**Prodigy InfoTech Internship**

**Task 4**

Analyze and visualize sentiment patterns in social media data to understand public opinion and attitudes towards specific topics or brands.

**Sample Dataset:** [Twitter Sentiment Analysis](https://www.kaggle.com/datasets/jp797498e/twitter-entity-sentiment-analysis?select=twitter_validation.csv) **A screenshot of a computer

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* **Understanding the Shape of Data**

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* **Data Cleaning**

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**A screenshot of a chat

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**A computer code with black text

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* **Data Exploration**

**A blurry image of text

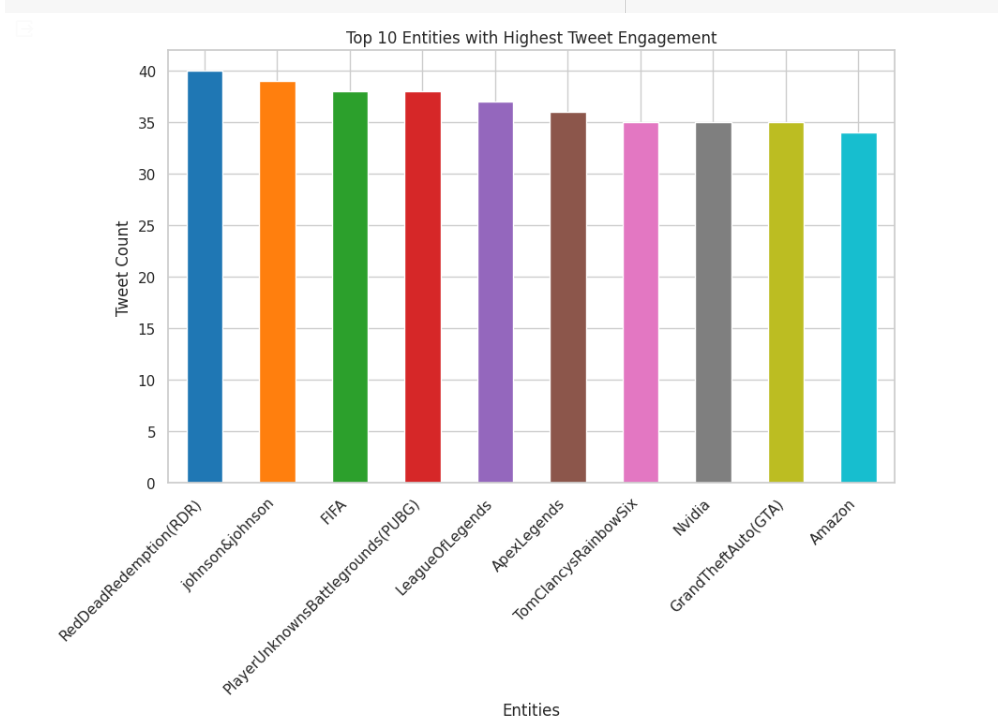
Description automatically generated**

**A graph of blue rectangular bars

Description automatically generated with medium confidence**

**A screenshot of a computer program

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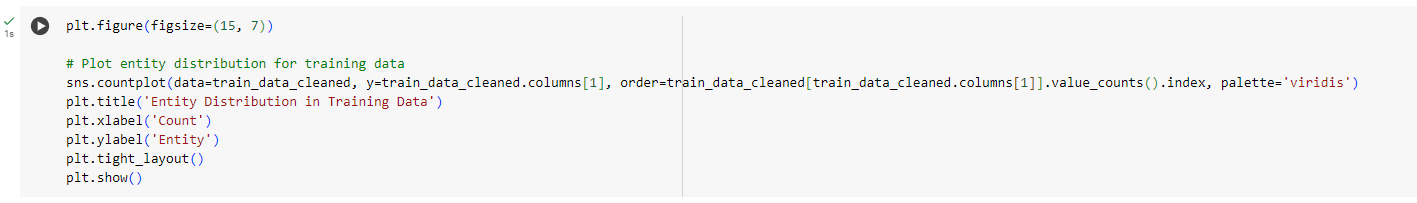
* **Exploratory Data Analysis(EDA)**

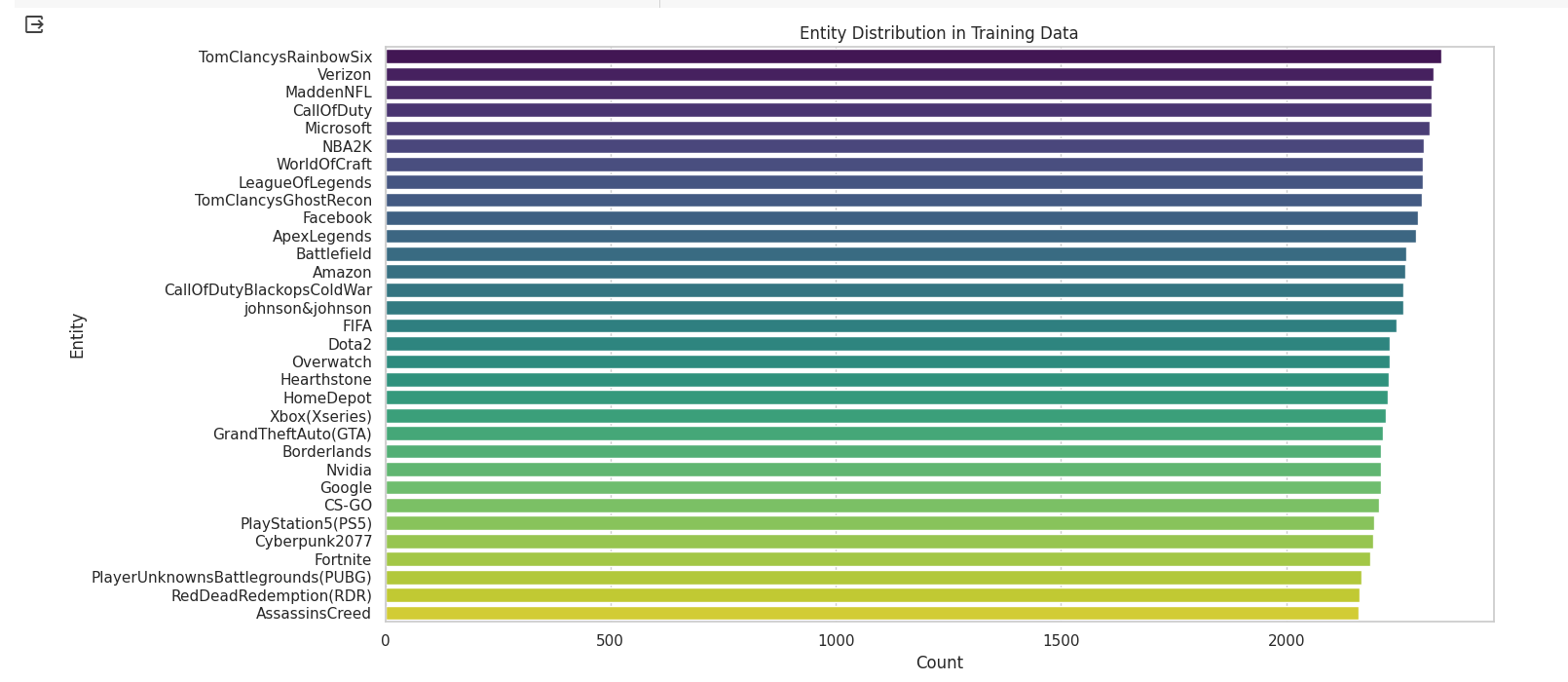
A computer screen shot of a program

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A pie chart with numbers and a red circle

Description automatically generated





A screenshot of a computer program

Description automatically generated

A close-up of a pie chart

Description automatically generated

* **Building Basic Model & Testing:**

**A screen shot of a computer code

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**A graph of a graph

Description automatically generated with medium confidence**

**A close-up of a computer screen

Description automatically generated**

**A graph of a number of data

Description automatically generated with medium confidence**

**A white screen with colorful text

Description automatically generated**

**A comparison of a graph

Description automatically generated with medium confidence**

**A screenshot of a computer program

Description automatically generated**

**A graph with blue rectangular bars

Description automatically generated**

**A computer screen shot of a computer code

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**A graph of different colored lines

Description automatically generated**

**A graph with blue bars

Description automatically generated**

**A computer code with black text

Description automatically generated**

**A graph with blue and white lines

Description automatically generated**

**A screenshot of a computer program

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