

Toronto marriage data*

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Practice document for week three. Includes a brief explanation of the toronto marriage dataset and a graph.

1 Introduction

In this paper, we make use of R (R Core Team 2023) and the tidyverse package (**tidyverse?**) with supporting package dplyr(**dplyr?**) to analysis Spotify(An online music platform launched in 2008) around Elvis Presley(American celebrity, 1935-1977). The data set is from spotify API (**spotify_api?**), gathered using spotifyr (**spotifyr?**).The graph is created using ggplot. We have used some information and codes form the book Telling Stories With Data(**tellingstories?**) on accessing API.

The remainder of this paper is structured as follows: We talk about how the data is gained under **Data** section. And describe the method of data estimation we use in the Method section. Then, we provide a table that compares our estimation with actual data in the Results section. We then discusses reason of error in estimation Discussion section.

2 Data

In this section, we will discuss some aspect of the data, and outline how we will use the data.

As shown in (Figure 1), the date of album release span across 1956 to 2024. Note that album release was suspended at 1977, when Elvis Presley passed away, and resumed from 2010 onward. This is due to Spotify's new licensing agreements allowed releases of albums of classic artists.

There were also a lot of albums released in year 1997, 20 years after Elvis Presley have passed away. These albums were released to recognize this event.

*Code and data are available at: <https://github.com/UTDQi/reflection5>.

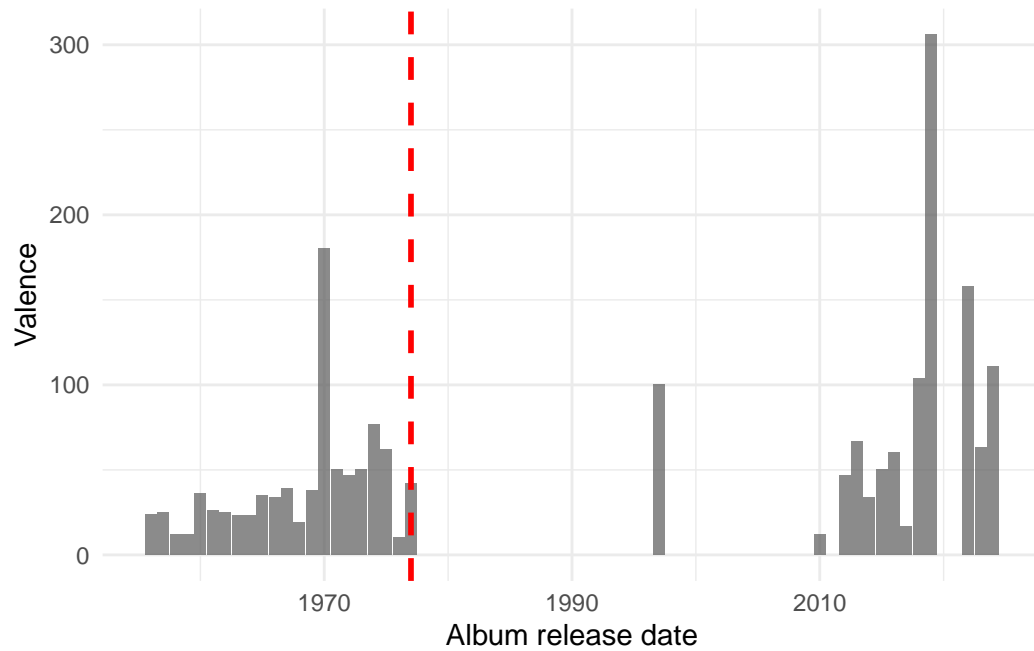


Figure 1

References

R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.