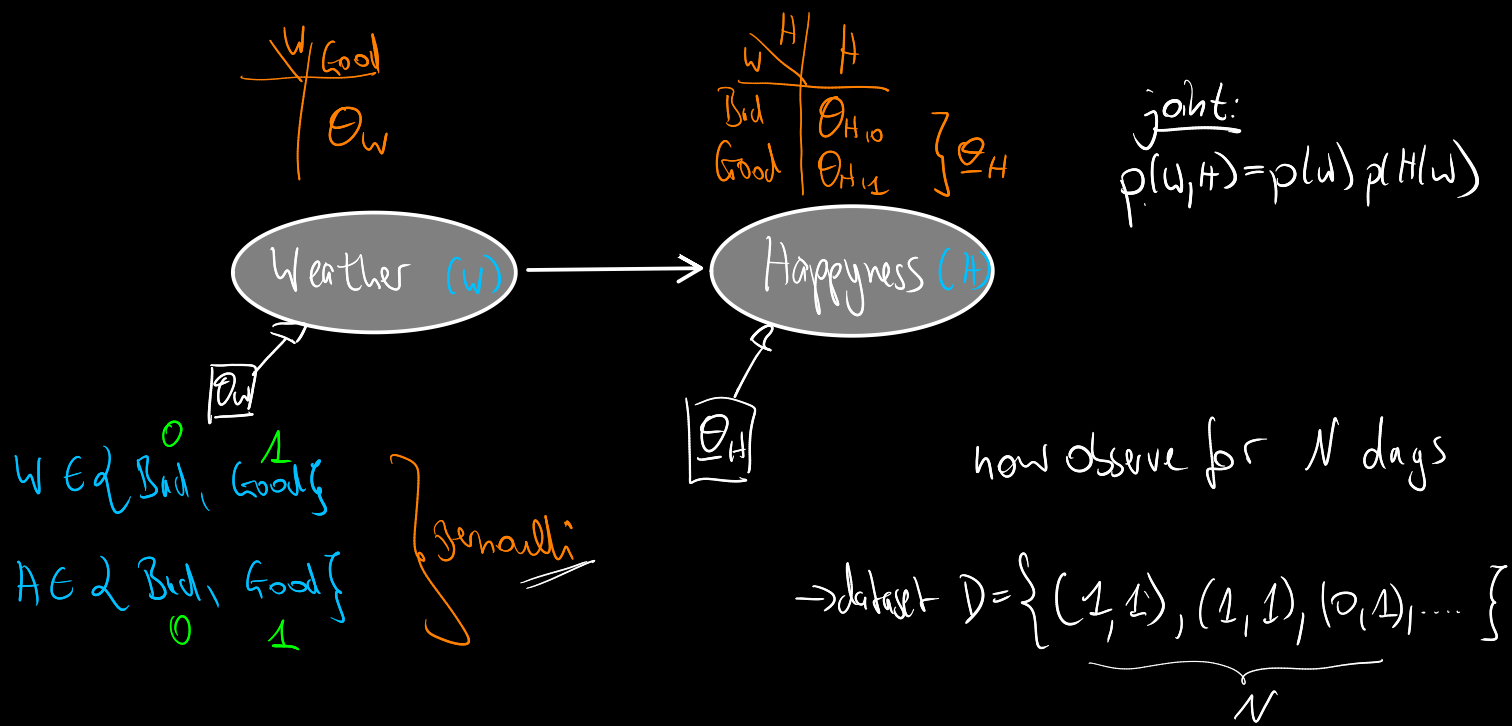
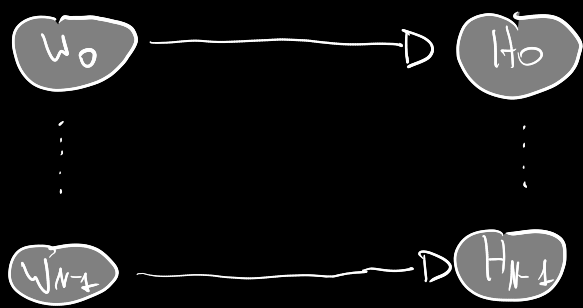


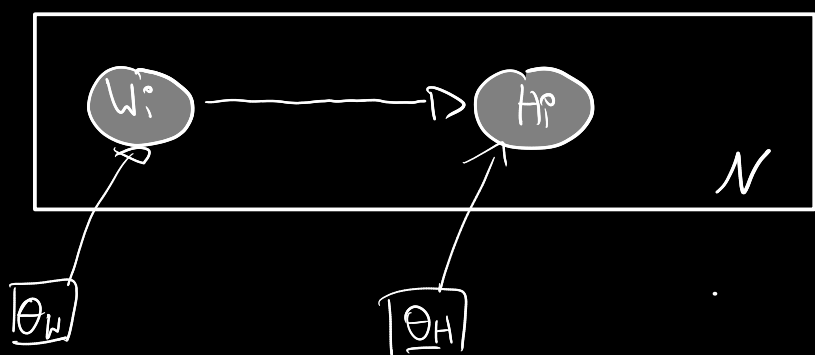
Plate Notation & Data sets



Calculate likelihood: $p(D) = \prod_{i=0}^{N-1} p(u = u^{(i)}, H = h^{(i)})$



equivalent:

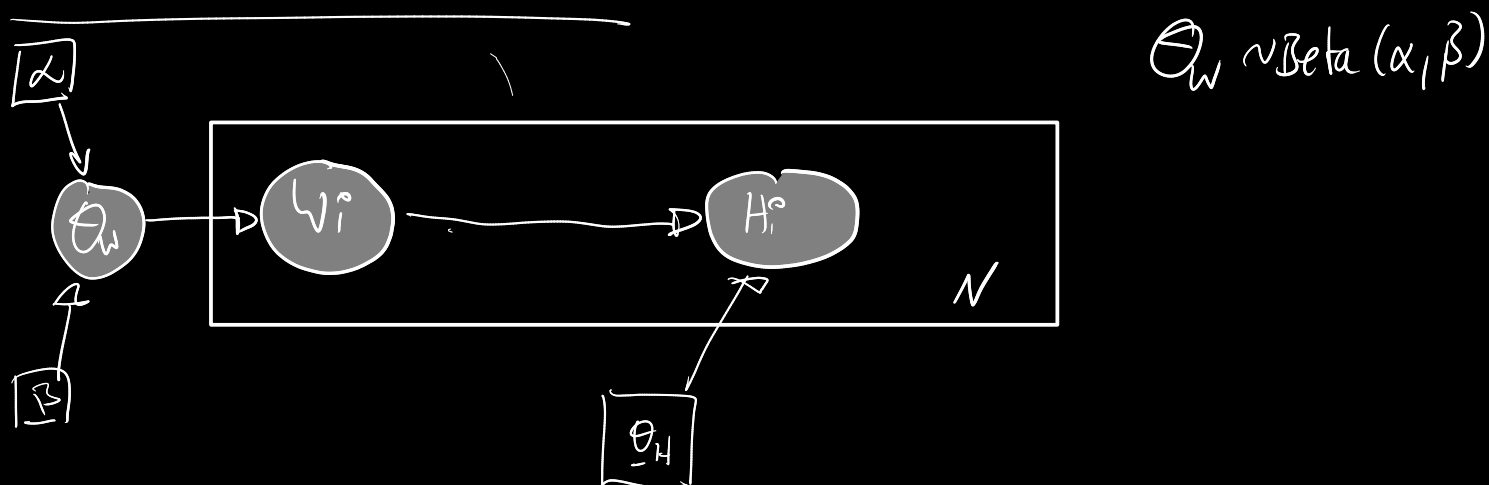


$$\underline{W} = [W_0, W_1, \dots, W_{N-1}]^T$$

(Random vector)

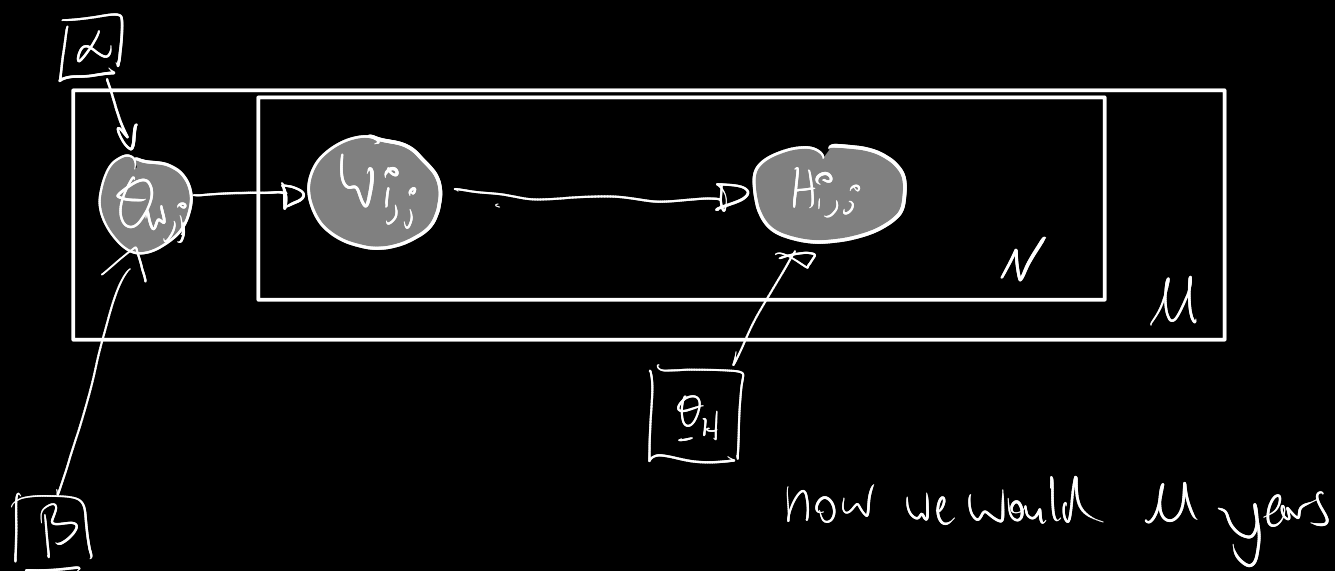
N -independent
Bernoulli

→ an observation of this model would contain all N days



e.g. observation for one year
 $N=365$

Observing for multiple years



how we would 11 years

Leaving:

plates can be used to represent samples

→ especially need in composited plate notations