

1 **Title page**

2 **Article title:** Model Likelihood Comparison & Seasonal Forcing with SIR

3 **Authors:** K. Bodie Weedop^{1*}

4 ¹ Integrated Life Sciences, Franklin College of Arts and Sciences, University of Georgia, Athens, GA, 30602,
5 USA

6 ^{*}To whom correspondence should be addressed: K. Bodie Weedop (kbweedop@gmail.com)

7 Model Likelihood Comparison: Boarding School, London 1978

Model	R_0	$-\ln(L)$	AIC	beta	gamma	sigma
SIR	3.54	76.57	157.14	1.69	0.48	
SEIR	6.88	63.37	132.74	3.40	0.49	1.21
SICR	0.01	63.37	132.74	0.00	0.49	
SEICR						

8 Seasonally Forced SIR

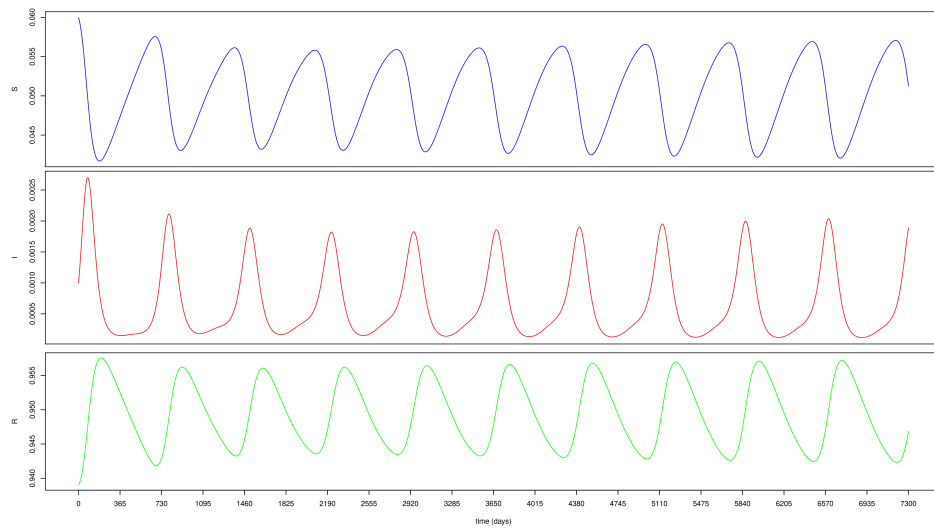


Figure 1: Seasonal For