

# 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**