

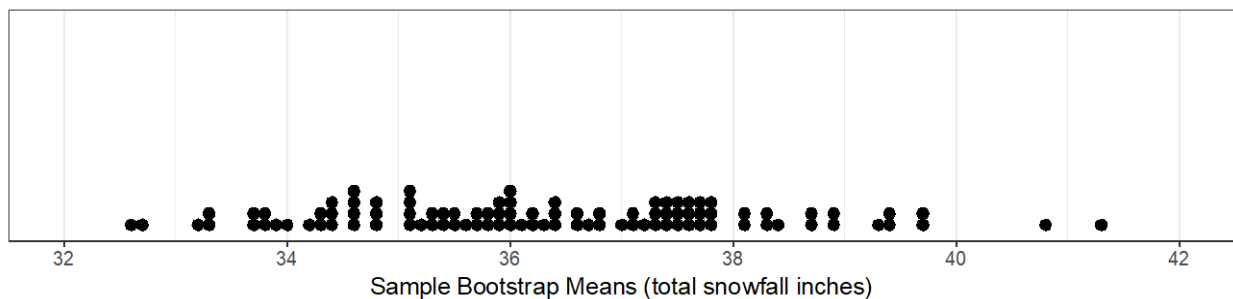
Name _____

Investigation 17: How Many Hours of Volunteer Time?

Exit Ticket

Chicago has been keeping records for the number of inches of snow for many, many years. Forty years were randomly selected from all the years snowfall has been recorded and the amount of snowfall for those years formed a random sample.

This random sample of 40 snowfall amounts was used to take 100 bootstrap samples and the sample bootstrap means are shown in the dot plot below.



1. What is an estimate for the mean number of inches of snow in Chicago over all the years snowfall has been recorded?
2. What is a 95% bootstrap interval estimate for the mean number of inches of snow in Chicago for all the years snowfall has been recorded? Explain