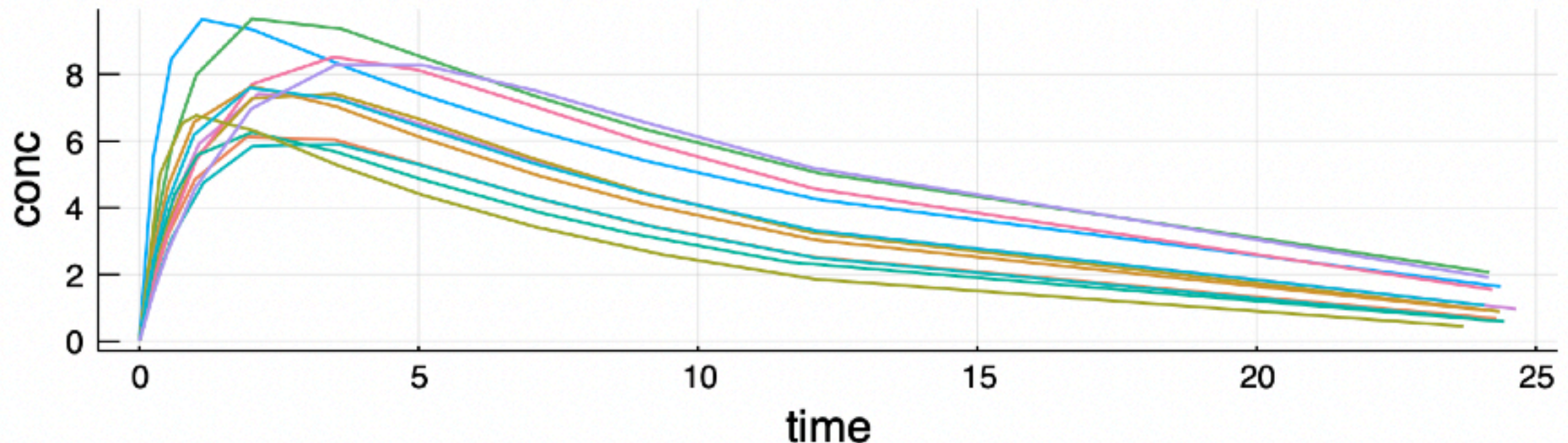


# Moving from an individual to a population

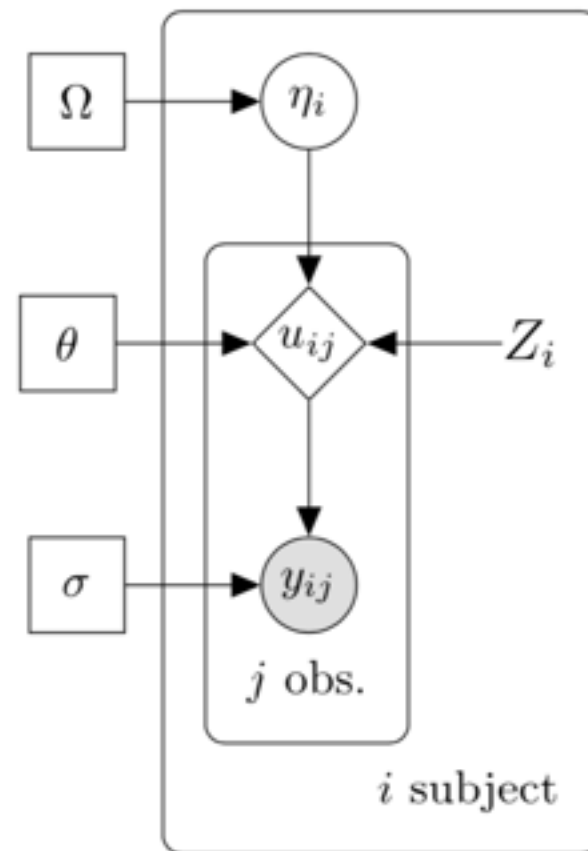
So the same dose, same model, but different concentration profiles for different individuals because of the variation in the parameters that define a subject.

How do we capture this variability?

Population Simulation



# Non Linear Mixed Effects Models



The models are defined by three components

1. Random Effects
2. Dynamics
3. Observations