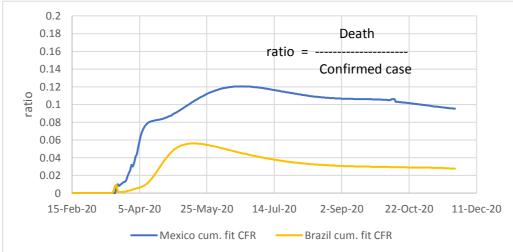
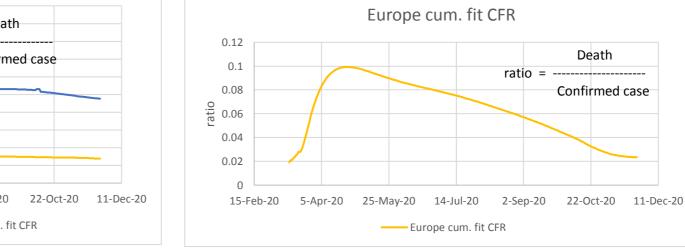
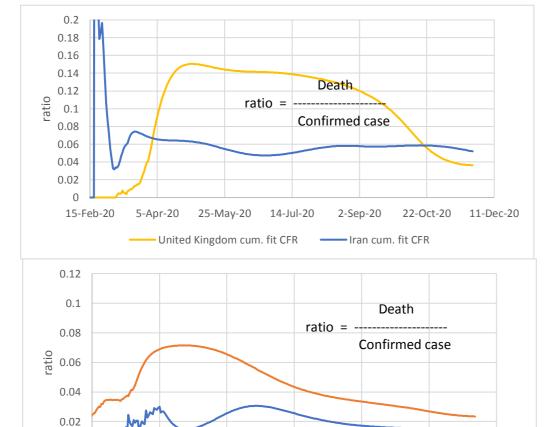
Experimental page: ratios of curve fit deaths to curve fit confirmed cases

22-Oct-20 11-Dec-20

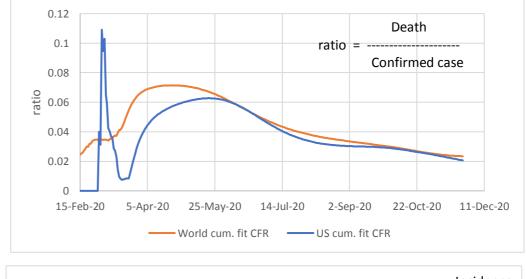
2-Sep-20

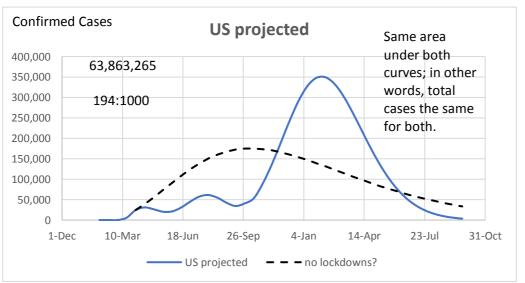








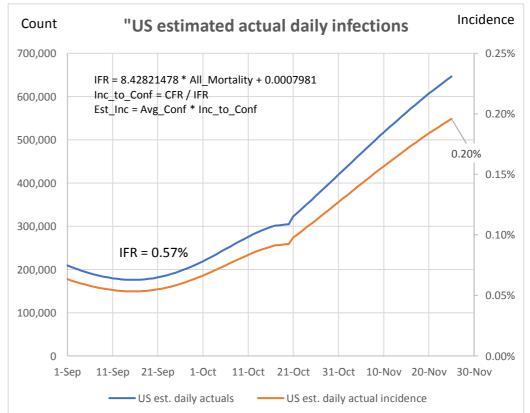




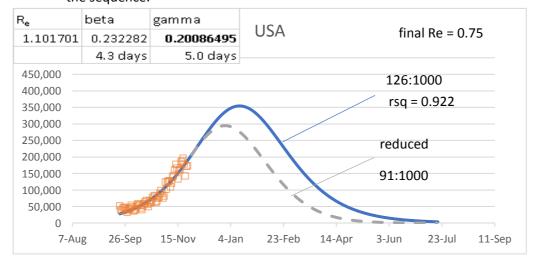
—— India cum. fit CFR —— World cum. fit CFR

5-Apr-20 25-May-20 14-Jul-20

15-Feb-20



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



False Positives Demonstration

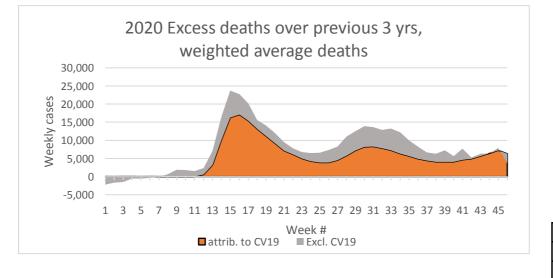
Use 0.20% from US est. incidence above as estimated daily incidence
Prevalence estimated as avg. infected period of 2 weeks X incidence
99% accuracy of test
0.20% X 14 = 2.800%

	Positive	Negative		
test pos	2.772%	0.972%	3.74%	
test neg	0.028%	96.228%	<u>96.26%</u>	
	2.800%	97.200%	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.

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.



USA Excess Deaths (from CDC data):

Annualized on 46 weeks

Alliuditzed oil 40 weeks						
		All Cause	All Cause, excl. CV19	CV19		
3 yr average b	efore 2020	854:100,000	854:100,000	-		
	2020	977:100,000	893:100,000	-		
	Diff.	122:100.000	39:100,000	84:100.000		

Here are some demonstrations of SIR model, using $\boldsymbol{R}_{\!\text{e}}$, gamma, and beta

