

Lab 4 :Exploring Hugging Face for Model Development :for both scartch & predefined task

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In Observation:

Choose an appropriate machine learning method and manually work through the solution using at least 10 data samples.

A sample document is provided . you must not repplicate it , pick a problem of your choice and work.

In Record:

You are given a small dataset for a (e.g., Spam Detection or Sentiment Analysis or any problem of your choice).

Task 1: Build a Model from Scratch

Choose a suitable (Decision Tree / Naïve Bayes / Logistic Regression or any ML models). Implement the identified model (without using pretrained models).

Task 2: Solve the Same Problem Using a Pretrained Model

Use a to solve the same classification problem.

Compare the results with the manually solved and coded model.

Comment on performance, ease of use, and accuracy.