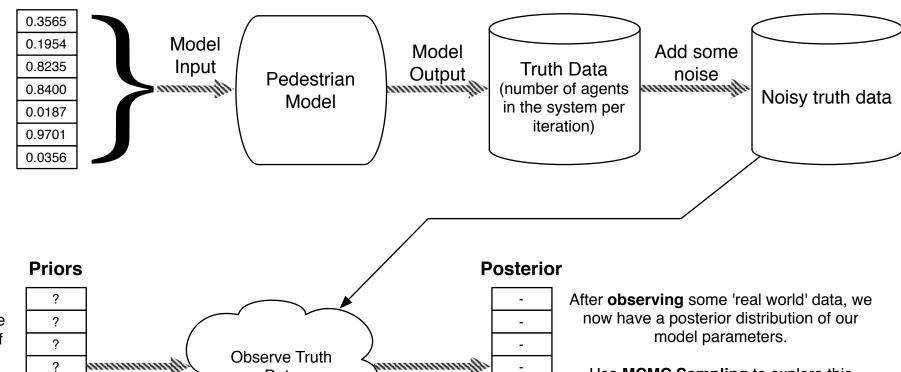
Pre-defined list of 0.3565 random numbers. These are the **model** 0.1954 input parameters. 0.8235 The parameters 0.8400 cannot be observed 0.0187 directly, but we can use Bayesian 0.9701 inference to estimate 0.0356 them **Priors**



We want to estimate the value of each of these random numbers. They are our (uninformed) priors.

?

?

?

We can **observe** the truth data, using probabilistic inference to estimate the true shape of the posterior distribution

Data

Use **MCMC Sampling** to explore this multi-dimensional space, searching for the optimal combination of parameter values.