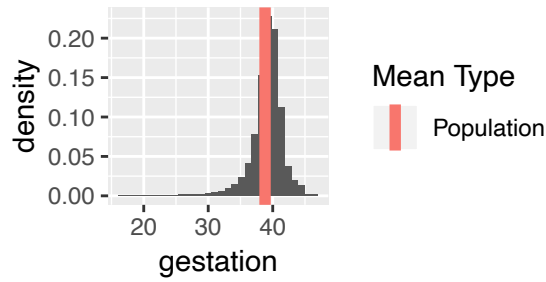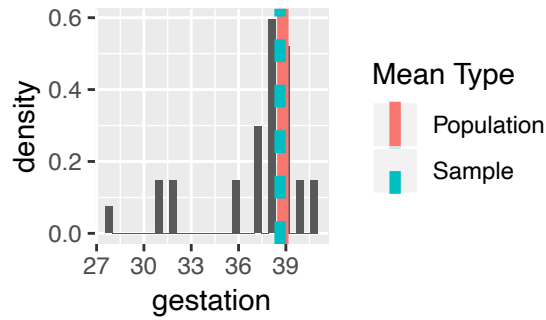# Population: 330,717 babies
mean 38.81 weeks

Take a Sample
(In real life, this is all we would get to see)

Sample mean: 37.10 weeks

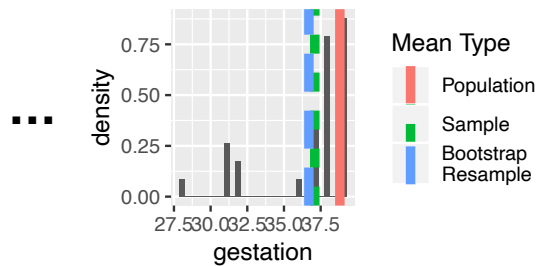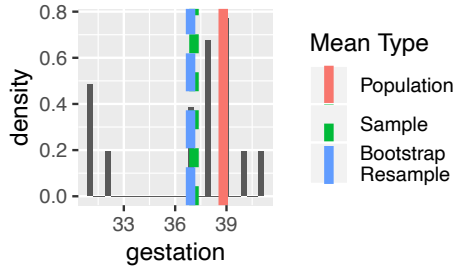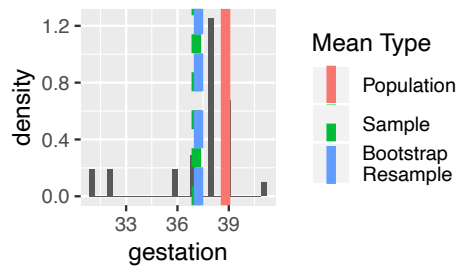## Bootstrap Sample #1

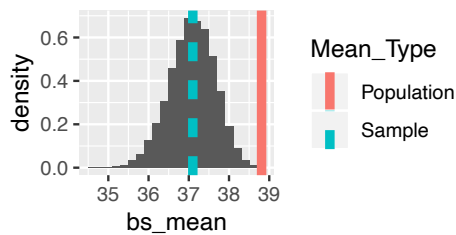## Bootstrap Sample #2

... Bootstrap Sample #B

Bootstrap sample mean: 37.2

Bootstrap sample mean: 36.90

Bootstrap sample mean: 36.70

Sample means from 10000 bootstrap samples

Estimate $SE(\hat{\Theta})$ with

$\widehat{SE}(\hat{\Theta})$ = standard deviation of means from all 10000 bootstrap samples