

3. The Subset of AI

Worksheet

A. Choose the correct option:

1. What is Data Science?
 - (a) Studying computer hardware
 - (b) Extracting insights from data
 - (c) Developing video games
 - (d) Building robots
2. Which subset focuses on teaching computers to understand human language?
 - (a) Computer Vision
 - (b) Data Science
 - (c) Natural Language Processing (NLP)
 - (d) Quantum Computing
3. What does Computer Vision primarily deal with?
 - (a) Understanding human language
 - (b) Interpreting and analyzing visual information
 - (c) Predictive analytics
 - (d) Virtual reality development
4. Which subset involves the study of statistical methods and machine learning algorithms?
 - (a) Natural Language Processing (NLP)
 - (b) Computer Vision
 - (c) Data Science
 - (d) Cybersecurity
5. What is a key application of Natural Language Processing?
 - (a) Image recognition
 - (b) Chatbots
 - (c) Predictive analytics
 - (d) Weather forecasting
6. Which subset focuses on facial recognition and autonomous vehicles?
 - (a) Data Science
 - (b) Natural Language Processing (NLP)
 - (c) Computer Vision
 - (d) Augmented Reality
7. What is the primary goal of Data Science?
 - (a) Understanding human language
 - (b) Extracting insights from data
 - (c) Interpreting visual information
 - (d) Designing user interfaces
8. What involves the process of cleaning, transforming, and organizing raw data?
 - (a) Data pre-processing
 - (b) Image recognition
 - (c) Language translation
 - (d) Augmented reality
9. Which subset involves analyzing patterns in large datasets for decision-making?
 - (a) Natural Language Processing (NLP)
 - (b) Data Science
 - (c) Computer Vision
 - (d) Robotics
10. In a nutshell, what does Computer Vision specialize in?
 - (a) Understanding human language
 - (b) Analyzing visual information
 - (c) Extracting insights from data
 - (d) Quantum computing

B. Rewrite the statements correcting the mistakes in it.

1. Data Science is primarily focused on developing video games.
2. Natural Language Processing (NLP) is mainly concerned with analyzing visual information.
3. Computer Vision's primary goal is to interpret and organize raw data.
4. In Data Science, cleaning and transforming raw data are not part of the process.
5. The main application of Natural Language Processing is image recognition.