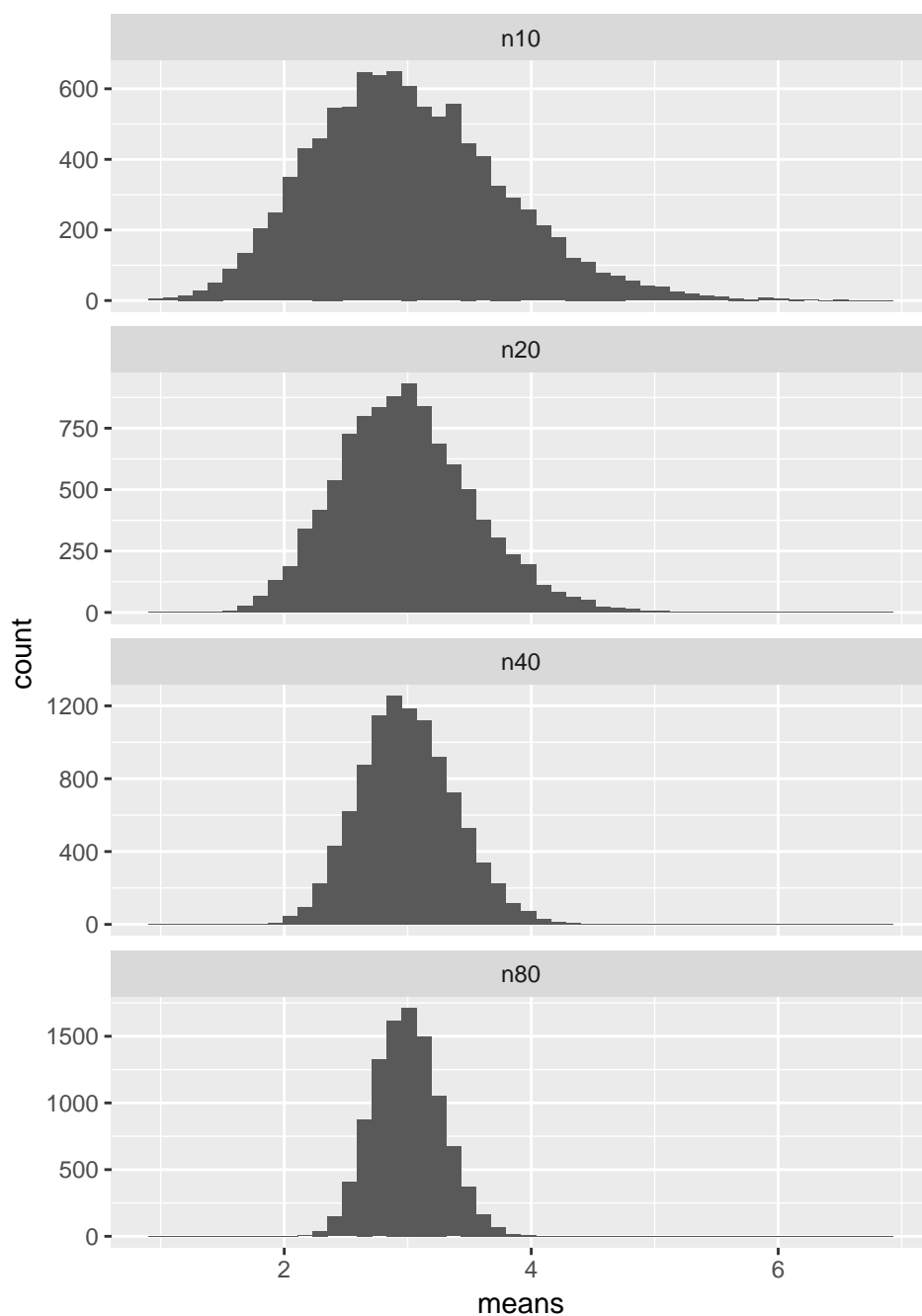# The Central Limit Theorem

Math 445, Spring 2017

Example 1: χ_5^2 distribution

Let $X_1, X_2, \ldots, X_n \overset{iid}{\sim} \chi_3^2$. Below is an illustration of the CLT.

Example 2: Binomial(n = 10, p = 0.75)

Let $X_1, X_2, \ldots, X_n \overset{iid}{\sim} \text{Bin}(10, 0.75)$. Below is an illustration of the CLT.