10 Lecture - CS101

Important Mcqs

1. What is data manipulation?

- A) The process of creating data
- B) The process of transforming data to prepare it for analysis or visualization
- C) The process of analyzing data
- D) The process of storing data

Answer: B

2. Which of the following is not a data manipulation technique?

- A) Aggregating
- B) Filtering
- C) Sorting
- D) Backup

Answer: D

3. What is the purpose of cleaning data in data manipulation?

- A) To make it more difficult to analyze
- B) To remove errors and inconsistencies
- C) To reduce the size of the dataset
- D) To create new data

Answer: B

4. What is joining in data manipulation?

- A) The process of cleaning data
- B) The process of selecting a subset of data based on specific criteria
- C) The process of combining data from multiple sources based on a common variable
- D) The process of summarizing data by calculating totals or averages

Answer: C

5. Which tool is commonly used for data manipulation?

- A) Microsoft Word
- B) Google Drive
- C) Microsoft Excel
- D) Adobe Photoshop

Answer: C

6. What is data wrangling?

- A) The process of cleaning and transforming data to make it more suitable for analysis
- B) The process of creating data

- C) The process of analyzing data
- D) The process of storing data

Answer: A

7. Which of the following is not a step in data cleaning?

- A) Identifying errors
- B) Removing duplicates
- C) Merging data
- D) Transforming data into a standardized format

Answer: C

8. What is data munging?

- A) The process of cleaning and transforming data to make it more suitable for analysis
- B) The process of creating data
- C) The process of analyzing data
- D) The process of storing data

Answer: A

9. What is the importance of data manipulation in machine learning?

- A) It is not important for machine learning
- B) It is important for creating data visualizations
- C) It is important for transforming raw data into a format suitable for training machine learning models
- D) It is important for identifying errors in data

Answer: C

10. Which programming languages are commonly used for data manipulation?

- A) Python and R
- B) Java and C++
- C) Ruby and PHP
- D) HTML and CSS

Answer: A