Report on /home/ajd27/Documents/feedlot/r0bysize164.h5–c03d9

Generated with `report.py`

November 3, 2014

Option	Value
beta0	1.12
beta1	0.112
beta2	0.00112
datafile	r0bysize164.h5
disconnected	1
message	Effect of beta at sizes for single herd.
rider	0
size	64
threadcnt	6

Parameter	Value
beta0	1.12
beta1	0.112
beta2	0.00112
gamma	0.22779043280182235
gammaalpha	3.969
gammabeta	0.903342366757001
latent	0.2785515320334262
latentalpha	1.782
latentbeta	0.25163563160543534
ridergetinfected	0.2485
riderinfect	0.2485
ridermove	96.0
riderrecover	24.0
scalpha	1.22
scbeta	1.672

Trait	Value
Compile time	2014-11-01T11:58:54.122269
Initial values	Susceptible 63 exposed 1 infectious 0 recovered 0
Unique Tag	c03d9c86-ee14-45fe-b736-ea4cf382bac6

Figure 1: Each line represents a separate realization from the simulation.This shows all infected individuals, whether exposed or infectious.

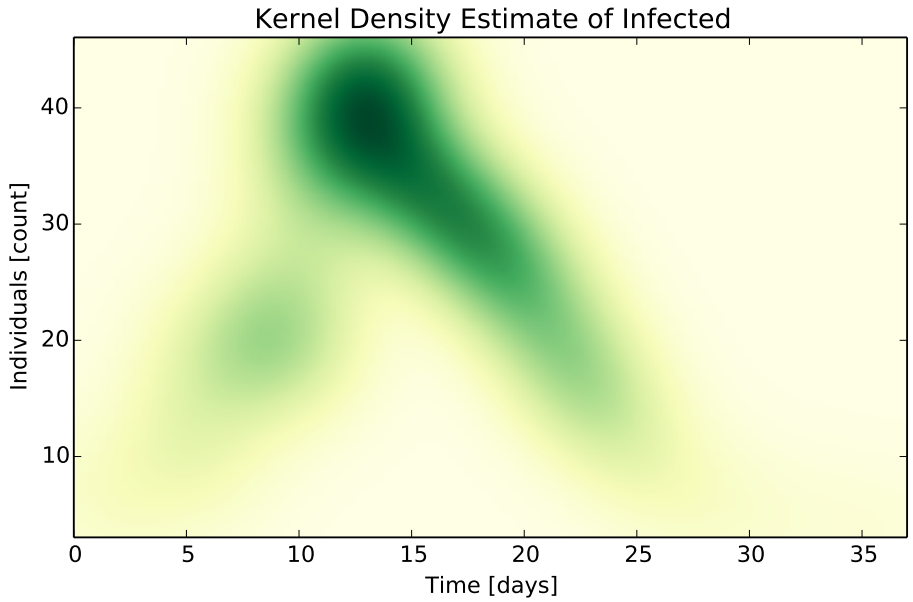

Figure 2: This smooths over all realizations in the ensemble in order to create an estimate of the probability distribution for finding the system at a given state and time.

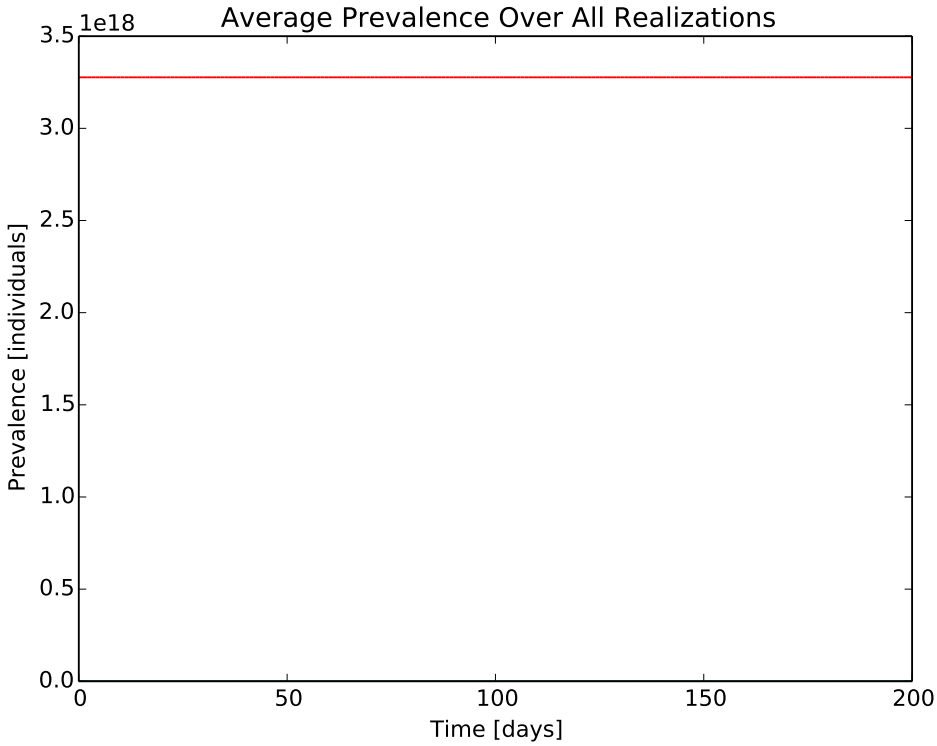

Figure 3: Exposed and susceptible counts, averaged over all realizations in the ensemble. The small horizontal lines indicate that each observation is a daily measurement. Exposed is blue, infectious in green.

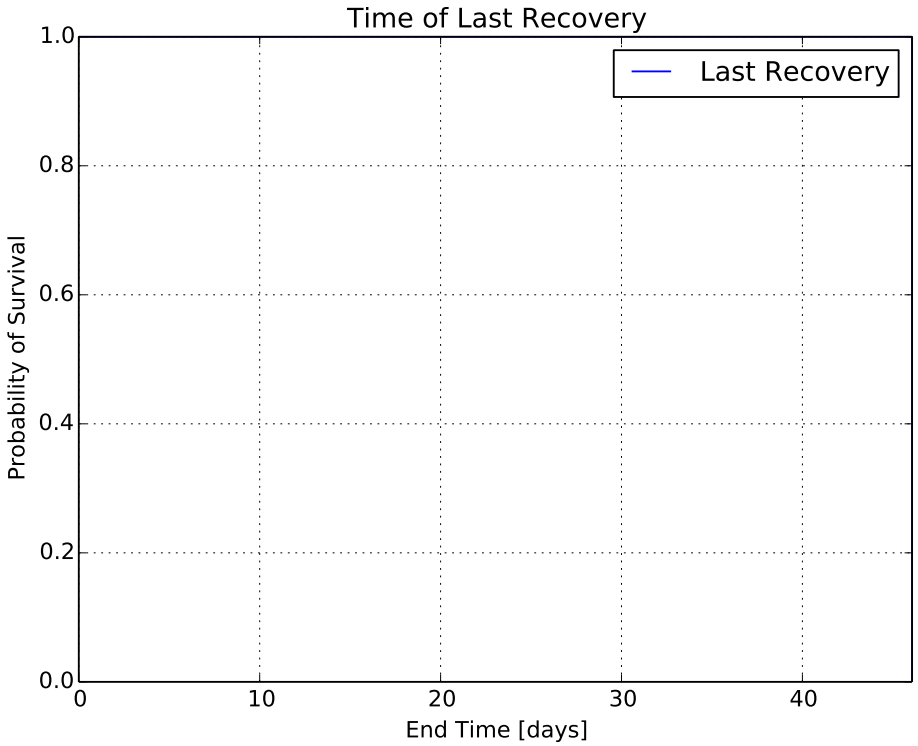

Figure 4: Each bar shows a count of how many realizations completed at a given time.

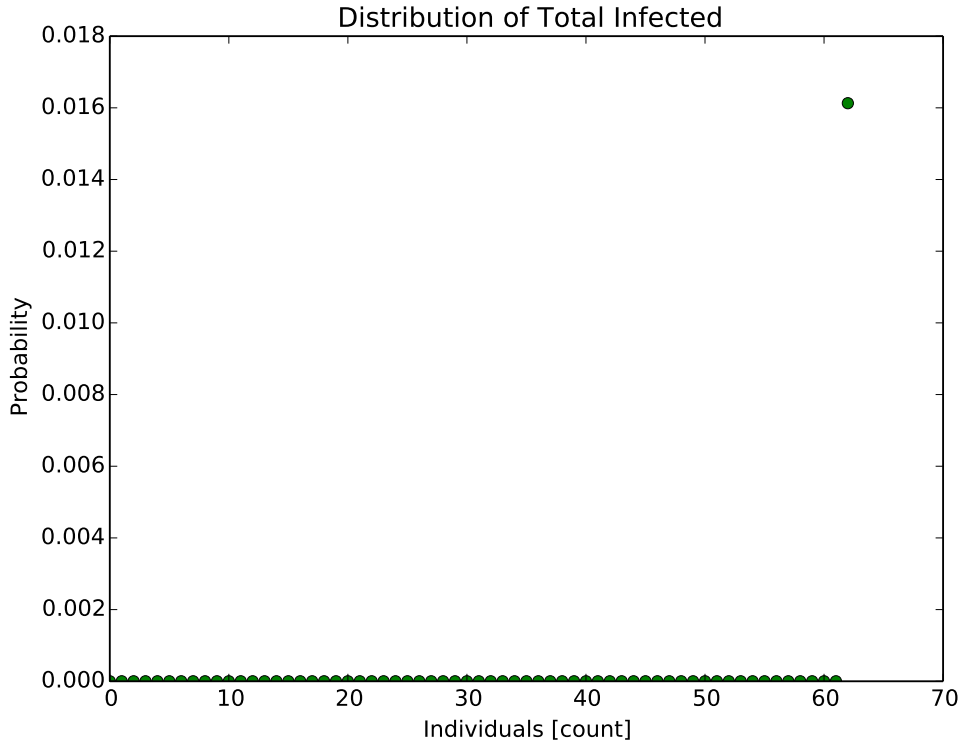

Figure 5: Simple point plot of total infected.

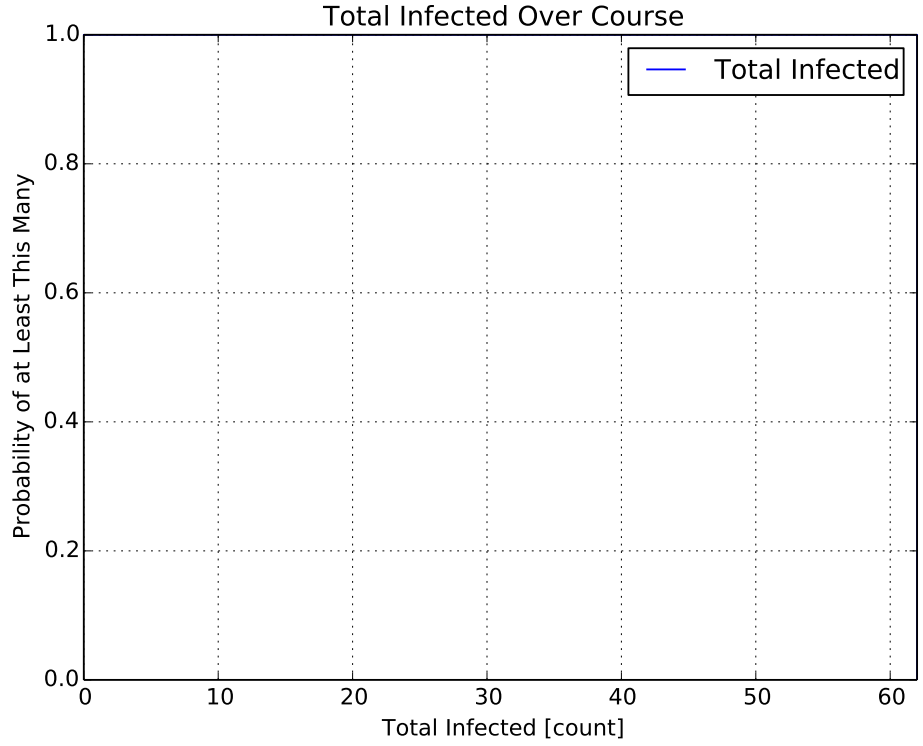

Figure 6: Each bar shows the total number of realizations whose infections fell in the given range

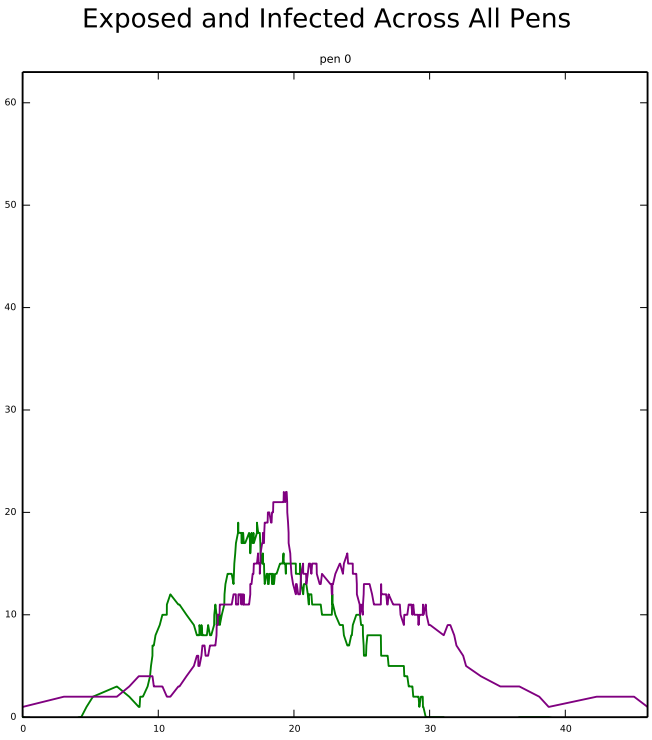

Figure 7: Each subgraph is a separate pen, showing exposed and infected over time. This is one sample realization from the file.