



Artificial Intelligence / Machine Learning

Event: Dataset Analysation.

Prompt Release: 23rd June, 11:59 PM

Submission Deadline: 29th June, 11:59 PM

Submission Instructions:

Instructions:

Participants will be provided with 3 datasets.

These 3 datasets will contain the following information :

1.)Football Player Analysis

You will be given a dataset of the active footballers and their stats.

You are expected to make graphs for the following questions:

Q1) How many players are older than 21 years of age (Histogram)

Q2) What percentage of players belong to: (pie chart)

i)Germany

ii)Argentina

iii)England

iv)Other

2.)Salary Dataset - Simple linear regression

<https://docs.google.com/spreadsheets/d/1JRCkN0OQ2YBTJcnPoypkkrLCQgQ4Td6SkIMu0gGRA68/edit?usp=sharing>

You will be given a dataset of the salary of people with their work ex.

Using a suitable library (e.g., scikit-learn in Python), construct a linear regression model that predicts salary based on work experience within the dataset.

3.)Airbnb Reviews dataset

You will be given a dataset containing the reviews

You have to make graphs to answer these questions:

Q1) What percentage of AirBnb's are located in:

New Delhi

Mumbai

Turkey

Other cities

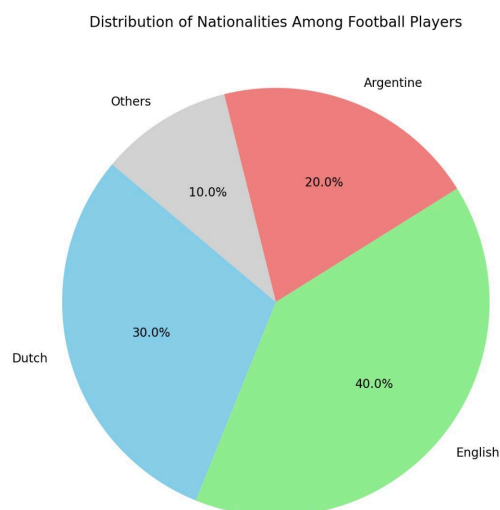
Q2) How many Airbnb's have a rating of 4 stars and above.

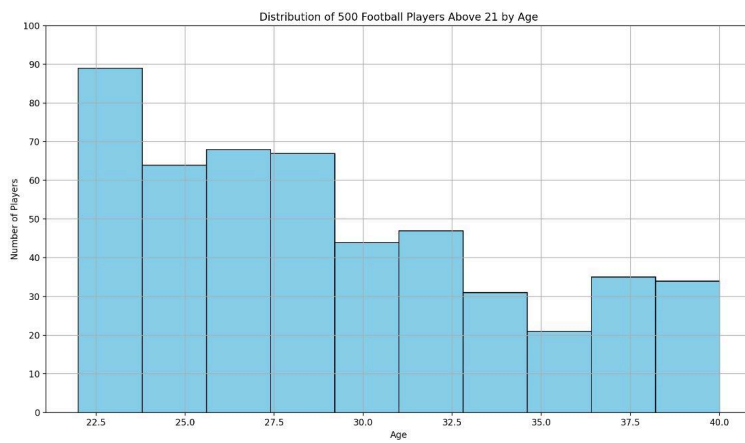
Q3)How many Airbnb's had:

15 guests,1 bedroom,2 beds,1 bathroom

2 guests, 1 bedroom, 1 bed ,1 bathroom

Example





Judgment Criteria

Practicality of Conclusions drawn, Quality of Charts/Graphs, Interactivity of Dashboard, Timely submission, quality of code.