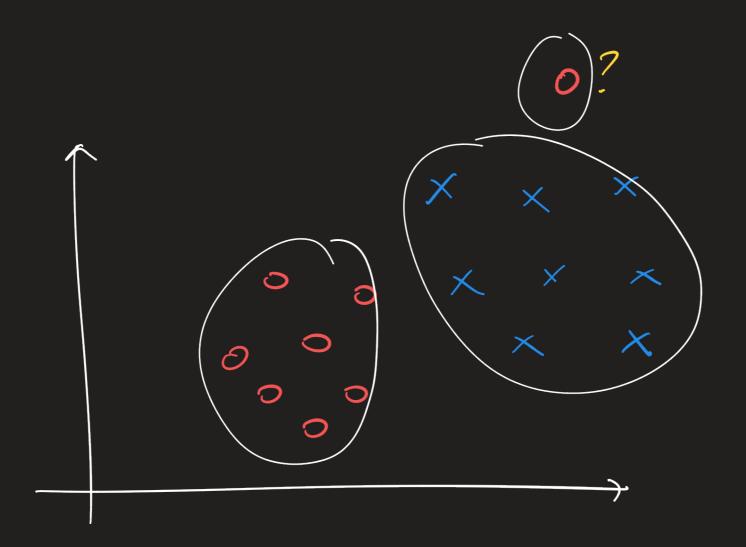


Sp12124 - Q.5

$$P(x|\mu) = \mu^{-1} (1-\mu)^{1-2k} - dota$$
 prior likelihood

$$P(\mu) = 0.5. Beta(\mu|\alpha_{1,31}) + 0.5. Beta(\mu|\alpha_{2,32})$$

where
$$B \in \{x \mid a,b\} = \frac{\Gamma(a+b)}{\Gamma(a)\Gamma(b)} x \qquad (1-x)$$



CENSOIRED data

$$\mathcal{L} = \prod_{i=1}^{\infty} P(\mathbf{z}_{i}|\boldsymbol{\theta}) \cdot \prod_{j=m+1}^{\infty} \int_{100}^{+\infty} P(\mathbf{z}_{j}|\boldsymbol{\theta}) \cdot d\mathbf{z}_{j}$$

intractable density fet.

Hidden 2; = true value for consorred ER variables: 3; = m+1,..., N. ER

$$\mathcal{L} = \prod_{i=1}^{N} P(x_i | \theta) \cdot \prod_{j=m+1}^{N} P(z_j | \theta)$$