

Introduction to Machine Learning-1

Assignment Questions



Q1: Explain the following with an example:

1. Artificial Intelligence
2. Machine Learning
3. Deep Learning

Q2: What is supervised learning? List some examples of supervised learning.

Q3: What is unsupervised learning? List some examples of unsupervised learning.

Q4: What is the difference between AI, ML, DL, and DS?

Q5: What are the main differences between supervised, unsupervised, and semi-supervised learning?

Q6: What is train, test and validation split? Explain the importance of each term.

Q7: How can unsupervised learning be used in anomaly detection?

Q8: List down some commonly used supervised learning algorithms and unsupervised learning algorithms.

Note: *Create your assignment in Jupyter notebook and upload it in GitHub & share that github repository link through your dashboard. Make sure the repository is public.*