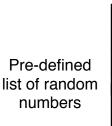
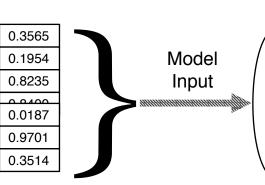
Create truth data (run once)

Begin by defining the model input and running it to create the hypothetical reality ('truth')





Model Output

Observe Truth
Data

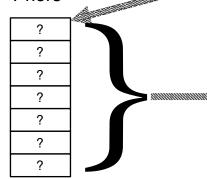
Aod sone noise

Truth Data (no. agents in system per iteration)

Parameter estimation (repeat for N samples)

Re-run the model as part of a Bayesian network, attempting to estimate the input numbers by constraining to the noisy truth data.





Priors

Pedestrian Model

Posterior

Pedestrian

Model

Model
Output
(no. agents in system per iteration)