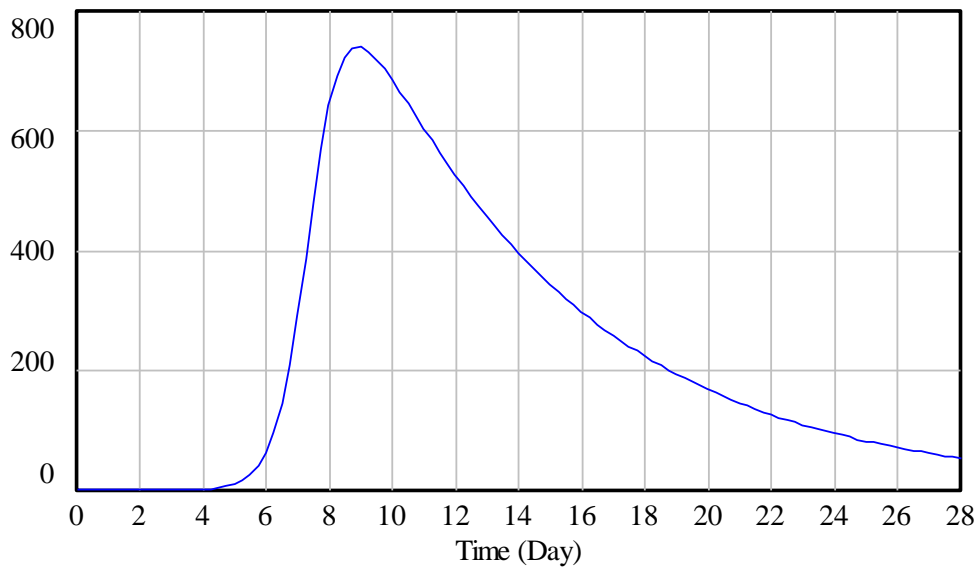


Intimate Gossip and Political Power in Rome

These models illustrate the rate at which a gossip might have spread in the city of Rome. They are 1/1000 scale for the population of Rome. I assume an “infection probability” of 1/500. In a population of 1000 that means that for every case, 2 new cases will develop at any given time. This is the typical rate of a newly introduced airborne disease. I have decided to account for forgetfulness and diminishing interest by assuming a “recovery time” of 7 days after which informed people stop spreading gossip.

I. “Fulvia” Model: one informant

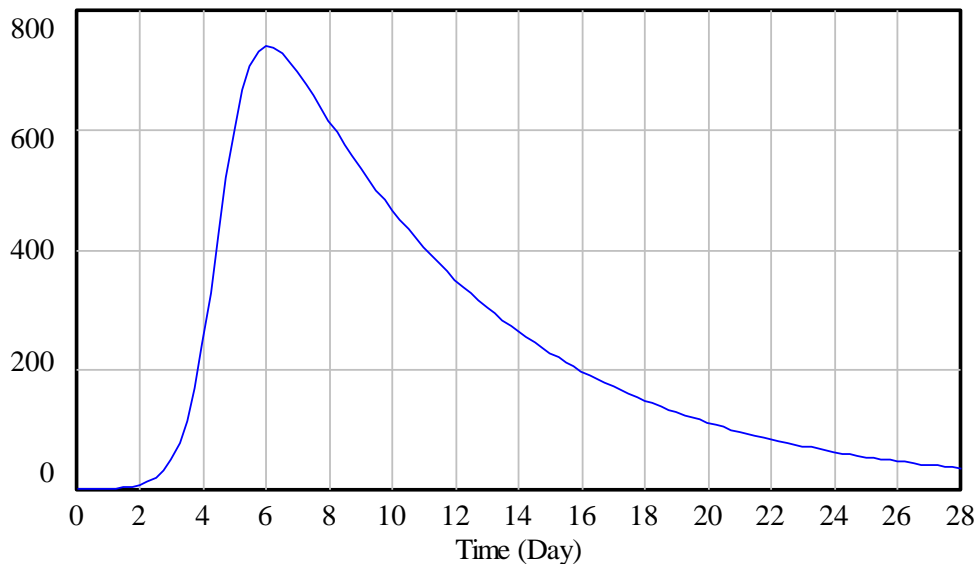
Informed



Informed : Current —————

II. Senate Model: 200 informants

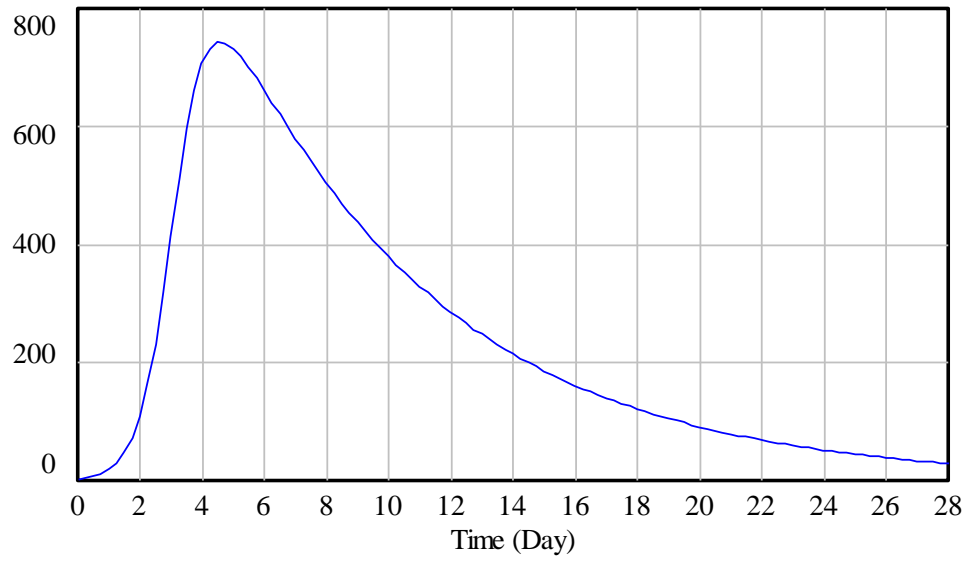
Informed



Informed : Current —————

III. Contio Model: 3,000 informants

Informed



Informed : Current

These models were made using Vensim with this basic visualization:

