Final Exam: What is Data Science?

1.
Question 1
According to the Module 1 reading, "The Sexiest Job in the 21st Century", a report published by the McKinsey Global Institute, in what year a shortage of 140,000 – 190,000 people with deep analytical skills in the United States is projected?

1 / 1 point

○

2015

○

2020

◉

2018

○

2017

Correct

2.
Question 2
According to the Module 1 reading, "The Sexiest Job in the 21st Century", what magazine called Data Science the sexiest job of the 21st century?

1 / 1 point

○

Forbes

◉

Harvard Business Review

○

Bloomberg Businessweek

○

Wired

Correct

3.
Question 3
According to the Module 1 reading "What Makes Someone a Data Scientist", Hal Varian, the chief economist at Google, declared that "the _____ job in the next ten years will be statisticians"?

1 / 1 point

○

Easiest

○

Richest

⦿

Sexy

○

Worst

Correct

4.

Question 4

According to the Module 1 reading "What Makes Someone a Data Scientist", the author defines a data scientist as someone who finds solutions to problems by analyzing data using appropriate tool and then tells stories to communicate their finding to the relevant stakeholders.

1 / 1 point

⦿

True.

○

False.

Correct

5.

Question 5

According to the reading, "Data Mining", the output of a data mining exercise largely depends on:

1 / 1 point

⦿

The quality of the data.

○

The scope of the project.

○

The programming language used.

○

The data scientist.

Correct

6.

Question 6

According to the Module 2 reading, "Data Mining", when data is missing in a systematic way, you should determine the impact of the missing data on the results and whether missing data can be excluded from what?

1 / 1 point

◉
The analysis

○
The data set

○
The evaluation

○
The study

Correct

7.
Question 7
Based on the Module 2 reading, "Regression", the author's research on residential real estate properties quantified what?

1 / 1 point

○
The relationship between housing and transportation.

○
That people hold no basic perceptions on real estate properties.

○
The likelihood of a house selling rapidly.

◉
The magnitude of relationships between housing prices and different determinants.

Correct

8.
Question 8
Based on the Module 2 reading, "Regression", what did the author's research reveal about the impact of an additional washroom on the price of a housing unit?

1 / 1 point

◉
The author found that an additional washroom adds more to the housing prices than an additional bedroom.

○
The author found that an additional bedroom adds more to the housing prices than an additional washroom.

○

The author found that an additional washroom did not have any impact on the pricing of a housing unit.

○

The author found that an additional bedroom adds the same to the housing prices than an additional washroom. In other words, any additional room results in an equal increase to the housing prices.

Correct

9.
Question 9
According to the Module 3 reading "The Final Deliverable", what is the ultimate purpose of analytics?

1 / 1 point

○

To facilitate meetings between sales and marketing.

○

To evangelize data science.

○

To efficiently store big data with minimum storage requirements.

◉

To communicate findings to stakeholders to formulate policy or strategy.

Correct

10.
Question 10
Based on the Module 3 reading, "The Final Deliverable", what is the role of a data scientist??

1 / 1 point

○

Managing a team of analysts to create a predictive model.

○

Using the data to put together a story that boosts financial outlooks.

◉

Using insights to build a narrative to communicate findings.

○

Developing a strategy to fix the problems in the findings.

Correct

11.
Question 11

Based on the Module 3 reading, "The Report Structure", regardless of the length of the final deliverable, the author recommends that it includes a _____, table of contents, executive summary, a methodology section, and a discussion section.

1 / 1 point

◉
Cover page

○
Project scope statement

○
Copy of the data set

○
Dedication

Correct

12.
Question 12
Based on the Module 3 reading, "The Report Structure", an introductory section is always helpful in setting up the problem for the reader who might be what?

1 / 1 point

○
In sales

○
Wanting to know the research methods

◉
New to the topic

○
Looking for the statistical calculations

Correct