



Account



Dashboard



Courses



Groups



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar



Inbox



Help



Calendar

May 2019

- Home
- Syllabus
- Announcements
- Modules
- Discussions
- Files
- DeVry Webex
- Grades
- People
- Media Gallery
- My Media
- Tutoring
- Bookstore
- Evaluations

WEEK 1: HOMEWORK

Started: Jun 18 at 6:11pm

QUIZ INSTRUCTIONS

Click the button to start the homework set. You can re-do this assignment as often as you need. Be sure to have the Week 1 Excel spreadsheet available to help with the calculations. It is provided in [Week 1: Resources](#).

Question 1 2 pts

A recent survey of the alumni of a university indicated that the average salary of 10,000 of its 200,000 graduates was \$130,000. The \$130,000 would be considered a:

Homework Help:
[1DA_Population/parameter/sample/statistic/inferential/descriptive.e](#) (DOCX)

- Statistic
- Sample
- Parameter
- Population

Question 2 2 pts

A survey of 1050 students was taken from a university with 19,500 students. The 19,500 would be considered a:

Homework Help:
[1DA_Population/parameter/sample/statistic/inferential/descriptive.e](#) (DOCX)

- Parameter
- Population
- Sample
- Statistic

Question 3 2 pts

The average age of students in a statistics class is 28 years. The 28 years would be considered an example of:

Homework Help:
[1DA_Population/parameter/sample/statistic/inferential/descriptive.e](#) (DOCX)

- A population
- Qualitative data
- Descriptive statistics
- Inferential statistics

Question 4 2 pts

The temperature of 26 selected refrigerators would be considered:

Homework Help:
[1DB_Qualitative/quantitative/nominal/ordinal/interval/ratio.e](#) (DOCX)

- Interval data
- Nominal data
- Ordinal data
- Ratio data

Question 5 2 pts

Marriage status (married, single, etc.) of the faculty at a university would be considered:

Homework Help:

QUESTIONS

- [Question 1](#)
- [Question 2](#)
- [Question 3](#)
- [Question 4](#)
- [Question 5](#)
- [Question 6](#)
- [Question 7](#)
- [Question 8](#)

Time Elapsed: [Hide](#)
Attempt due: May 13 at 12:59am
0 Minutes, 31 Seconds

Inbox



77, 92, 41, 75, 81

Homework Help:

[1VA. Calculating mean/standard deviation/variance \(population and sample\)](#) (2:57)

[1DF. Range/variance/standard deviation \(population and sample\) and shape of distribution, examples](#) (DOCX)

- 22.9
- 525.2
- 24.5
- 600.3



Question 11

2 pts

Which of the following would be the variance of this population data set: 3, 6, 8, 9, 4, 5, 7, 1, 9, 7, 5, 4, 3, 1

Homework Help:

[1VA. Calculating mean/standard deviation/variance \(population and sample\)](#) (2:57)

- 7.05
- 6.55
- 2.56
- 2.66



Question 12

2 pts

What is the relationship between variance and standard deviation?

Homework Help:

[1VA. Calculating mean/standard deviation/variance \(population and sample\)](#) (2:57)

[1DF. Range/variance/standard deviation \(population and sample\) and shape of distribution, examples](#) (DOCX)

- Standard deviation is the square root of the variance
- Variance is the square root of the standard deviation
- Variance is four times the standard deviation
- Standard deviation is four times the variance



Question 13

2 pts

If data set A has a larger standard deviation than data set B, what would be different about their distributions?

Homework Help:

[1VB. Data distribution comparisons of means and standard deviations, examples](#) (3:01)

[1DF. Range/variance/standard deviation \(population and sample\) and shape of distribution, examples](#) (DOCX)

- Data set A would have a larger mean
- Data set A would have flatter distribution with more data in each tail
- Data set A would have more data near the center of the distribution
- Data set A would have most of its data to one side of the distribution



Question 14

2 pts

In a normally distributed data set a mean of 55 where 95% of the data fall between 47.4 and 62.6, what would be the standard deviation of that data set?

Homework Help:

[1VC. Empirical rule definitions and calculations](#) (4:56)

[1DG. Standard scores and Empirical Rule definitions and calculations](#) (DOCX)

- 3.8
- 1.9
- 5.7
- 7.6

Vertical bar chart that shows frequency on the y-axis

A sample where the population is divided into groups and several groups are randomly selected from all from those selected groups are sampled

Collection of all counts that are of interest

A subset or part of a population

A sample where the population is divided into groups and several are randomly sampled from each group

Consists of attributes, labels, or nonnumerical entries

Question 20 2 pts

Match the terms and their definitions

Homework Help:

[1DE. Mean/median/mode/right skewed/left skewed/normal](#) Ⓢ (DOCX)

[1DF. Range/variance/standard deviation \(population and sample\) and shape of distribution, examples](#) Ⓢ (DOCX)

[1DG. Standard scores and Empirical Rule definitions and calculations](#) Ⓢ (DOCX)

The most frequent number appearing in a dataset

The average

The percentage of data that falls within 1, 2, or 3 standard deviations of the mean in a symmetrical, bell-shaped distribution

The square root of the variance

Show how far a particular data point is from the mean in terms of the number of standard deviations

 Top