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Music Feature

Yi-Hsin Lu

June 9, 2022

Outline

- Introduction
- Data
- EDA
- Model
- Conclusion
- Reference

Introduction

Motivating Question

- Music
- Musicians
- Instruments

Focus problem

- Predict the genre of music
- Kaggle

Data

From

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Variables

- tempo
- beats
- chroma_stft
- rmse
- spectral_centroid
- spectral_bandwidth
- rolloff
- zero_crossing_rate
- mfcc1~20
- label

EDA

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ggpair

PCA

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t-SNE

Model

Logistic Regression

Random Forest

CART

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SVM

Conclusion

Reference