1. Data description

2 Sampling from a population → sampling distributions, confidence intervals, extreme values

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Stats Lab

Height data

- use data from previous labs
- plot (histogram, box / dot plots)
- ? superimpose normal distribution
- link to lectures re age range
- demonstrate errors in the data (eg height in cm vs mm) and extreme values
- plot by lab ? box plots
- plot by 'tables' (groups of around 9)
- calculate mean height + sd
- show how means vary + sd by tables by lab
- students have their own data – can they add it to this so it plots their table mean?
- get them to collect means from other tables

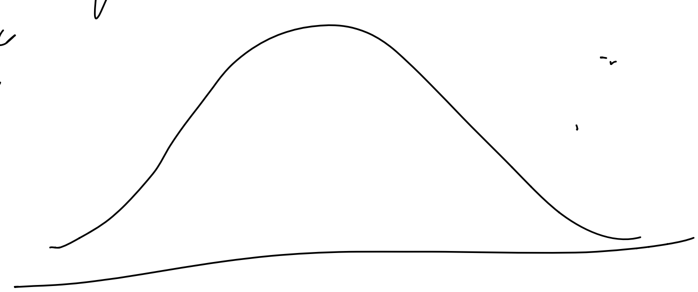
Lab book

- description of data
- they should have their data recorded from previous lab
- instructions for things to do with the Shiny
- questions to be answered
- places ~~to~~ sketch things in

Sampling distr

- "popn" distr for height
- samples of size 9
- → sampling variation
- estimates, interval estimates
- # containing "truth"
- extreme

- data ~ largeish lt
- "population"



height

data set — variable (digit length
exercise
NHL / ST / Other .

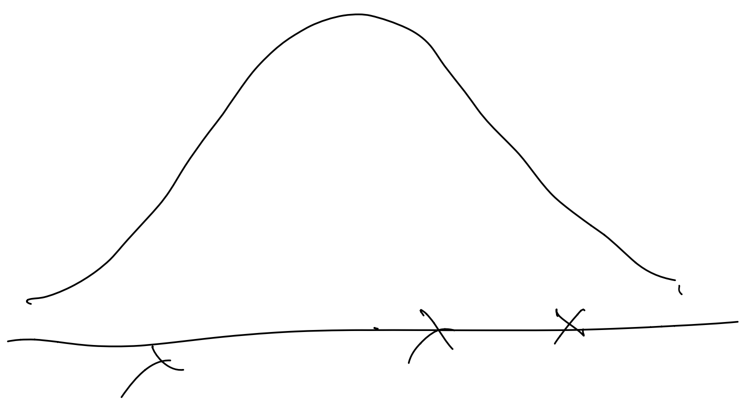
plot method.

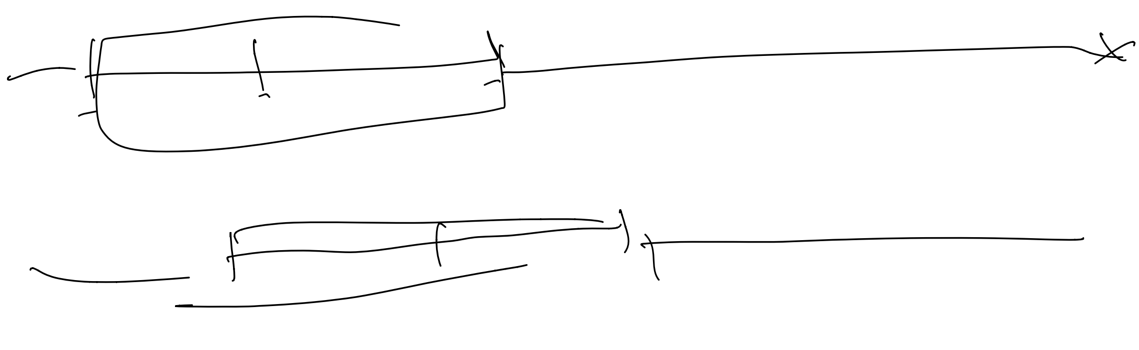
- histogram

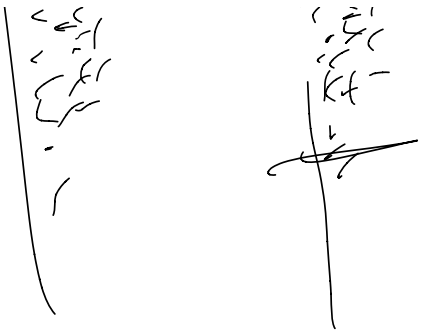
- dotplot / boxplot

2 variable

- in lab book sketch height dist.







- mean, sd median IQ range
range