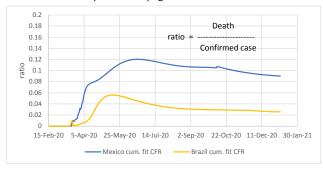
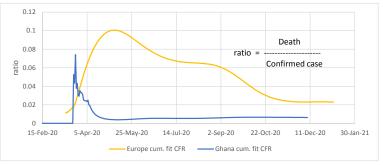
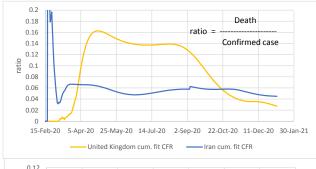
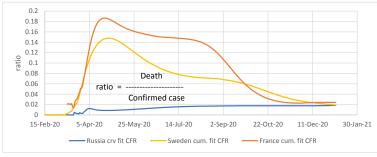
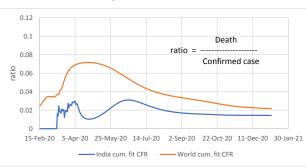
Experimental page: ratios of curve fit deaths to curve fit confirmed cases (CFR)

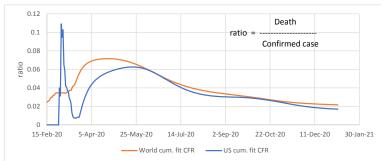


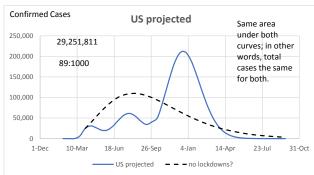


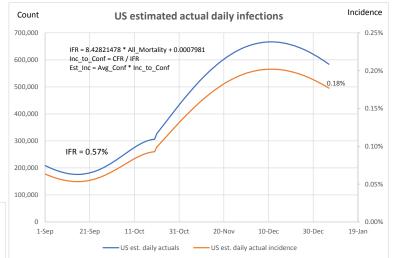






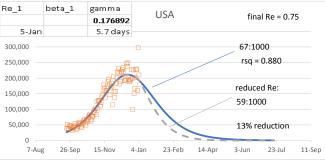






Demonstration of SIR model where R_{e} is linearly reduced to 0.75 at the end of the sequence:

False Positives Demonstration



Use 0.18% from US est. incidence above as estimated daily incidence Prevalence estimated as avg. infected period of 2 weeks X incidence 0.18% X 14 = 2.520%

99% accuracy of test t

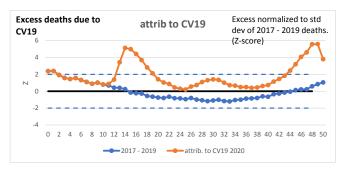
	Positive	Negative	1	
test pos	2.495%	0.975%	3.47%	
test neg	0.025%	96.505%	96.53%	
	2.520%	97.480%	100.00%	

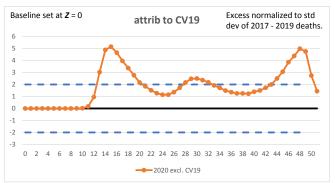
Reducing the R $_{\it e}$ while keeping gamma constant is the same as reducing contact rate. Contact rate is reduced through isolation, lockdowns, and vaccinations.

False pos. is a bit over 1/4 of total positives!

TRUE + 2.495%/3.47% 71.9% FALSE + 0.975%/3.47% 28.1% 100.00%

Counter-act this tendency by increasing test sensitivity. However this may increase false negatives, the recipients of which may be positive, think they're negative, and go spread it around some more.





USA Excess Deaths (from CDC data):

Annualized on 52 weeks		Weeks are labelled 0 thru 51		
		All Cause	All Cause, excl. CV19	CV19
3	yr average before 2020	859:100,000	876:100,000	-
	2020	1009:100,000	909:100,000	-
	Diff.	133:100,000	34:100,000	99:100,000

3 yr average 859:100,000

26% of All-Cause excess deaths are non-CV19

https://data.cdc.gov/NCHS/Excess-Deaths-Associated-with-COVID-19/xkkf-xrst/data

K = 0.318

gamma = 0.171 $R_o = \exp(K/\text{gamma}) = 6.421$ gamma = 0.286 $R > [1-1/R_0]/N$ 3.043475 84% <=Herd immunity

