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1 Introduction

The structure of this paper is organized as follows: Section 2 presents the data sources, methodologies, and the visualization of the results. The findings are then discussed in Section 3, and additional detailed information is provided in the appendix at Section A.

2 Data

The dataset (Filipp 2024) comprises historical grocery prices collected from major Canadian retailers, including Voila, T&T, Loblaws, No Frills, Metro, Galleria, Walmart, and Save-On-Foods, spanning from February 28, 2024, to November 12, 2024. This comprehensive collection aims to facilitate academic research and legal analysis by providing insights into pricing trends and potential market behaviors within Canada’s grocery sector.

This project is motivated and guided by Rohan Alexander and his book (Alexander 2023). Data used in this paper were downloaded, cleaned and analyzed with the programming language R (R Core Team 2023). Also with the support of additional packages in R: `dplyr` (Wickham et al. 2023), `usethis` (Bryan and Wickham 2022), `magrittr` (Bache and Wickham 2022), `spotifyr` (Thompson, Harrison, and Ruckert 2022), `tidyverse` (Wickham 2023), `lubridate` (Grolemund and Wickham 2023), `here` (Müller 2023) and `readr` (Wickham and Hester 2023).

2.1 Source

Method of how data was processed can be found in Section [A](#).

2.2 Measurement

2.2.1 Acousticness

2.2.2 Energy

2.2.3 Danceability

2.3 Results

3 Discussion

3.1 The transition

3.2 Weaknesses and next steps

A Appendix

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