$$I_{CO,A}(\theta) = \begin{cases} \hat{O} & \text{otherwise} \\ \hat{O} & \text{otherwise} \end{cases}$$

$$P(\theta|y) \propto P(y,\theta) \propto \theta^{5}(1-\theta)^{\frac{1}{3}} + \frac{\Lambda}{8(\alpha,\beta)} \theta^{\frac{1}{3}} (1-\theta)^{\frac{1}{3}} \frac{\Lambda}{8(\alpha,\beta)} \theta^{\frac{1}{3}} \frac{\Lambda}{8(\alpha,\beta)$$

(o)
$$\left(\frac{G}{1-G}\right) = Z$$
 natural logar than
$$\frac{G}{A-G} = e\gamma P(Z)$$

$$G = e\gamma P(Z) - e\gamma P(Z) G$$

$$G = \frac{e^{Z}}{A+e^{Z}} \qquad f \qquad Z \mapsto \frac{e^{Z}}{A+e^{Z}} = \frac{A}{A+e^{-Z}}$$

$$f \quad R \rightarrow (0,1)$$

$$G = \left(\frac{G}{A-G}\right) \times \left(\frac{G}{A+G}\right)$$

$$f_{x}(x,y) = \int f(x|\theta) p(\theta,y) d\theta$$

$$\hat{\eta} = \underset{y}{\text{ergmax}} f_{x}(x,y)$$

$$y_{\text{new}} = x_{\text{new}}^{T} \theta + \varepsilon_{\text{new}}$$