Description

What makes some songs become popular? The dataset describes about 20,000 popular songs based on auditory features such as loudness and tempo.\*

Goal

Construct a model using a dataset of popular songs to predict rating based on auditory features of the songs included in scoringData.csv.

Metric

Submissions will be evaluated based on **RMSE (root mean squared error)** (Wikipedia). Lower the RMSE, better the model. Read data and construct a simple model

songs = read.csv('analysisData.csv')

model = lm(rating~ tempo+time\_signature,songs)

Read in scoring data and apply model to generate predictions

scoringData = read.csv('scoringData.csv')

pred = predict(model,newdata=scoringData)

Construct submission from predictions

submissionFile = data.frame(id = scoringData$id, rating = pred)

write.csv(submissionFile, 'sample\_submission.csv',row.names = F)