Introduction

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## Always First Command

> library(NCStats)

## Sample Ashland-Bayfield County Residents

> data(ABCens90)  
> ( smp1 <- srsdf(ABCens90,50) )

## Summarize the Sample

> Summarize(~age,data=smp1,digits=1)  
> Summarize(~sex,data=smp1)

## Take and Summarize A Second Sample

> ( smp2 <- srsdf(ABCens90,50) )  
> Summarize(~age,data=smp2,digits=1)  
> Summarize(~sex,data=smp2)

## The Truth

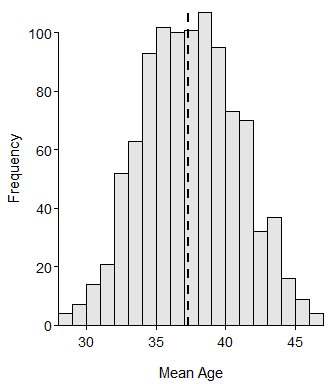
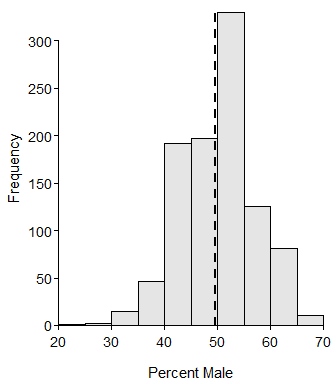
> Summarize(~age,data=ABCens90,digits=1)

n nvalid mean sd min Q1 median Q3   
 30335.0 30335.0 37.3 24.3 0.0 16.0 35.0 57.0   
 max percZero   
 96.0 1.2

> Summarize(~sex,data=ABCens90)

freq perc  
female 15261 50.31  
male 15074 49.69  
Total 30335 100.00

## Lots of Samples from Ashland-Bayfield County Residents

processing file: Foundations.Rmd  
output file: ./Foundations.R