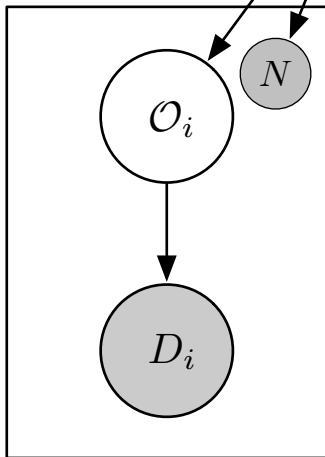


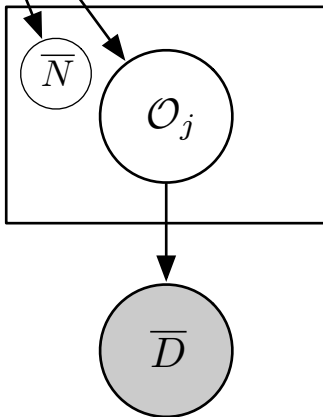


**Population  
parameters**

Detections



Nondetections



**Latent object  
observables**

$\mathcal{O}_i = x_i, F_i, r_i, \dots$

**Data**

Summarize via  
source likelihoods

$$\ell_i(\mathcal{O}_i) \equiv p(D_i | \mathcal{O}_i)$$

Summarize via  
exposure/efficiency

$$\eta(\mathcal{O})$$