

$$\pi^{\mathcal{P}}(\mathbf{x}_1 \mid \mathbf{c}_1) \quad \pi^{\mathcal{P}}(\mathbf{x}_2 \mid \mathbf{c}_1) \quad \pi^{\mathcal{P}}(\mathbf{x}_3 \mid \mathbf{c}_1)$$

$$\pi^{\mathcal{P}}(\mathbf{x}_4 \mid \mathbf{c}_1) \quad \pi^{\mathcal{P}}(\mathbf{x}_5 \mid \mathbf{c}_1) \quad \pi^{\mathcal{P}}(\mathbf{x}_6 \mid \mathbf{c}_1)$$

$$\pi^{\mathcal{P}}(\mathbf{x}_1 \mid \mathbf{c}_2) \quad \pi^{\mathcal{P}}(\mathbf{x}_2 \mid \mathbf{c}_2) \quad \pi^{\mathcal{P}}(\mathbf{x}_3 \mid \mathbf{c}_2)$$

$$\pi^{\mathcal{P}}(\mathbf{x}_4 \mid \mathbf{c}_2) \quad \pi^{\mathcal{P}}(\mathbf{x}_5 \mid \mathbf{c}_2) \quad \pi^{\mathcal{P}}(\mathbf{x}_6 \mid \mathbf{c}_2)$$

$$\pi^{\mathcal{P}}(\mathbf{x}_1 \mid \mathbf{c}_3) \quad \pi^{\mathcal{P}}(\mathbf{x}_2 \mid \mathbf{c}_3) \quad \pi^{\mathcal{P}}(\mathbf{x}_3 \mid \mathbf{c}_3)$$

$$\pi^{\mathcal{P}}(\mathbf{x}_4 \mid \mathbf{c}_3) \quad \pi^{\mathcal{P}}(\mathbf{x}_5 \mid \mathbf{c}_3) \quad \pi^{\mathcal{P}}(\mathbf{x}_6 \mid \mathbf{c}_3)$$

Conditional Probabilities