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IMT589 - EDA Assignment
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Query

My domain of interest is music criticism on the Pitchfork music review site. Specifically, I'm wondering whether certain genres of music perform better or worse throughout the history of the site, or if they are all essentially the same. Some important background knowledge here is that Pitchfork rates albums on a 0-10 scale with deciles between each interval (0.0-10.0)

Process

I produced the data myself using a database from Kaggle and Python. I started by collecting the quarterly average for all of the reviews on the Pitchfork site from its inception until 2017. I started by looking at each week in the site's history. For weeks that did not have a review corresponding to a particular genre, I backfilled those values with a rolling mean within a 6 week window. I then aggregated by quarter for smoothing.

Answer

It seems that in Q1-2005, Global music massively outperformed all other genres by about .4 points on average. Further, in Q1-2017 Jazz albums outperformed other genres by .5! I suspect this might be because the site takes a month off at the end of the year from posting new reviews, and does a year-end review to fill out December. This shifts some of the releases to the following New Year.
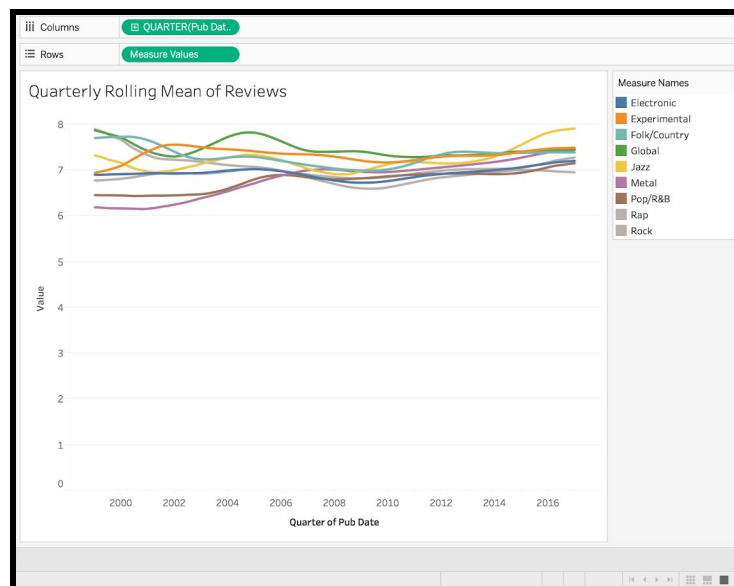

Figure 1; Visualization in Tableau

My Tableau project file and dataset are included as part of my submission.