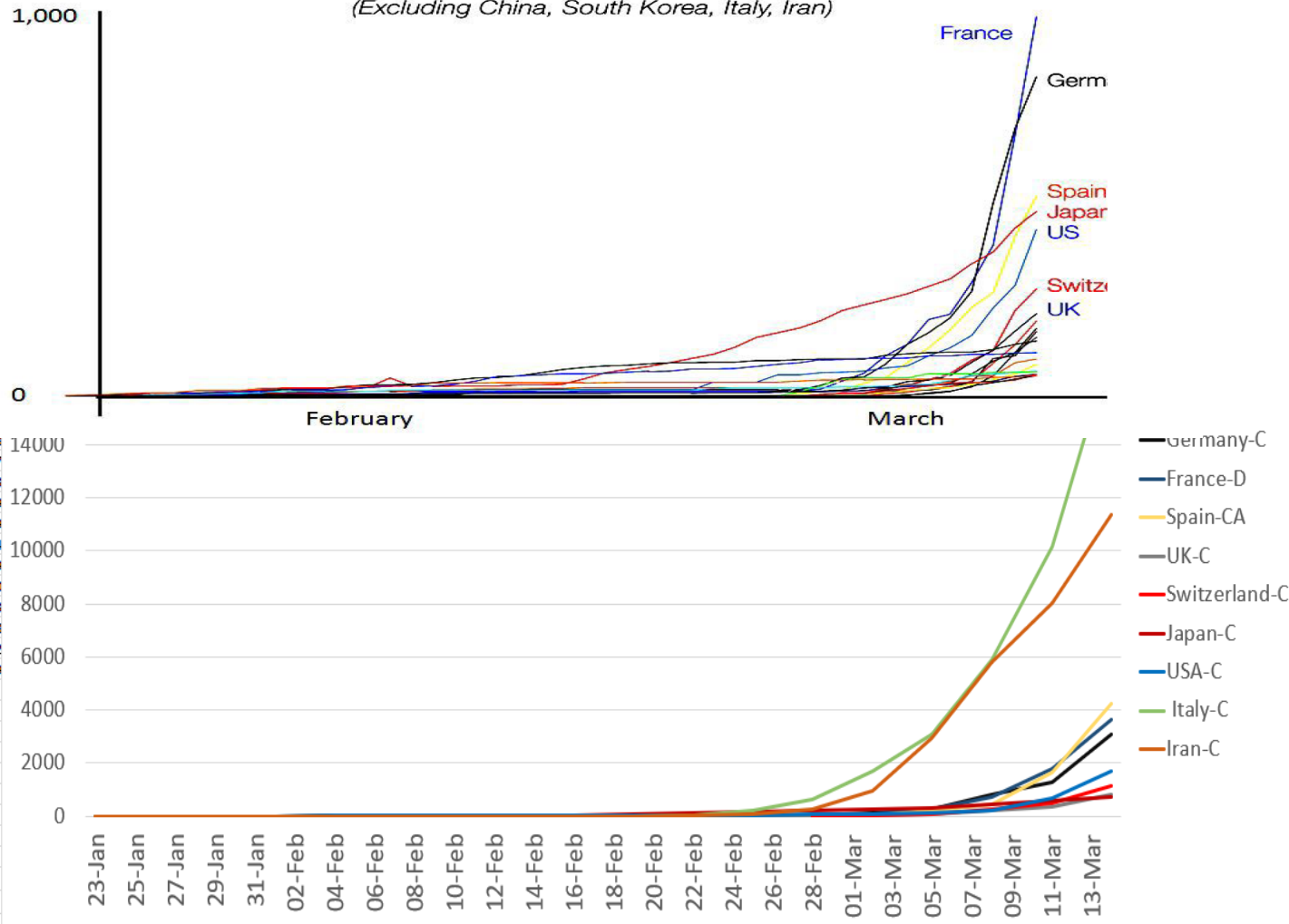


F***** South Korea...
 The damn thing's levelling off... Jesus, can someone get this stupid line OFF my chart?



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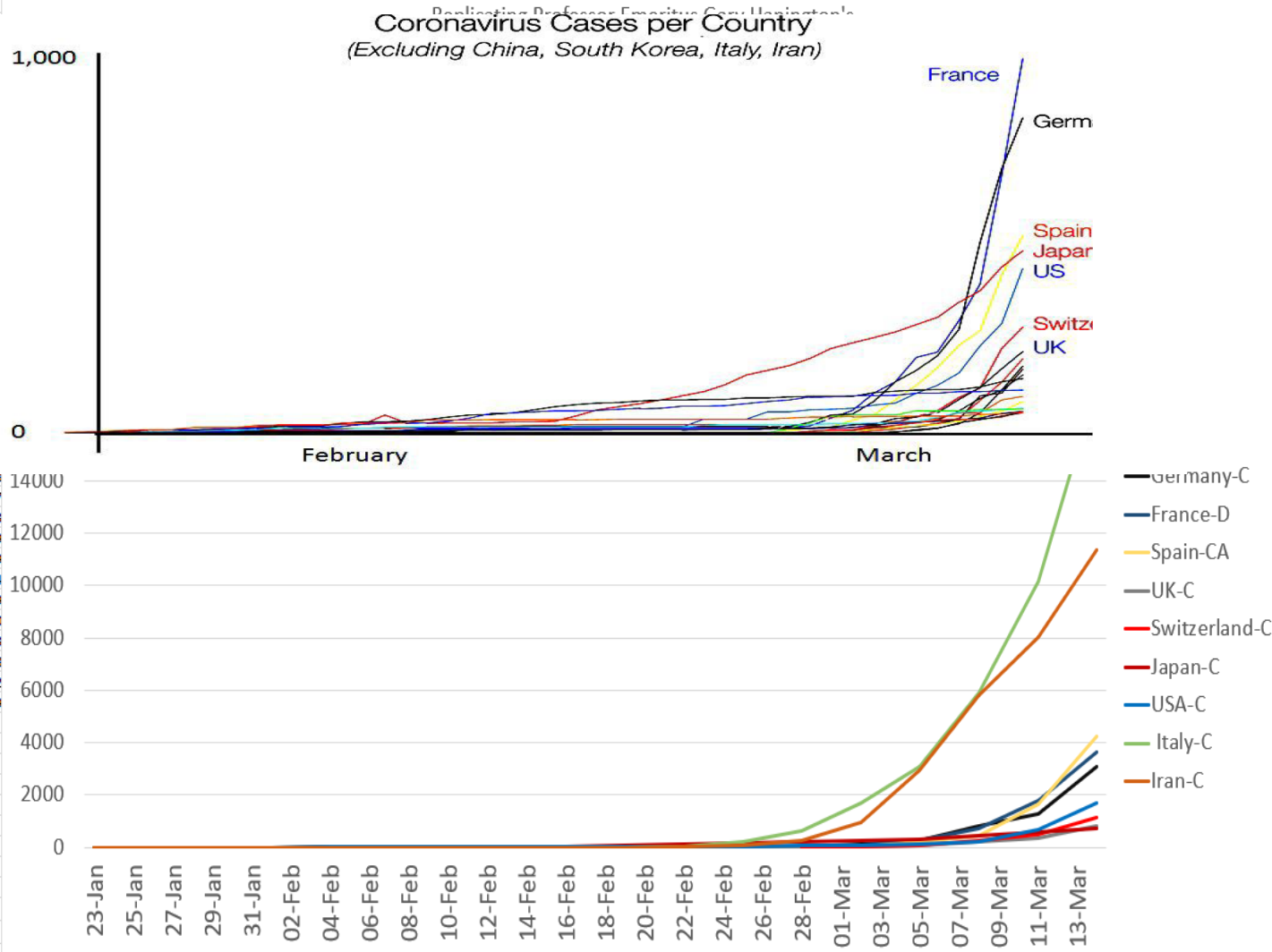
Respected Professor Emeritus Guy Haggerton's
Coronavirus Cases per Country
(Excluding China, South Korea, Italy, Iran)



Finally!
 Pure drama, screaming to
 heaven... except...
 everyone else is kind of
 wimpy compared to those
 top two... who are these
 guys that are getting
 whammed by the virus?
 Italy and Iran?



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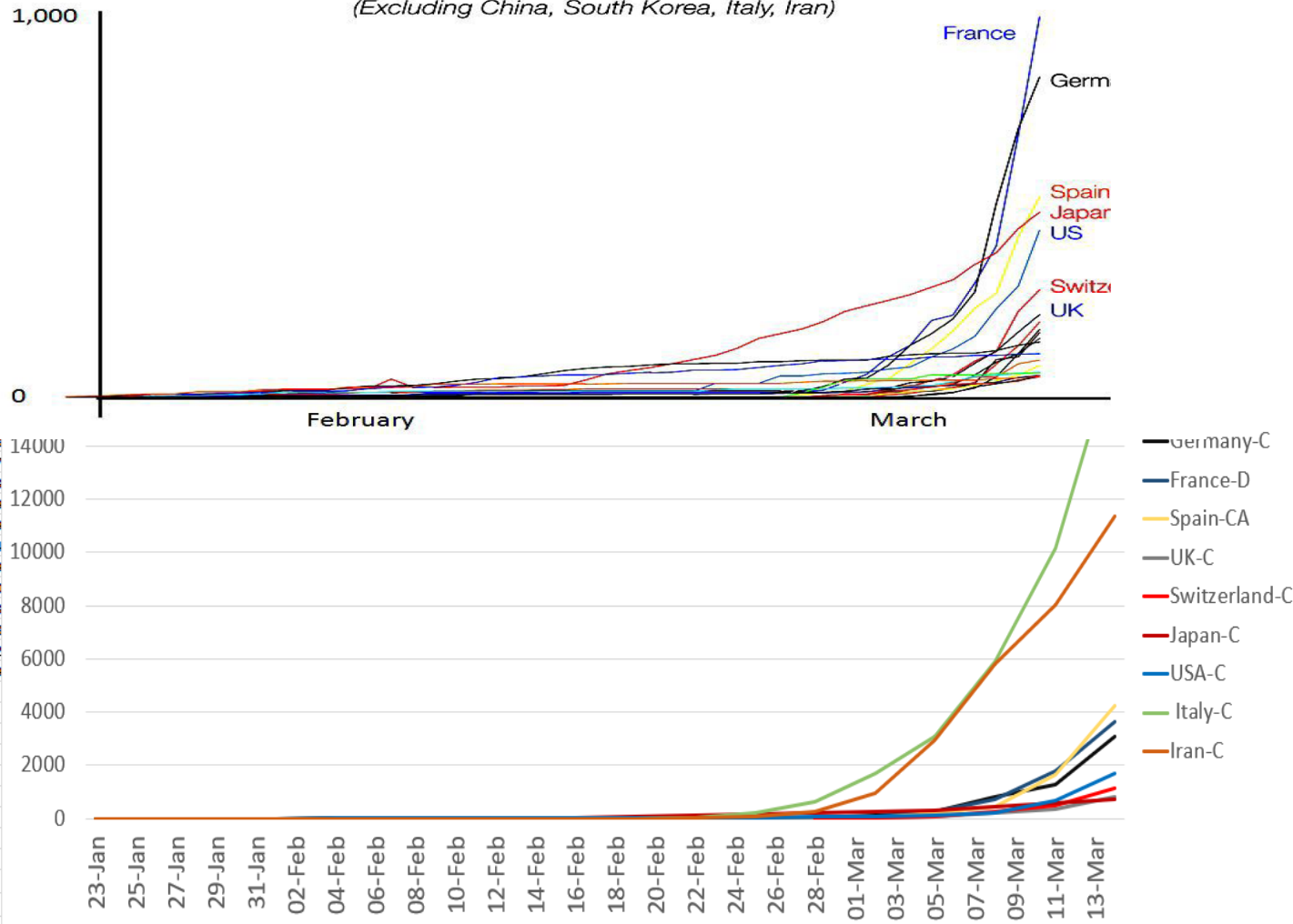


Jesus... we're trying to scare the bejesus out of God fearing Americans, and you're telling me that the people getting hit are Eye-talians and ***** Iranians? That we're getting off easy?



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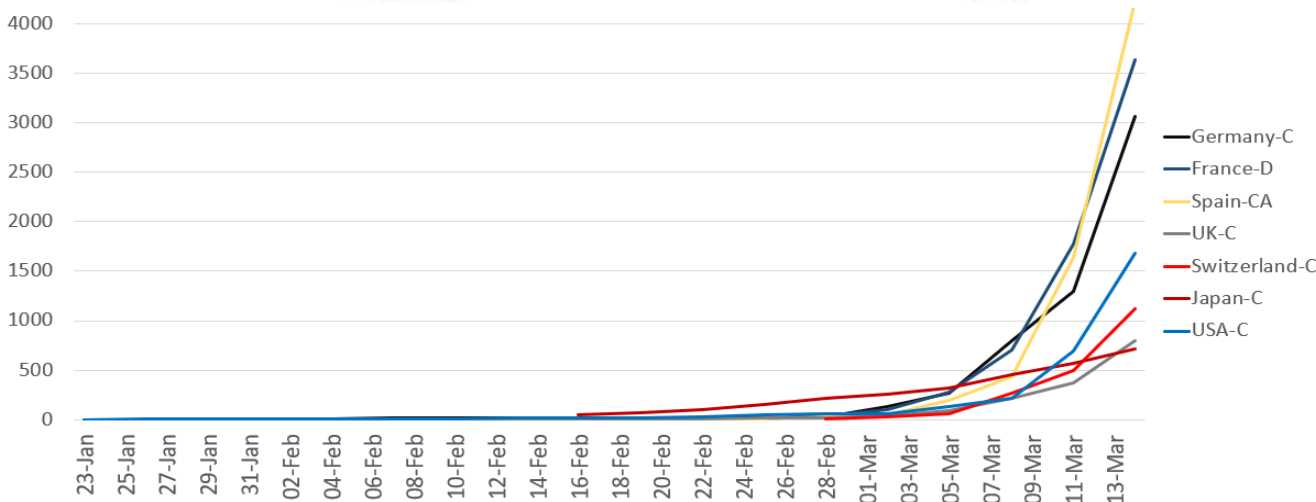
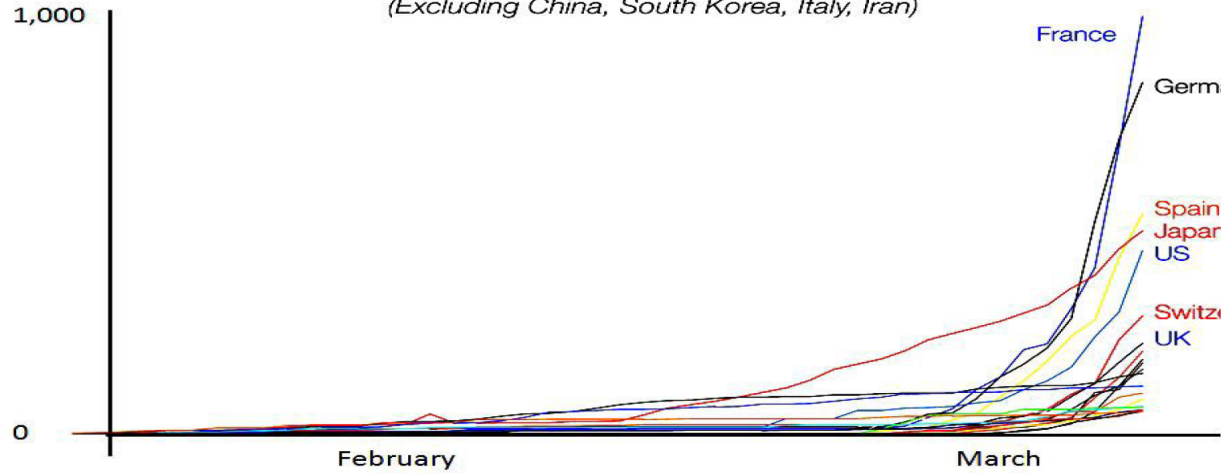


Jesus... we're trying to scare the bejesus out of God fearing Americans, and you're telling me that the people getting hit are Eye-talians and ***** Iranian's? That we're getting off easy? Get them off there!



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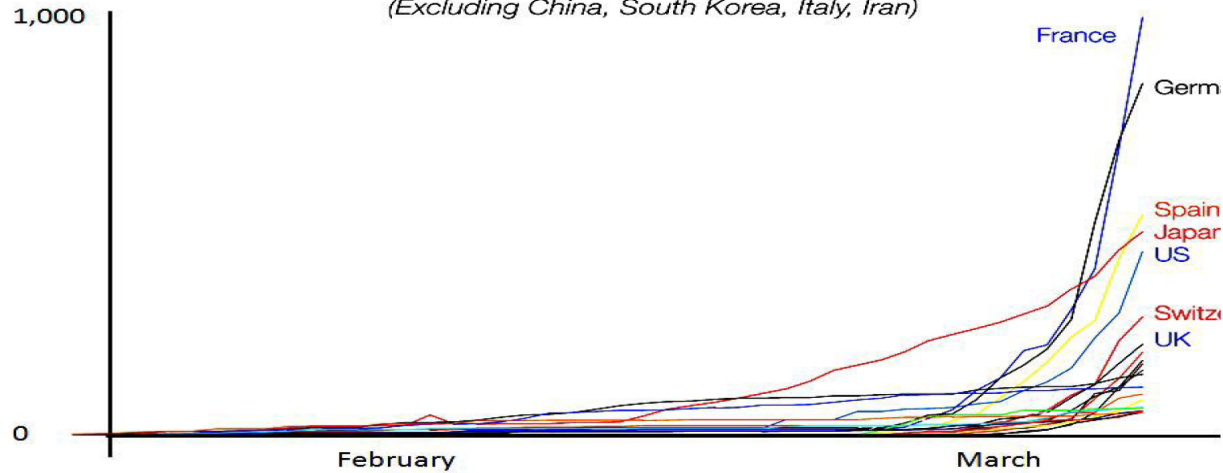


And so, the approved chart: get rid of two countries which show it isn't exponential at all and that the final cases will likely be miniscule, and make sure that the true WESTERN countries are centre stage...

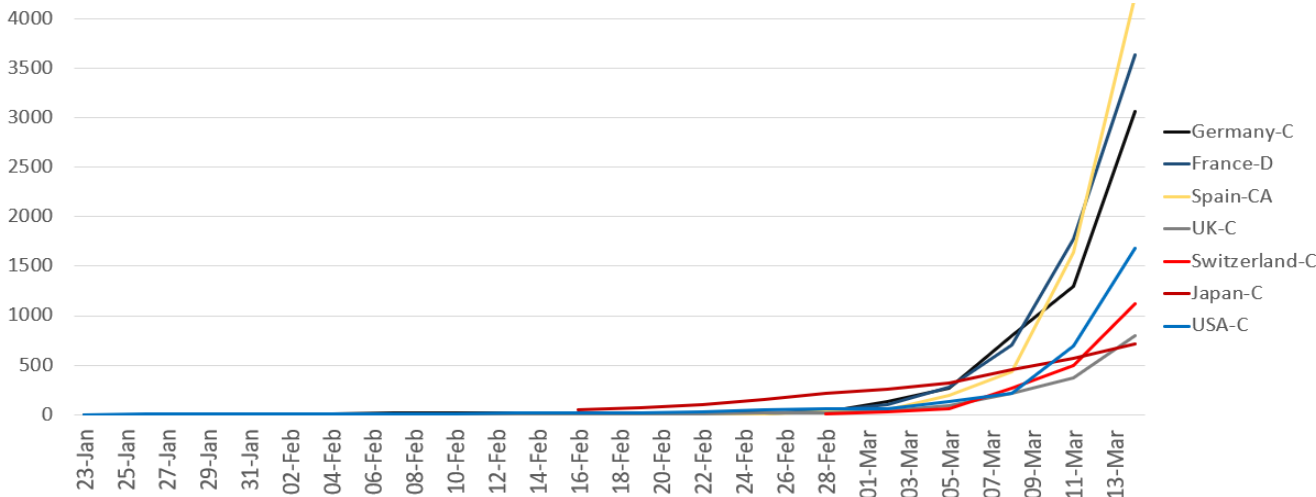


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And that's how you create
 a scary chart that shows
 the virus coming to get
 you...



But I'm sure Professor
 Hanington didn't INTEND
 to mislead, so let's see
 what he had to say...



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“This week **a lot of politicians and newscasters are saying** the Chinese coronavirus, **Covid-19, is increasing “exponentially”** in the world.”

WOAH... brilliant. Mama didn't raise no fool. He is NOT going to say Covid-19 is increasing exponentially, no sir. “A lot of politicians and newscasters are saying.” Now, if they were pointing out the sun rises in the east, would he go to the trouble of saying “a lot of politicians and newscasters are saying the sun rises in the east”? Of course not. The sun rises in the east. No **** biggie. That he takes the trouble to distance himself from it is an indicator. Simple conjecture: he doesn't want to be caught saying something he personally doesn't believe, and he's smart enough to know it ain't EXPONENTIALLY. Unfortunately (for him) just that evasion is a massive clue. We don't have to be right or prove it: that's the FBI's job, to question him. Our job is to spot that the SHOULD be questioned. He created a fraudulent piece promoting “exponential virus growth” but he's tried to present the piece as ‘innocuous’, by not HIMSELF stating that explicitly. Tough... “The POWER OF POSITIVE EXPONENTIAL + CHART OF COVID-19 GROWTH LOOKING EXPONENTIAL” => MESSAGE: COVID-19 GROWTH IS EXPONENTIAL

Irony: had he INCLUDED the omitted curves, then people would have had a chance to wonder at why some were NOT apparently exponential. By REMOVING them he reduced the chance for anyone to understand that the curves were NOT exponential. They were omitted by choice. A conscious decision had to be made. It was pre-meditated. How he explains it to the FBI is up to him, but that his behaviour is suspicious is obvious. OMITTING OR FALSIFYING EVIDENCE IS A CRIMINAL OFFENCE IN A CRIMINAL TRIAL...

... he just hasn't yet been confronted with a criminal trial. But if it's bad in a criminal trial, it seems reasonable to suggest it's bad ESPECIALLY if it misrepresents the fact leading to people consenting to actions they would not otherwise consent to.



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“Just last week there were 88 cases within the United States and now, as of today, March 12, there are 1,350. “

And that, believe it or not, is the last we hear about Covid-19. Seriously... the world's in crisis, he's just shown a chart with the Covid-19 growing “exponentially” and omitting two critical curves where it's OVER, and he's done. That's it.

Oh sorry...

“The fact that **it seems to be doubling every few days** can be modeled using mathematics.”

Again with the evasion. Not IS doubling. If he stated that, he'd be able to be contradicted, stating a fact that he must clearly know as a mathematician or Professor Emeritus not to be true. Again, it is his EVASION that betrays his guilt, or ‘complicity’ in misrepresenting the virus as an EXPONENTIAL growth risk. He's hoping that if called on it, he can point out he NEVER SAID it was doubling every few days. It's the kind of schoolboy evasion that sounds so lame as an adult. “I never said you were [x]... I just said...”. BUSTED.

Again, we don't have to prove what he knew: that's the FBI's job. We just need Americans to get in touch with lawyers to sue him for the damage done to the USA based on his and other “meme promoters” to find out just why such a smart man would choose to misrepresent basic facts that he clearly did not want to misrepresent or did not want to be caught misrepresenting.



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“This is handy because it tells us what the numbers will grow to as the days go on allowing hospitals and care facilities to plan what they will need to have to treat people in the coming days.”

Blah, blah, blah... except wait a minute... why is that familiar? March 16th... Imperial College Covid-19 Response Team, Report 9: Impact of non-pharmaceutical interventions (NPIs) to reduce COVID-19 mortality **and healthcare demand.**

Two days before a British “scientist” (I use the term loosely) reveals his Private Marketing Initiative For Mandatory Vaccines, based on the virus that’s going to grow “exponentially” “until you had the majority of the people infected and then a massive number seeking hospital care and lots and lots of deaths” (notice how the Gates interview segues so nicely), the good professor publishes an article about a virus that SEEMS to grow EXPONENTIALLY which is good to know because it will allow “hospitals and care facilities to plan”.

Is it just me, or does that sound a lot like a common narrative?

Which is fine. We will ALL I hope describe the sun rising in the east, that it’s cold in the Arctic, that the Atlantic ocean is big and wet... but when it’s not self-evident TRUTHS that are being coincidentally released across broadly separated continents, yet in a similar timeframe, but lies... and these are lies, I’d hope that by now you’ve recognised that, then that triggers alarms. Just because you’re paranoid doesn’t mean they’re not out to get you.



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A Professor Emeritus takes the trouble to author a piece that basically is drivel (wait till we get to it), but has TWO KEY THINGS, the only two things that the piece REQUIRED, I suggest: a TITLE mentioning EXPONENTIAL and a CHART showing the Covid-19 growing EXPONENTIALLY.

Get the meme out there... and how much did we see of that, and if you search on “virus exponential growth” or similar, there’s a LOT out there. As I’ve always said: the more they do, the more they incriminate themselves, and here’s a perfect example. They LIED because they wanted us SCARED: a) be scared b) stay in your homes c) wait for the vaccine. It’s not rocket science, and it’s they’re STATED agenda, not my theory.

But that it’s based on LIES is a MASSIVE advantage we have, because the LIES are like fluorescent paint on banknotes, they are MARKERS to show who should be questioned. An eminent PROFESSOR EMERITUS tells absurd porkies that his own writing and conscience won’t allow him to state bluntly: you want to find out WHO SUGGESTED HE WRITE THAT PIECE and WHY HE ACCEDED TO THE REQUEST.

So.... yeah, that really is the end of the covid stuff...

“Because a great deal of physics can be explained by using the exponential function it is good to understand how it operates.

You don’t need much training in mathematics to use the “e to the x” button on your scientific calculator or I-phone.”

... blah blah blah

Slide 167

is a friendly function. Students usually first see the exponential equation when taking calculus because it easily provides solutions to loads of differential equations that govern our world. For example, when you pour out a cup of tea it cools off in temperature according to



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“It is a friendly function. Students usually first see the exponential equation when taking calculus because it easily provides solutions to loads of differential equations that govern our world. For example, when you pour out a cup of tea, it cools off in temperature according to a negative exponential with respect to time:”

Like, you’re shitting me...

“Temperature = Tinitial e -kt

where k is some parameter that depends on the size and shape of the cup and the coefficient Tinitial is the starting temperature of the tea at time zero. Because the “e” function raised to a negative value is inherently less than unity the temperature of the tea will fall as time goes on. The negative “e” function is found everywhere in our world that include such diverse areas as chemical reactions to electronics to statistics.”

... we’re in the middle of a global crisis threatening 510,000 UK deaths (ICCRT) and 2.2m American deaths, and this fool is going on about the f***** “e” function?

“You cannot make a “bell curve” without it.

It is interesting to ask why the exponential function has this ability to fit many physical systems and the answer is simply that the slope of the curve is equal to the exact value of the curve at any point. “



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“This strange behavior only occurs when $e = 2.7182818\dots$ and was discovered by Leonhard Euler, the pioneering Swiss mathematician and physicist in the 18th Century.”

No, seriously, you need to hear this...

“Notice that the above temperature equation has a negative exponential. In fact, almost all systems use the negative exponential. The positive exponential function is rarely found because it “blows up” too quickly. Just try putting in “e” to the 231 in your calculator and it cannot even handle it.

Consequently, the positive form is only used to model explosive situations, for example the explosion of gunpowder shooting a bullet or a chain reaction in an atomic bomb. When the technicians pulled out the control rods in the nuclear reactor at Chernobyl, Russia on April 26, 1986, (and had blocked the fail-safe pumps from coming on) the reactor jumped from low power to over 30,000 MW within a few seconds. This was a positive exponential if you plotted the reactor temperature as a function of time.

The nuclear reaction released 40 billion joules of energy in the blink of an eye.”

Yeah, wow, now I’m really scared... like, virus, Covid-19... anytime now would be good.



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“But I don’t want you to think that all positive exponential reactions are bad.”

Oh heaven forbid

“There are a few positive exponential relationships can be modeled that are stable and inwardly beneficial to mankind. One of them is the approximation for continuously compounded interest:

A = Pert

When you put money, P, in an interest bearing account, the amount, A you will have increases exponentially with time. In this equation r is the rate and t is the time in years. If your ancestors had invested a penny in 0 AD, at the rate of 2% per year, it would be worth about \$ 3,511 trillion today. You would be three times richer than Jeff Bezos!

Is this guy serious?

Very. Because he knows that he cannot possibly write a full article on the exponential growth of the virus because it’s a) not exponential and b) he’d be leaving himself wide-open for lying through his teeth in support of the biggest crisis to hit the domestic United States in its history short of actual Civil War... but here’s the bad news Gary Hanington... you DID lie through your teeth in constructing your own “dodgy dossier” because it doesn’t require semantic nit-picking: it only requires intent to deceive, and it will be for a jury to decide on that.



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I won't bother to read this out, but yeah, "friction of rope wrapped around a post." Seriously. This guy did NOT want to be caught saying ANYTHING incriminating about the virus, and that is INCRIMINATING in its own way... maybe not quite "the dog did not bark", but pretty close.

"Another useful positive exponential function is the one involving friction of rope wrapped around a post. The amount of holding force, H , that can be applied to the rope without it slipping, increases as a positive exponential function involving the number of turns around the post, N :

$$H = e^N$$

If, for example, you want to pull out an old tree stump with your truck, putting four turns around the stump gives you over seven times more gripping force than just two turns."



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Now, time to round it off, and he has to pretend it's been about the virus, so...

“So, the powerful positive exponential can be both good and bad. Concerning the present virus outbreak in our country, it **looks** quite bad. **If** it continues unabated, and (**according to data published in an article by Tomas Pueyo of Medium**), **the number of cases double every three days**, the timeframe for 100,000 cases in the US is about March 31st and one million cases is April 10th. **Plan accordingly.**

Evasion: “looks”: he never says it is or will be bad.

Evasion: “if” it continues unabated (and according to someone else, not him, the number of cases double every three days)

... and can you f***** believe it?

His considered response after telling us about ROPE TWISTING and wasting an entire f***** article on nonsense is to summarise sensible measures, critical measures, society destroying measures as: “plan accordingly”?

In a way, it's the most telling of all: it's “don't look at me. I just wrote the article I was told to write.”



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“Gary Hanington is Professor Emeritus of physical science at Great Basin College and chief scientist at AHV.”

For a little while longer at least.

“He can be reached at garyh@ahv.com or gary.hanington@gbcnv.edu.”

So there’s no excuse for the FBI not to be able to find him.



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NOTICE TO FBI

Professor Emeritus Gary Hanington

MISREPRESENTED KEY FACTS ABOUT COVID-19

in an article

DESIGNED TO MISLEAD AND GENERATE FEAR

among other persons similarly tasked such as

PROFESSOR FERGUSON OF IMPERIAL COLLEGE, LONDON

to encourage compliance with measures which would

CURTAIN THE RIGHTS OF CITIZENS

and

DO MASSIVE DAMAGE TO THE AMERICAN ECONOMY



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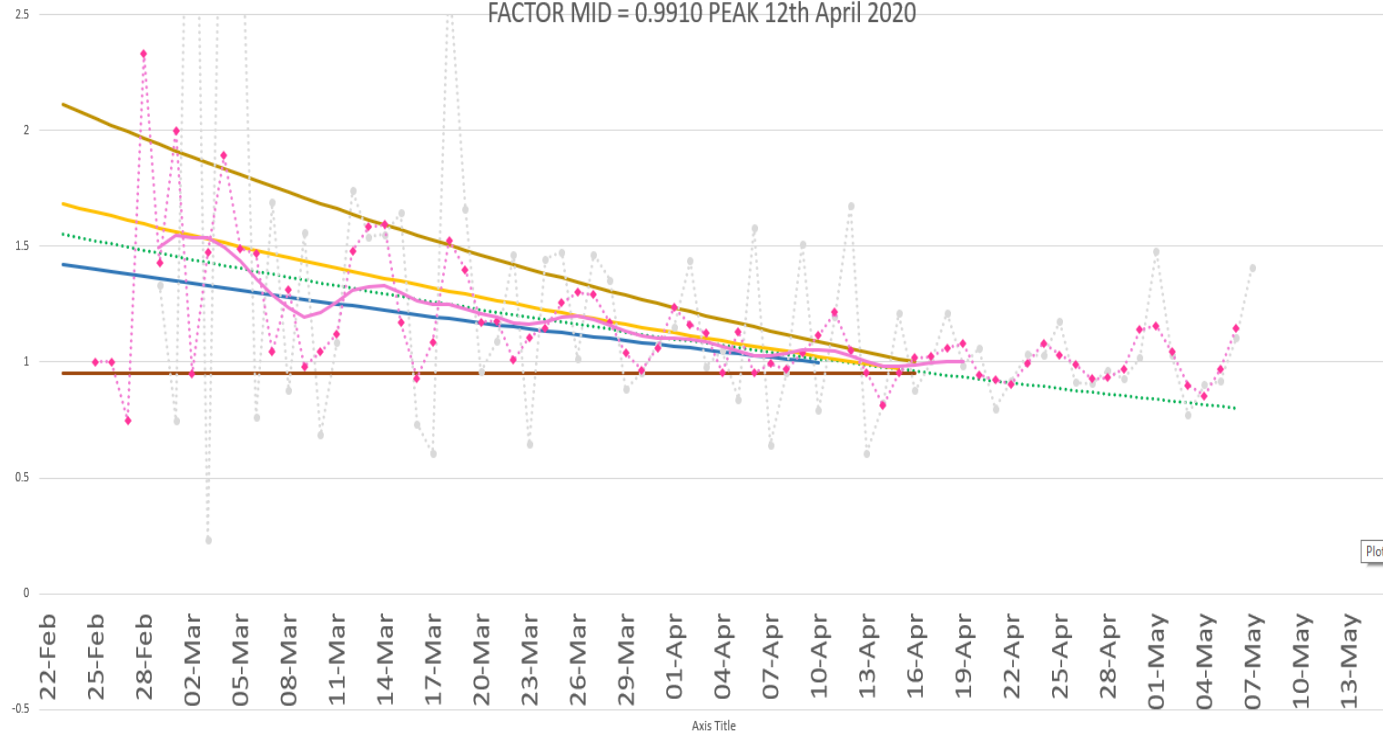
**I ANDREW MATHER
of
HENHAMS CAXTON PLACE
COURT LANE
HADLOW
TN11 0JU
United Kingdom**

**WILL STAND AND TESTIFY TO THAT EFFECT IN ANY DULY CONVENED COURT
OF LAW IN THE UNITED STATES, UNITED NATIONS OR OTHER LEGITIMATE
COURT HAVING JURISDICTION**



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DETERMINATION OF UK CORONAVIRUS DAILY RATE GROWTH FACTOR
SINGLE CONSTANT FIGURE CONSISTENT WITH NORMAL DISTRIBUTION
BYPRODUCT IS DAY OF FACTOR 1 GROWTH IN DAILY CASES IE PEAK
FACTOR MID = 0.9910 PEAK 12th April 2020



... and yeah, most of our viewers have seen this, but I'd hate you to go without seeing that no, lockdown hasn't saved a single case or life... notice the growth rate decline isn't altered in the slightest by lockdown.



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Well, that was unexpected.

I guess you'd better download any PDF's you want to keep.

One or other of us is going down...

... and with 'philanthropist' friends in high places,

I doubt it's going to be Gary Hanington



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I'm still Andrew Mather, a 60 y/o Brit,
mathematician, financier, technologist,
husband, biker, pilot, healer, whatever.



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Feel free to get in touch.
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or

andrew@amather.com

Either should get to me.