Question 4

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Purpose

Purpose of this work folder.

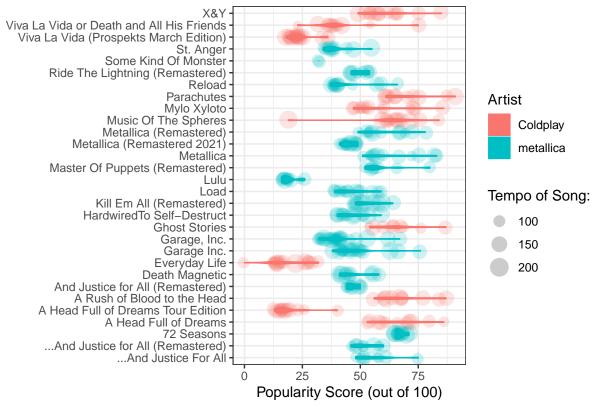
Ideally store a minimum working example data set in data folder.

Add binary files in bin, and closed R functions in code. Human Readable settings files (e.g. csv) should be placed in settings/

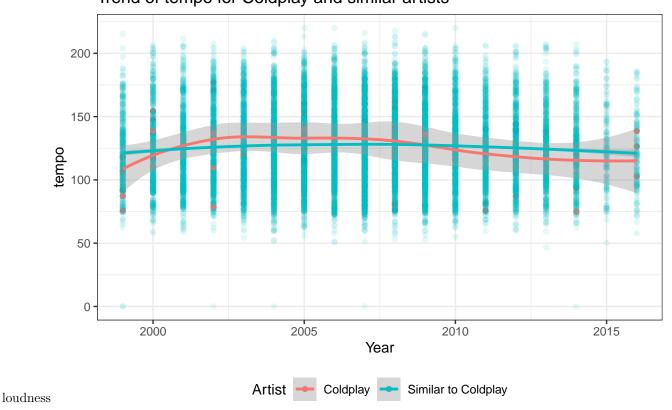
```
knitr::opts_chunk$set(echo = FALSE)
rm(list = ls()) # Clean your environment:
gc() # garbage collection - It can be useful to call gc after a large object has been removed, as this
##
           used (Mb) gc trigger (Mb) max used (Mb)
## Ncells 480025 25.7
                       1041298 55.7
                                      660402 35.3
## Vcells 889777 6.8
                        8388608 64.0 1770105 13.6
library(tidyverse)
## Warning: package 'ggplot2' was built under R version 4.3.3
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr
             1.1.4
                       v readr
                                   2.1.5
             1.0.0
                                   1.5.1
## v forcats
                        v stringr
## v ggplot2 3.5.1
                                   3.2.1
                       v tibble
## v lubridate 1.9.3
                        v tidyr
                                   1.3.1
## v purrr
              1.0.2
## -- Conflicts -----
                                        ## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                    masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
list.files('code/', full.names = T, recursive = T) %>% .[grepl('.R', .)] %>% as.list() %>% walk(~source
```

import_multiple_rds("data/Coldplay_vs_Metallica") #brings additional databases in

Song Popularity by Album for Coldplay and Meta



 $speechiness\ ,\ acousticness\ ,\ instrumentalness\ ,\ liveness\ ,\ valence\ ,\ tempo,\ duration_ms\ danceability\ energy\ key$ $Trend\ of\ tempo\ for\ Coldplay\ and\ similar\ artists$



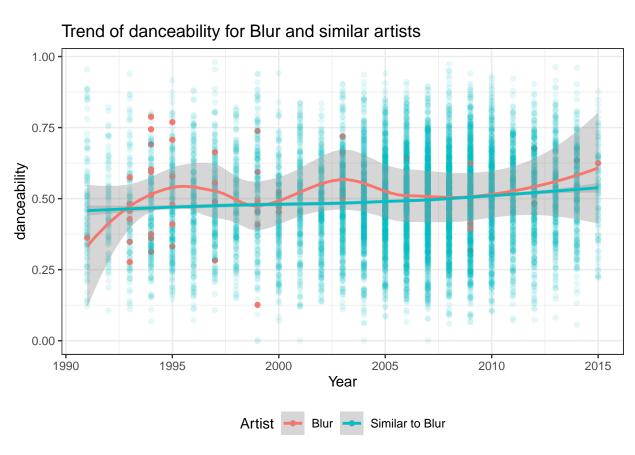


Figure 1: Time trend of danceability for Blur and similar artists

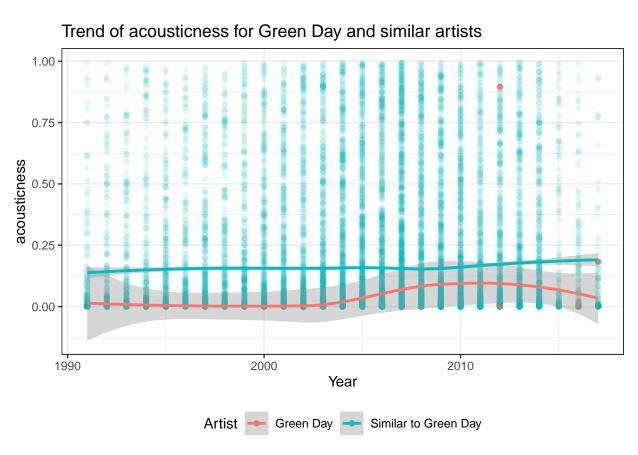


Figure 2: Time trend of acousticness for Green Day and similar artists

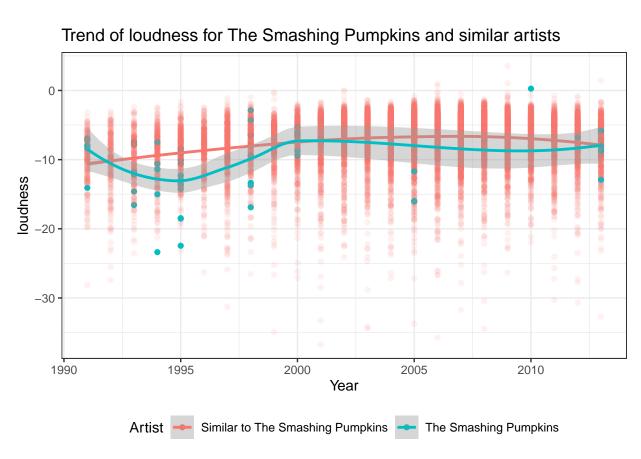


Figure 3: Time trend of loudness for The Smashing Pumpkins and similar artists