# 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**