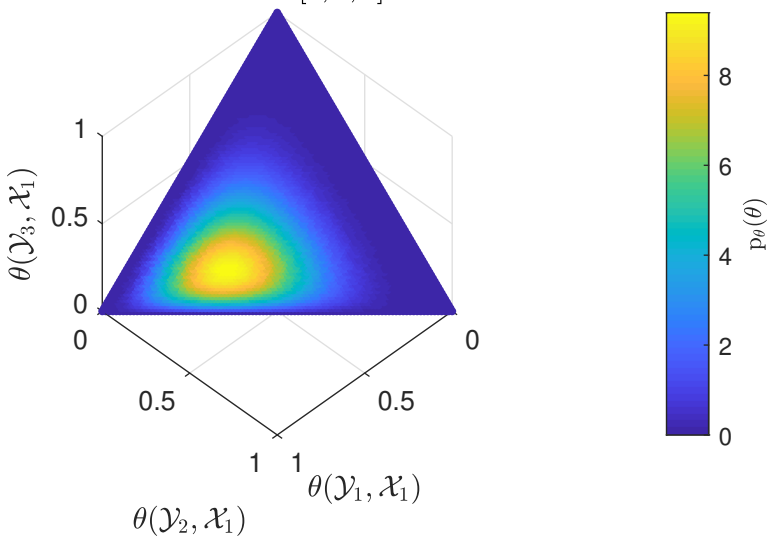


Prior: $\alpha = [5, 3, 2]^T$



Posterior: $\bar{n} = [5, 5, 20]^T$

