Movie Genre Classification

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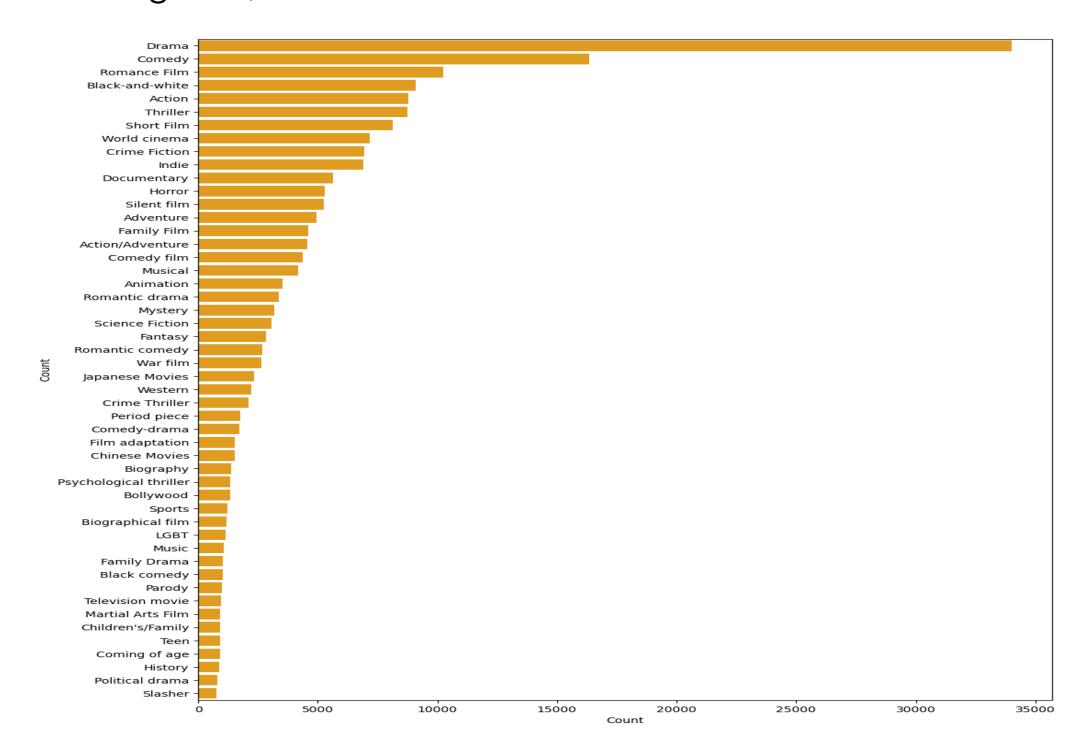
Introduction

Project Overview:

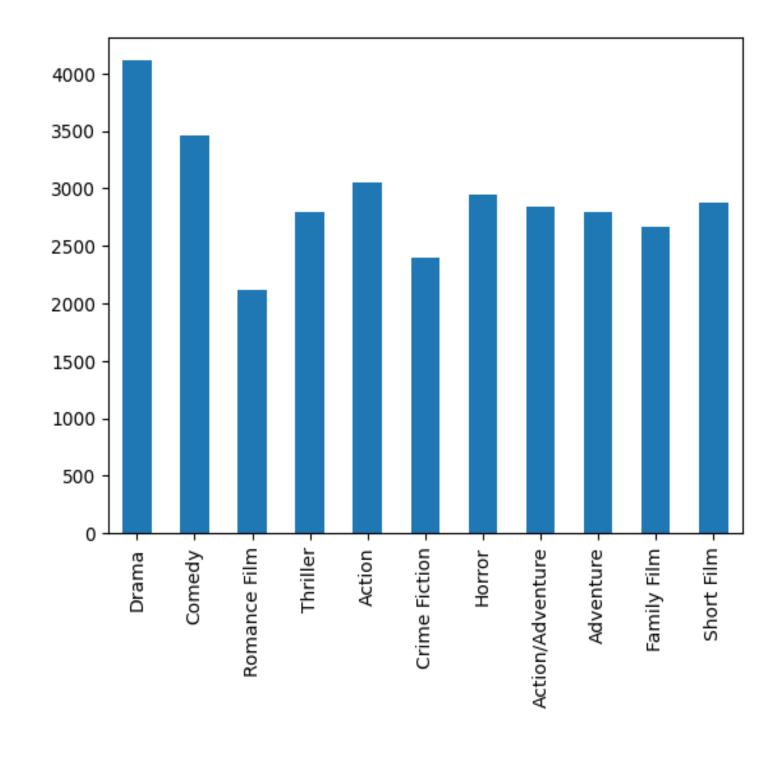
Movie genre classification plays a crucial role in content recommendation systems by providing personalized movie suggestions, boosting user engagement. It significantly improves search functionality, allowing for efficient genre-based filtering and accurate search results. It also provides valuable insights into audience preferences and market trends. This information is crucial for content producers and marketers to understand which genres are gaining popularity, which helps in making informed decisions about future content creation and marketing strategies.

Dataset:

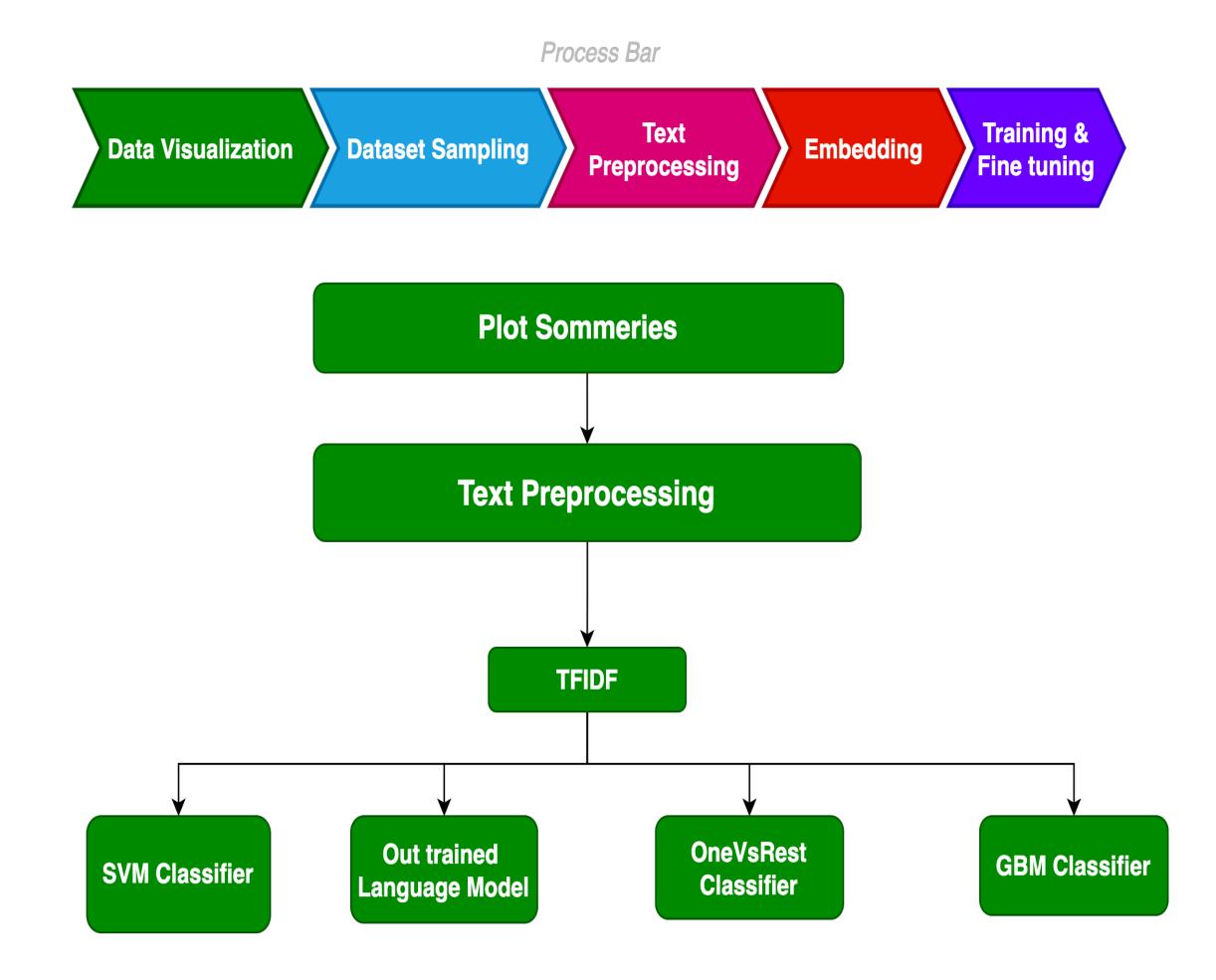
• 42,306 movie plot summaries extracted from IMDB and Wikipedia, including 362 different genres, metadata about the actors and the movies.



• Due to imbalanced number of labels for each movie genre, we needed to remove few-shot labels, and perform statistical sampling from the original dataset to prevent biased results from trained model.



Methodology





Results

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Conclusion

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References

[1] Yinglong Ma, Xiaofeng Liu, Lijiao Zhao, Yue Liang, Peng Zhang, and Beihong Jin. Hybrid embedding-based text representation for hierarchical multi-label text classification. Expert Systems with Applications, 187:115905, 2022.

[2] Linkun Cai, Yu Song, Tao Liu, and Kunli Zhang. A hybrid bert model that incorporates label semantics via adjustive attention for multi-label text classification. IEEE Access, 8:152183–152192, 2020.

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