## Week 6 Assignment 6

Due on 2018-06-11, 23:50:00

The data file for this assignment is "Week6Assignment6Data.csv". Do not submit anything else with your submission.

### Part 1: Question 1

1. What is the best way to use the data in a machine learning model? **1 point**

   - Use only the features in the dataset.
   - Use only the features that are relevant to the target variable.
   - Use all the features in the dataset.
   - Use features that are correlated with the target variable.

2. What is the role of data in machine learning models? **1 point**

   - Data is used to train the model.
   - Data is used to test the model.
   - Data is used to validate the model.
   - Data is used to evaluate the model.

3. What is the importance of data quality? **1 point**

   - High-quality data leads to better model performance.
   - High-quality data leads to faster model training.
   - High-quality data leads to lower computational costs.
   - High-quality data leads to more accurate predictions.

### Part 2: Question 2

1. Which of the following is **NOT** a display tool for data? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

2. Which of the following tools is commonly used for data exploration? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

3. Which of the following tools is used for data visualization? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

4. Which of the following tools is used for data analysis? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 3: Question 3

1. Which of the following tools is used for predictive analysis? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

2. Which of the following tools is used for decision making? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

3. Which of the following tools is used for data visualization? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 4: Question 4

1. Identify the patterns shown below. **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 5: Question 5

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 6: Question 6

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 7: Question 7

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 8: Question 8

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 9: Question 9

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 10: Question 10

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 11: Question 11

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar

### Part 12: Question 12

1. Which of the following is a common issue with data? **1 point**

   - Data quality
   - Data volume
   - Data variety
   - Data velocity

2. Which of the following tools is used for data quality assessment? **1 point**

   - Table
   - Scatterplot
   - Heatmap
   - Radar