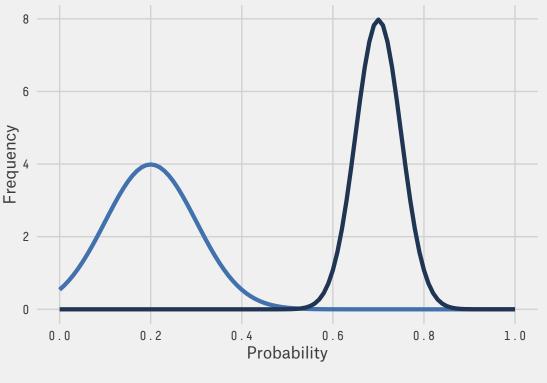Normal function curves of probabilities