We did construct a generalized additive model, but it did not provide a meaningfully different MSE – 886 instead of 888, and did not figure it was worth the loss in interpretability.

As this model uses data from 2000 to 2017, here’s how the model predicts 2018’s biggest hits –

Drake – God’s Plan: 51.56

Ed Sheeran – Perfect: 52.41

Childish Gambino – This is America: 47.41

Cardi B – Bodak Yellow: 48.49

Ed Sheeran – Shape of You: 45.70

Song with max danceability, max valence, and Q3 duration: 41

Song with min danceability, min valence, and Q1 duration: 66