



- **Problem statement:**

Perform Natural Language Processing NLP in Arabic text-based Movies data and analyze the data to predict Movie type by using Unsupervised learning models.

- **Data Description:**

We used some Web scraping tools to scrap 1000 movie from **Fushaar.com**. In this project we will perform NLP in Arabic text-based data and analyze the data to predict movie type by using Unsupervised learning models.

- **Data type:**

- **Movie name:** the movie name
- **Production year:** the movie production year
- **Duration:** movie duration in min
- **Movie story:** movie summary
- **Quality:** movie resolution
- **Parental control:** age restrict

- **Data size:**

- **No. of rows:** 1000
- **No. of columns:** 6

- **Tools:**

- HTML
- Web Scraping: beautiful soup, selenium
- Programs: Python Jupyter Notebook
- Plots: bar plot, cat plot, pie chart

- **MVP Goal:**

The goal of this project is to perform NLP in Arabic text-based Movies data to predict movie type by using Unsupervised learning models.