Quiz 1

★Quiz 1

1. 1-11
   2-2
   3-8
   4-4,5
2. 1-5
   2-11
   3-2,5
   4-9

★Quiz 2

1. Dollars squared
2. 1-13,55
   2-3,68

★Quiz 3

1. -The variance for d2 larger than d1
   -The STD for d2 larger than d1
2. All the data points must be the same
3. if two datasets have the same variance, they will have the same STD

★Quiz 4

1. 1-5
   2-5
2. -The risk associated with invest 1 is lower than in invest. 2
   -The STD in invest 1 is smaller than inv. 2
3. investment 2

★Quiz 5

1. n = 13
   med = 7
   Q_1 = 3
   Q_3 = 13,5
   mean = 8,4
   mode = 3
2. IQR = 10,5
   range = 20
   Vari. = 33,9
   STD = 5,8
   min = 2
   max = 22

Quiz 6

1. -Right skewed
   ↳ mean > media
   -left skew
   ↳ mean < media
   -symmetric
   ↳ mean = median
2. -Normally distributed data must have mean = median
   -Histograms and boxplots are both used to plot quantitiv data They can't be used to plot categorical data
   -Abox Plot relates directly to the 5 number summary

★Quiz 7

1. -largest range → virginica
   -smallest range → setosa
   -median is 5 → setosa
   -Q_3 = 6,3 → versicolor
   symetric → All
   largest sepal on Avg → virginica
2. -more than 75% of the virginica Flowers have larger sepal length Than the largest Seatosa flower
   -more than 50% seatosa flowers have larger sepal length than the shortest versicolor flower

Quiz 8

1. Histogram
2. Bimodel
3. Box Plot
4. left-skewed
5. The mean is less than the median

Quiz 9

mean > media → Histogram 1
Data has higher variance → -- 1
Bin width is 0,5 → -- 2
range = 5,5 → -- 2
Distri is left-ske → neither
mean = median → -- 2

Quiz 10

-on avg, accounts are shorter than IT stac
-There is more variability in the heights of the accountants than heights of the ITster

Quiz 11

(1) 5,5 inches → Parameters

6 inch → STATISTICS

All the base ball → Population

— — → Population

The low barrels → sample

(2) - Numeric of sample → statistic

- — Population → Parameter

- Draw in Popul. using sample → inference

- Drawing sample → None using Popula.

- subset of Popul → sample

- our entire group → Population

- Frequently we do not know → Parameter

Quiz 12

- Population → All udacity students
- Parameter → we can't know for sure
- Sample → 5,000 udacity students
- statistic → 6,8 hours of sleep