

Analysis of Hitsujibungaku's Spotify Data

Lexun Yu Colin Sihan Yang Siddharth Gowda Yuxuan Wei

October 10, 2024

Use the Spotify API to analyze data about ...

1 Introduction

This paper download data of three artists “A Boogie Wit da Hoodie”, “Radiohead” and “Pay money To my Pain” from Spotify API, and visualize the metadata obtained. First, we compare the length of released songs between the three artists. Second, we

This paper is written with the help of R (R Core Team 2023), and the following packages: spotifyr (Thompson et al. 2022), styler (Müller and Walthert 2024), tidyverse (Wickham et al. 2019), tinytex (Xie 2019), usethis (Wickham et al. 2024), lintr (Hester et al. 2024), here (Müller 2020), ggplot2 (Wickham 2016) and knitr (Xie 2014).

2 Data

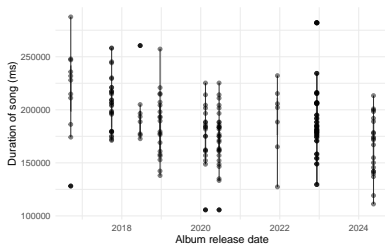


Figure 1

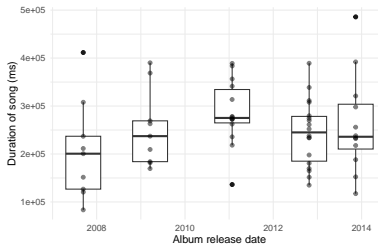


Figure 2

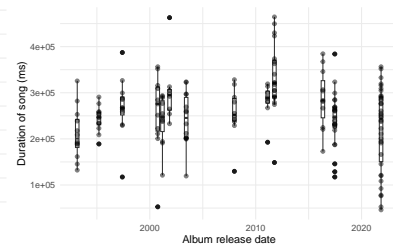


Figure 3

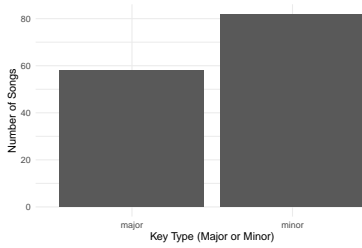


Figure 4

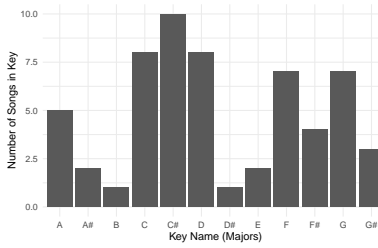


Figure 5

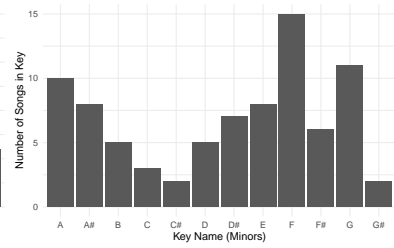


Figure 6

Bibliography

- Hester, Jim, Florent Angly, Russ Hyde, Michael Chirico, Kun Ren, Alexander Rosenstock, and Indrajeet Patil. 2024. *Lintr: A 'Linter' for r Code*. <https://CRAN.R-project.org/package=lintr>.
- Müller, Kirill. 2020. *Here: A Simpler Way to Find Your Files*. <https://CRAN.R-project.org/package=here>.
- Müller, Kirill, and Lorenz Walthert. 2024. *Styler: Non-Invasive Pretty Printing of r Code*. <https://CRAN.R-project.org/package=styler>.
- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Thompson, Charlie, Daniel Antal, Josiah Parry, Donal Phipps, and Tom Wolff. 2022. *Spotifyr: R Wrapper for the 'Spotify' Web API*. <https://github.com/charlie86/spotifyr>.
- Wickham, Hadley. 2016. *Ggplot2: Elegant Graphics for Data Analysis*. Springer-Verlag New York. <https://ggplot2.tidyverse.org>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. "Welcome to the tidyverse." *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.
- Wickham, Hadley, Jennifer Bryan, Malcolm Barrett, and Andy Teucher. 2024. *Usethis: Automate Package and Project Setup*. <https://CRAN.R-project.org/package=usethis>.
- Xie, Yihui. 2014. "Knitr: A Comprehensive Tool for Reproducible Research in R." In *Implementing Reproducible Computational Research*, edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng. Chapman; Hall/CRC.
- . 2019. "TinyTeX: A Lightweight, Cross-Platform, and Easy-to-Maintain LaTeX Distribution Based on TeX Live." *TUGboat* 40 (1): 30–32. <https://tug.org/TUGboat/Contents/contents40-1.html>.