

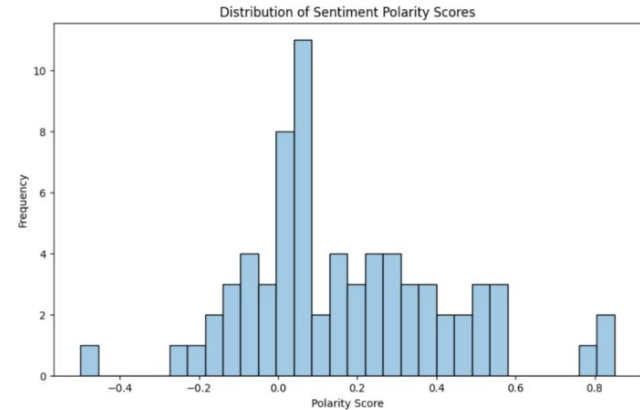
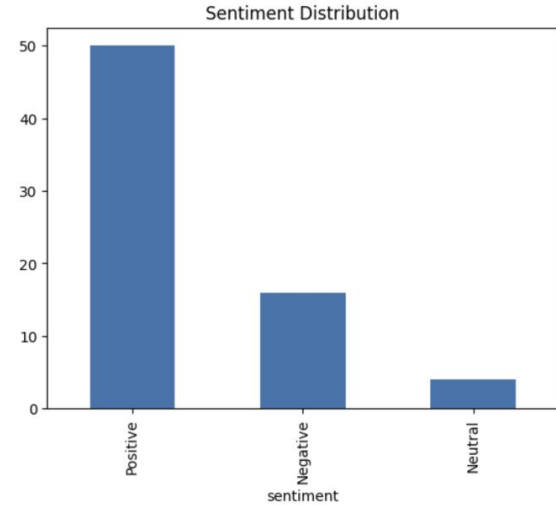


Exploring the Relationship : K-pop Lyrics and Song Popularity

Noelis A, Trisha C, Keira L, Rose Y

Introduction

1. Industry has witnessed growth
2. Goal: determine whether songs with positive lyrics, or the inclusion of English phrases, contribute to wider fame
3. Two types of data: lyrics and popularity



Methods Used

01

Linear Regression

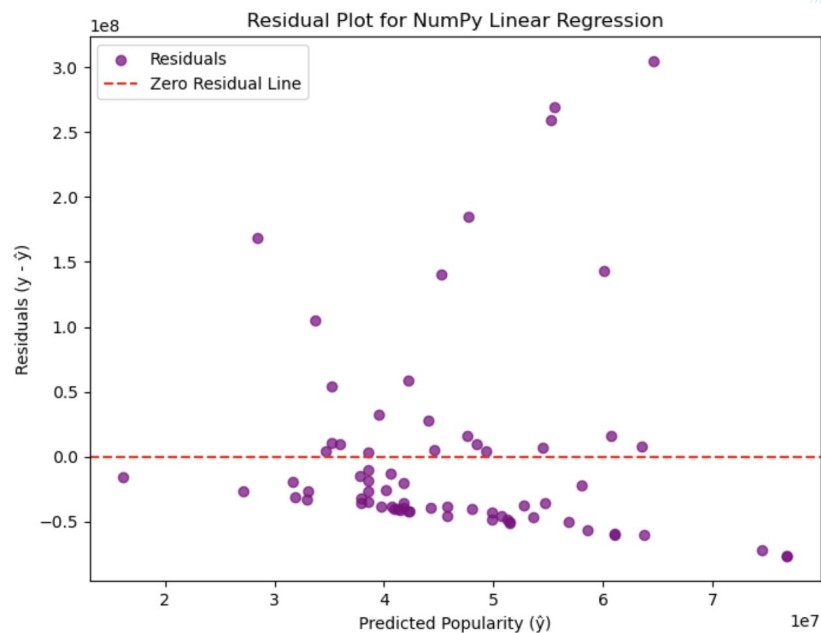
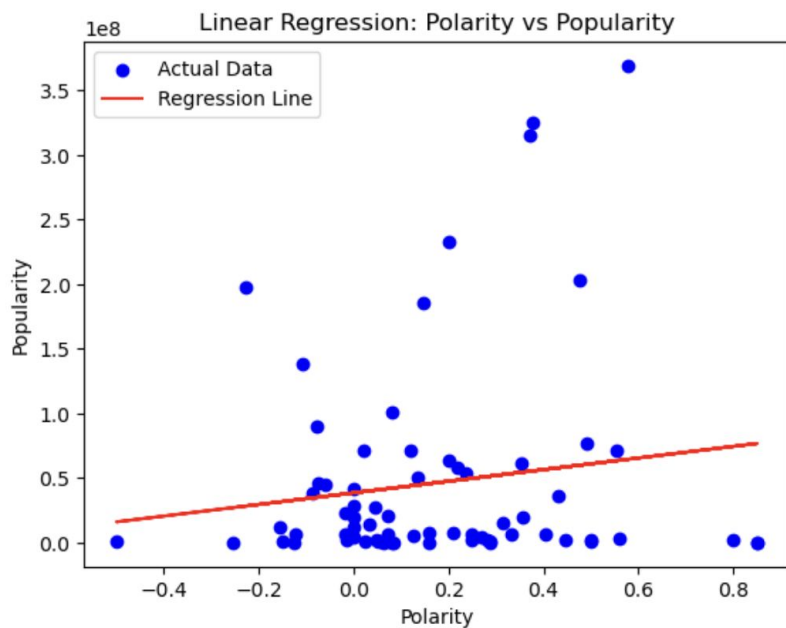
02

Polynomial
Regression

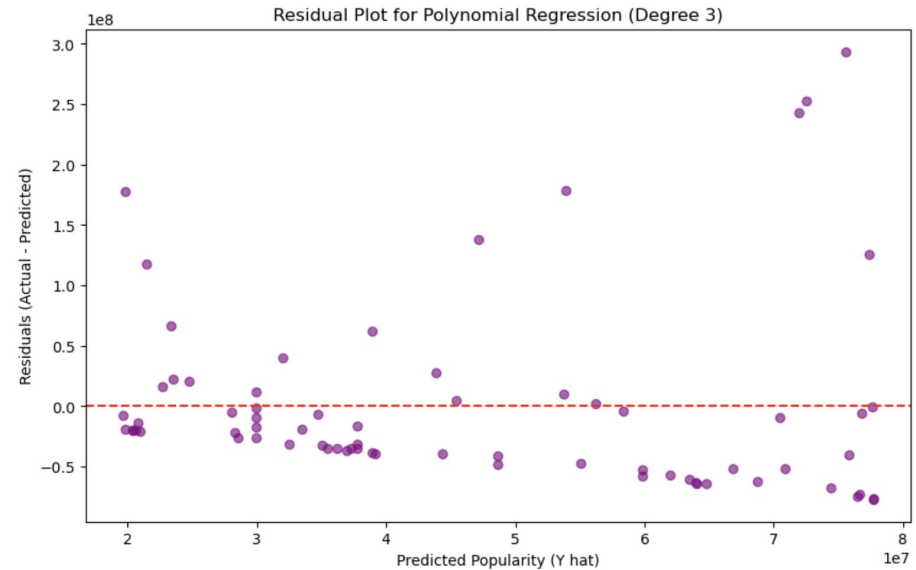
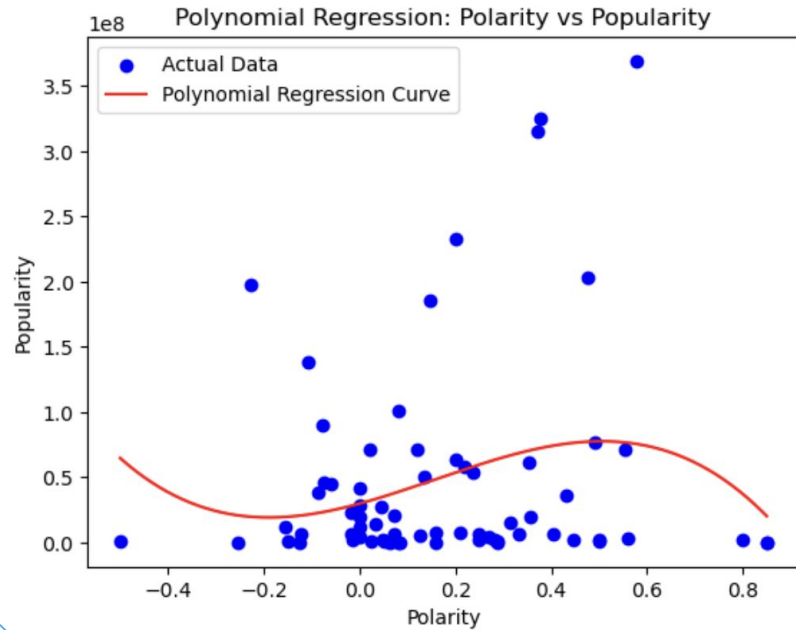
03

Clustering

Results (Linear Regression)

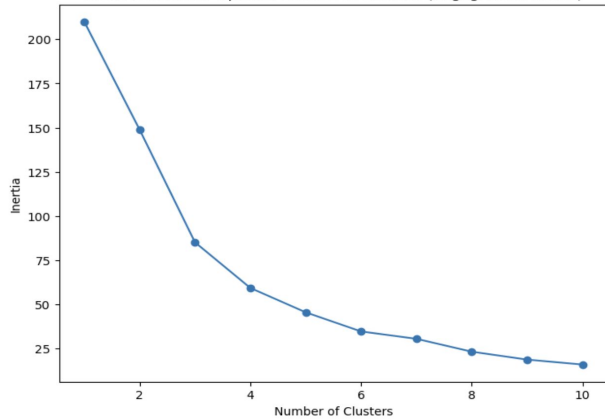


Results (Polynomial Regression)

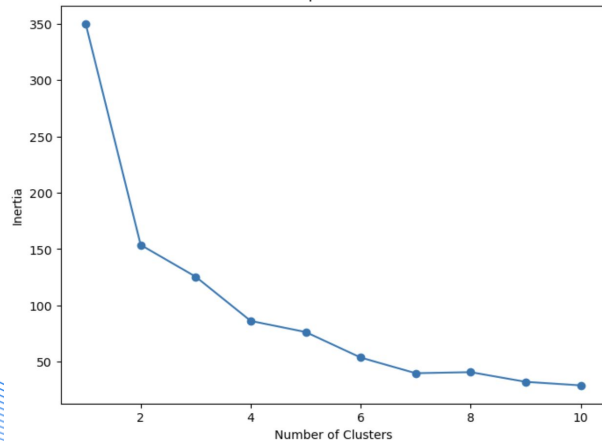


Results (Clustering)

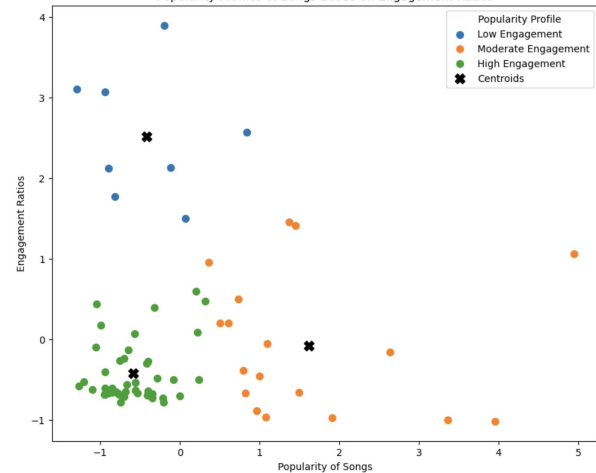
Elbow Method for Optimal Number of Clusters (Engagement Ratios)



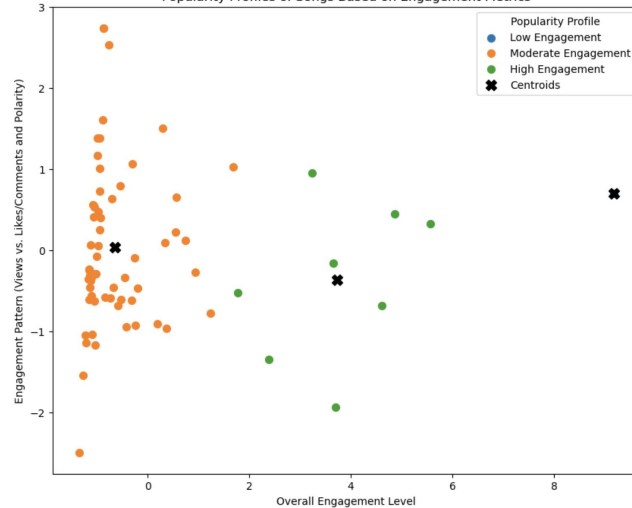
Elbow Method for Optimal Number of Clusters



Popularity Profiles of Songs Based on Engagement Ratios



Popularity Profiles of Songs Based on Engagement Metrics





Discussion



Thank You!

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