

Lab2

In this module, the Continuous Assessment (CA) includes report writing on AI topics, which may require you to perform experiments. These experiments usually require datasets. In this lab, your task is to explore various resources to find datasets suitable for your chosen topic.

Following are some of the resources where you can find datasets:

- Research Trends – <https://paperswithcode.com/datasets>
- Kaggle (<https://www.kaggle.com/>)
- UCI Machine Learning Repository (<https://archive.ics.uci.edu/datasets>)
- Google Dataset Search (<https://datasetsearch.research.google.com/>)
- The Home of the U.S. Government's Open Data (<https://data.gov/>)
- Zenodo is a general-purpose open repository developed under the European OpenAIRE program and operated by CERN (<https://zenodo.org/search?page=1&size=20&q=dataset>)

Tasks:

- 1- At least select two datasets
- 2- Discuss the importance of selected datasets.
- 3- List Dataset properties
 - a. Size,
 - b. Dimension,
 - c. Granularity,
 - d. Data Types of each feature
 - e. Class label (Binary or Multi-Class)