

# ISBESTSELLER PREDICTION

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CLASSIFICATION PROBLEM  
PROJECT PROPOSAL



## › NEED:

Many instructors are keen to provide the courses required in the market place, especially as they rely on the specific criteria to meet and succeed in this task. Predict whether the course is a best seller or not may be one of the most important criteria that motivates an instructors to offer that course. By using AI-based classification models, we can help the teacher to cover such a need.

## › DATA DESCRIPTION:

The data obtained by performing web scrapping on (<https://www.udemy.com>) website which include many courses with 65 languages and covering almost all subjects that anyone needs. The dataset consists of approximately 20,000 entries linked to 11 features. The features we concern with and get from this website for the courses are ["Title", "Instructor", "Description", "Rating", "Participants", "Original\_Praice", "Discount\_Price", "Hours", "num\_lectures", "Level", "Catogory", "isBestSaller"] where "isBestSaller" is the target.

## › TOOLS:

Technologies: python, google colab

Libraries: SKlearn, StatesModel,neighbors, svm, BeautifulSoup, Selenium, NumPy, Pandas, Matplotlib, Seaborn, langdetect, LinearRegression, time, os, Request, IPython.core.display.

## › MVP GOAL:

Create a baseline model and verify its result and adjust it based on the model observation.

