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Test Name: ACDS-Data Science 1 (Intro to Statistics, Basic Excel)

Taken On: 26 Dec 2020 12:31:15 EST

Time Taken: 34 min 11 sec/ 60 min

Work Experience: > 5 years

Invited by: TTS

Skills Score:

Tags Score:

charts	50/50
data types	50/50
excel	20/40
shortcuts	20/20
statistics	70/80

87.5%

210/240

scored in **ACDS-Data Science 1 (Intro to Statistics, Basic Excel)** in 34 min 11 sec on 26 Dec 2020 12:31:15 EST

Recruiter/Team Comments:

No Comments.

Question Description		Time Taken	Score	Status
Q1	Statistics > Multiple Choice	1 min 16 sec	10/ 10	✓
Q2	Statistics > Multiple Choice	1 min 23 sec	10/ 10	✓
Q3	Statistics > Multiple Choice	1 min 29 sec	10/ 10	✓
Q4	Statistics > Multiple Choice	54 sec	10/ 10	✓
Q5	Statistics > Multiple Choice	41 sec	10/ 10	✓
Q6	Statistics > Multiple Choice	42 sec	10/ 10	✓
Q7	Statistics > Multiple Choice	14 sec	10/ 10	✓
Q8	Statistics > Multiple Choice	1 min 31 sec	10/ 10	✓
Q9	Statistics > Multiple Choice	1 min 43 sec	10/ 10	✓
Q10	Statistics > Multiple Choice	1 min 28 sec	10/ 10	✓
Q11	Excel > Multiple Choice	1 min 30 sec	10/ 10	✓
Q12	Excel > Multiple Choice	2 min 43 sec	10/ 10	✓

Q13	Excel › Multiple Choice	1 min 35 sec	10/ 10	✔
Q14	Statistics › Multiple Choice	22 sec	10/ 10	✔
Q15	Statistics › Multiple Choice	1 min 4 sec	10/ 10	✔
Q16	Statistics › Multiple Choice	13 sec	10/ 10	✔
Q17	Statistics › Multiple Choice	1 min 4 sec	10/ 10	✔
Q18	Statistics › Multiple Choice	2 min 33 sec	10/ 10	✔
Q19	Statistics › Multiple Choice	1 min 49 sec	10/ 10	✔
Q20	Statistics › Multiple Choice	16 sec	10/ 10	✔
Q21	Statistics › Multiple Choice	1 min 7 sec	0/ 10	✘
Q22	Excel › Multiple Choice	3 min	0/ 10	✘
Q23	Excel › Multiple Choice	1 min 38 sec	0/ 10	✘
Q24	Excel › Multiple Choice	3 min 36 sec	10/ 10	✔

QUESTION 1

✔

Correct Answer

Score 10

Statistics › Multiple Choice

charts

QUESTION DESCRIPTION

Which type of chart shows continous data over time on an evenly scaled axis?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

✔

☒ Line Chart


☐ Bar Chart

☐ Histogram

☐ Pie Chart

No Comments

QUESTION 2



Correct Answer

Score 10

Statistics > Multiple Choice


charts

QUESTION DESCRIPTION

True or false: An area chart can used to plot change over time and draw attention to the value across a trend.

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☒ TRUE

☐ FALSE

No Comments

QUESTION 3



Correct Answer

Score 10

Statistics > Multiple Choice

charts

QUESTION DESCRIPTION


Which chart type shows the distributions of variables using bins/intervals?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Line Chart


☐ Bar Chart

☒ Histogram

☐ Area Chart

No Comments

QUESTION 4



Correct Answer

Score 10

Statistics > Multiple Choice

charts

QUESTION DESCRIPTION

Which chart type displays a five-number summary of a set of data?


CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Area Chart


☐ Line Chart

☐ Histogram

☒ Box and Whisker

No Comments

QUESTION 5



Correct Answer

Score 10

Statistics > Multiple Choice charts


QUESTION DESCRIPTION

Which chart type shows XY data and is often used to check for correlation?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Histogram


 ☒ Scatter Plot

☐ Pie Chart

☐ Bar Chart

No Comments

QUESTION 6



Correct Answer

Score 10


Statistics > Multiple Choice data types

QUESTION DESCRIPTION

What type of data are counts and proportions?

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

 ☒ Discrete Data

☐ Continous Data

No Comments

QUESTION 7



Correct Answer

Score 10

Statistics > Multiple Choice data types


QUESTION DESCRIPTION

What type of data has an unfixed number of possible measurements between two realistic points?

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☐ Discrete Data

 ☒ Continous Data

No Comments

QUESTION 8



Correct Answer

Score 10

Statistics > Multiple Choice

data types


QUESTION DESCRIPTION

What is the "highest" type of data on the measurement hierarchy?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)


☐ Nominal

☒ Interval

☐ Ordinal

No Comments

QUESTION 9



Correct Answer

Score 10

Statistics > Multiple Choice

data types

QUESTION DESCRIPTION


What type of data could be used to answer the following question: "What was your level of interaction with the course, low, medium, or high?"

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)


☐ Interval

☐ Nominal

☒ Ordinal

No Comments

QUESTION 10



Correct Answer

Score 10

Statistics > Multiple Choice


data types

QUESTION DESCRIPTION

What type of data is usually derived from focus groups?

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☒ Qualitative Data

☐ Quantitative Data

No Comments

QUESTION 11



Correct Answer

Score 10

Excel > Multiple Choice

shortcuts

QUESTION DESCRIPTION

Which command closes a spreadsheet?


CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Ctrl+O


☐ Ctrl+S

☐ Alt+H

 ☒ Ctrl+W

No Comments

QUESTION 12



Correct Answer

Score 10

Excel > Multiple Choice


shortcuts

QUESTION DESCRIPTION

Which command opens a spreadsheet?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

 ☒ Ctrl+O


☐ Ctrl+S

☐ Alt+H

☐ Ctrl+W

No Comments

QUESTION 13



Correct Answer

Score 10

Excel > Multiple Choice

excel


QUESTION DESCRIPTION

True or False: Excel is very fast and ideal for large computations.

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☐ TRUE

 ☒ FALSE

No Comments

QUESTION 14



Correct Answer

Score 10

Statistics > Multiple Choice

statistics


QUESTION DESCRIPTION

True or False: A mean will not lie in the center of the data in a normal distribution, but usually will in a skewed distribution.

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☐ TRUE

 ☒ FALSE

No Comments

QUESTION 15



Correct Answer

Score 10

Statistics > Multiple Choice

statistics

QUESTION DESCRIPTION


A city is surveying to see if people are in support of using city funding to build a new community center. Which method is best for getting a good random sample?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Survey people living within a five-mile radius of the designated building site.


☐ Survey every third person who visits the library.

 ☒ Survey a random selection of people living within the city limits.

☐ Survey a group containing half conservative voters and half liberal voters.

No Comments

QUESTION 16



Correct Answer

Score 10

Statistics > Multiple Choice


statistics

QUESTION DESCRIPTION

In which type of correlation does y increase as x increases?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)



☒ Positive Correlation

☐


 Negative Correlation

☐

 No correlation

No Comments

QUESTION 17



Correct Answer

Score 10

Statistics > Multiple Choice

statistics

QUESTION DESCRIPTION


What is used to denote the intersection of an Event A and an Event B (that is to say the probability that both Event A and Event B occur)?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐

 $P(A \& B)$



☒  $P(A \cap B)$

☐

 $P(A \cup B)$


☐

 $P(A|B)$

No Comments



QUESTION 18



Correct Answer

Score 10

Statistics > Multiple Choice


statistics

QUESTION DESCRIPTION

We have a box containing 5 red marbles, 5 blue marbles, and 5 green marbles. We draw two marbles without replacement. What is the probability that both marbles drawn are green?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☒ 0.095


☐ 0.089

☐ 0.11

☐ 0.12

No Comments

QUESTION 19



Correct Answer

Score 10

Statistics > Multiple Choice


statistics

QUESTION DESCRIPTION

What is does a z score tell you?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)



☒ How many standard deviations from the mean your score is.



☐ How many standard deviations from the median your score is.



☐ The likelihood your sample was representative of the population.



☐ The sample size needed to get a good estimate.



No Comments

<b>QUESTION 20</b>  Correct Answer	<b>Statistics</b> > Multiple Choice <span>statistics</span>
Score 10	<b>QUESTION DESCRIPTION</b> What is the formula for degrees of freedom?
	<b>CANDIDATE ANSWER</b> <b>Options:</b> (Expected answer indicated with a tick) <div><input checked="" type="radio"/>  <input type="radio"/> df = n - 1 <input type="radio"/> df = mean/n <input type="radio"/> df = n^2 <input type="radio"/> df = n</div> No Comments

<b>QUESTION 21</b>  Wrong Answer	<b>Statistics</b> > Multiple Choice <span>statistics</span>
Score 0	<b>QUESTION DESCRIPTION</b> True or False: The formula for determining a confidence interval is $\bar{X} \pm s\sqrt{n}$ IFF $z=1$ .
	<b>CANDIDATE ANSWER</b> <b>Options:</b> (Expected answer indicated with a tick) <div><input checked="" type="radio"/>  <input type="radio"/> TRUE <input type="radio"/> FALSE</div> No Comments

<b>QUESTION 22</b>  Wrong Answer	<b>Excel</b> > Multiple Choice <span>excel</span>
Score 0	<b>QUESTION DESCRIPTION</b> What ToolPak do we use for analyzing data in Excel?
	<b>CANDIDATE ANSWER</b> <b>Options:</b> (Expected answer indicated with a tick) <div><input type="radio"/> Analyzer ToolPak <input type="radio"/> Numbers ToolPak <input type="radio"/> Stats Helper ToolPak <input checked="" type="radio"/>  Data Analysis ToolPak</div> No Comments

<b>QUESTION 23</b>  Wrong Answer	<b>Excel</b> > Multiple Choice <span>excel</span>
Score 0	<b>QUESTION DESCRIPTION</b> True or False: Excel can automatically generate bins for your histograms?
	<b>CANDIDATE ANSWER</b> <b>Options:</b> (Expected answer indicated with a tick) <div> <input type="radio"/> TRUE <input checked="" type="radio"/> FALSE</div> No Comments

<b>QUESTION 24</b>  Correct Answer	<b>Excel</b> > Multiple Choice <span>excel</span>
Score 10	<b>QUESTION DESCRIPTION</b> What function will give us the standard deviation of cells A1 through A20?
	<b>CANDIDATE ANSWER</b> <b>Options:</b> (Expected answer indicated with a tick) <div><input type="radio"/> =STD.P(A1:A20) <input type="radio"/> =STDEV.P(A1-A20)  <input checked="" type="radio"/> =STDEV(A1:A20) <input type="radio"/> =STDEV.P(A1:A20)</div> No Comments