

ST122 Introduction to Statistics

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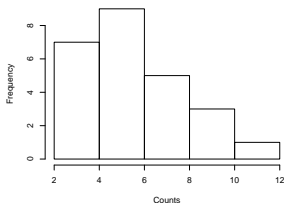
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The Central Limit Theorem Illustration

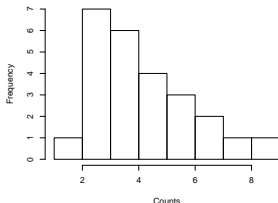
- Simulate 25 values from a Poisson distribution with a mean of 5. Repeat 500 times.

Sample 1

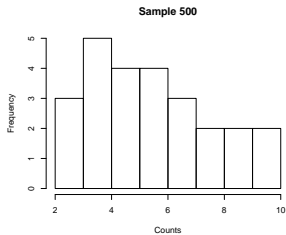


Mean = 5.88

Sample 2

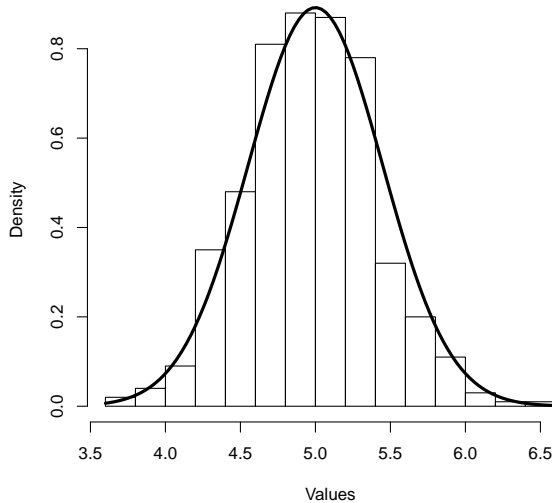


Mean = 4.60



Mean = 5.32

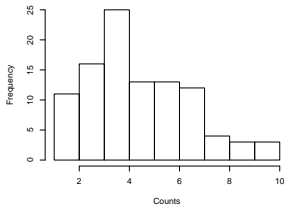
Histogram of 500 means



The Central Limit Theorem Illustration

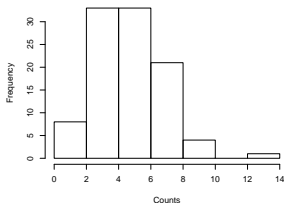
- Simulate 100 values from a Poisson distribution with a mean of 5. Repeat 500 times.

Sample 1

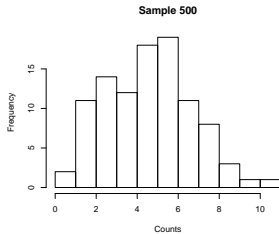


Mean = 4.83

Sample 2



Mean = 5.19



Mean = 5.06

Histogram of 500 means

