

Browser Wars on iPhone: Who is the User-acknowledged Winner in App Store?

Bozhou(Peter) Tan Leng Seong Che

2023-12-11

Abstract:

GitHub link: <https://github.com/petertbz/Final-Project-727.git>

Introduction

Method

Result

Discussion

Reference

- “CMA Plans Market Investigation into Mobile Browsers and Cloud Gaming.” n.d. *GOV.UK*. Accessed December 5, 2023. <https://www.gov.uk/government/news/cma-plans-market-investigation-into-mobile-browsers-and-cloud-gaming>.
- Cowling, Keith, and Dennis C. Mueller. 1978. “The Social Costs of Monopoly Power.” *The Economic Journal* 88 (352): 727–48. <https://doi.org/10.2307/2231975>.
- Dixit, Avinash K., and Joseph E. Stiglitz. 1993. “Monopolistic Competition and Optimum Product Diversity: Reply.” *The American Economic Review* 83 (1): 302–4. <https://www.jstor.org/stable/2117514>.
- Jenkins, Mark, Paul Liu, Rosa L. Matzkin, and Daniel L. McFadden. 2021. “The Browser War — Analysis of Markov Perfect Equilibrium in Markets with Dynamic Demand Effects.” *Journal of Econometrics* 222 (1): 244–60. <https://doi.org/10.1016/j.jeconom.2020.07.034>.
- Joh, Elizabeth, and Thomas Joo. n.d. “The Harms of Police Surveillance Technology Monopolies.”

Table 1: Rating, Number of Positive Reviews, and Number of Negative Reviews by Browser

Browser	Rating	Number of Positive Reviews	Number of Negative Reviews
chrome	2.782	264	236
edge	3.752	397	103
firefox	3.046	300	200
safari	2.852	258	242
opera	4.000	422	78

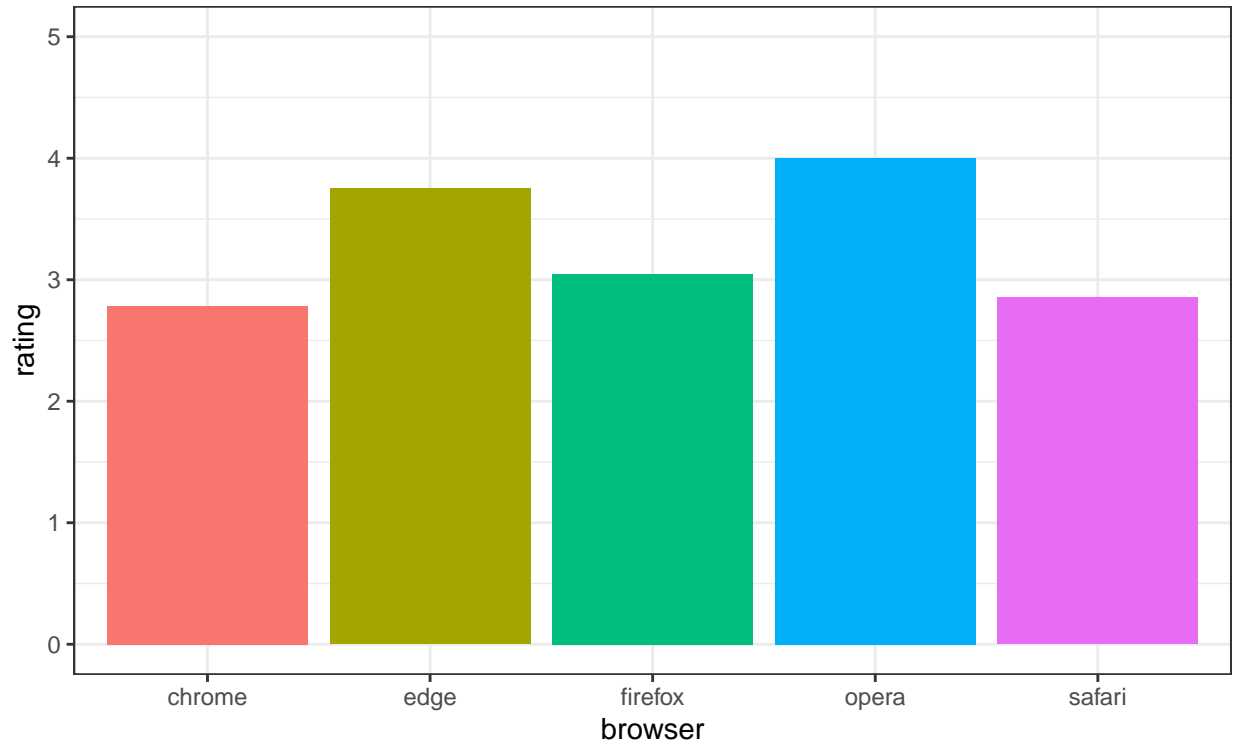


Figure 1: Ratings of Each Browser

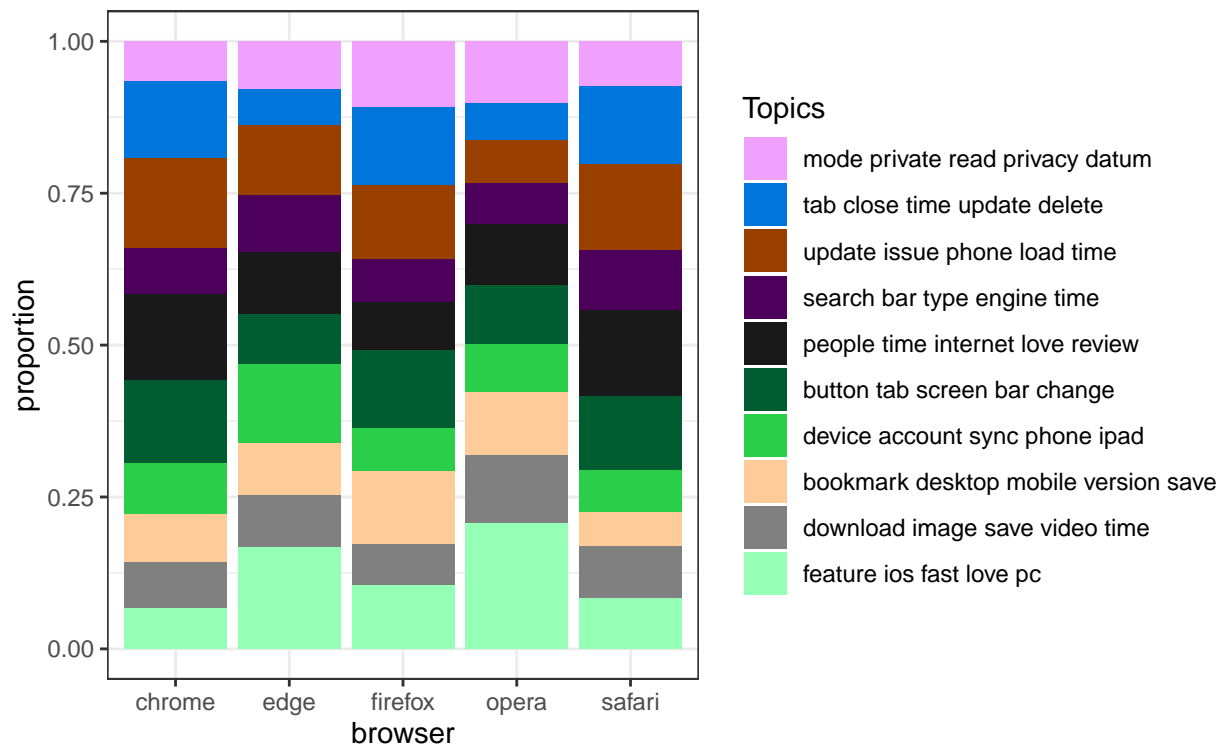


Figure 2: Top 10 Topics for App Store Reviews by Browser

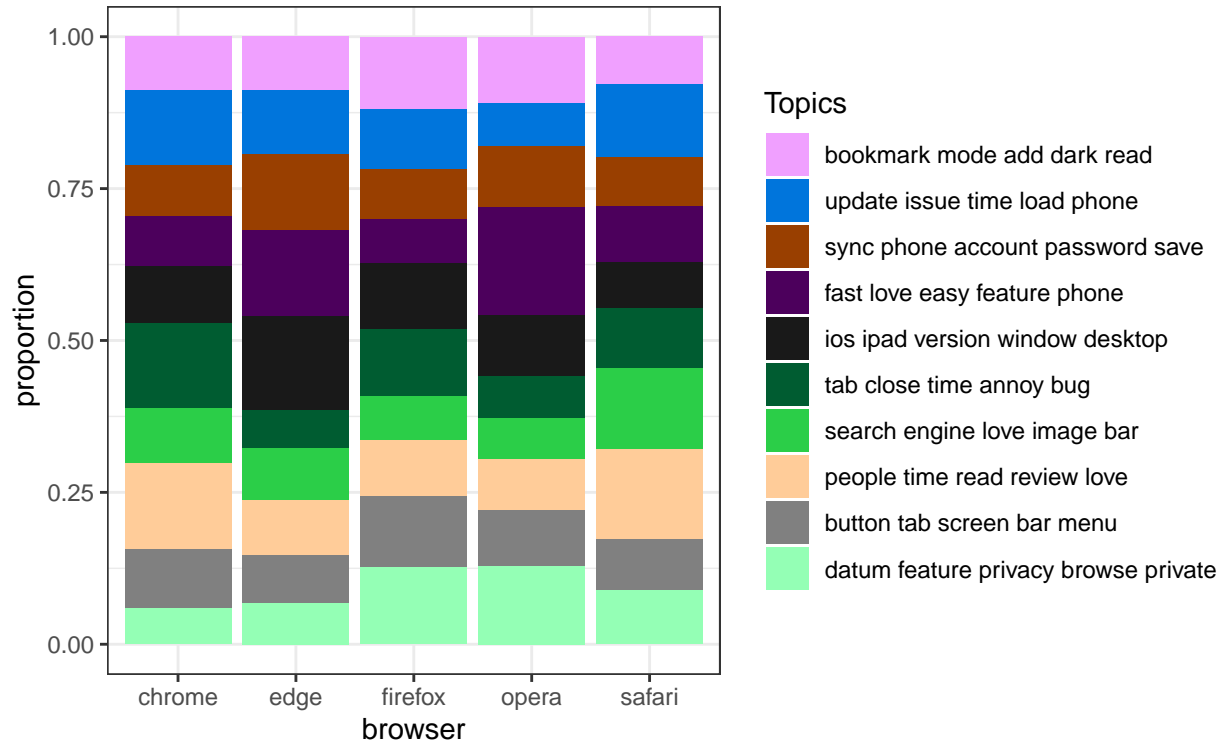


Figure 3: Top 10 Topics for Positive App Store Reviews by Browser

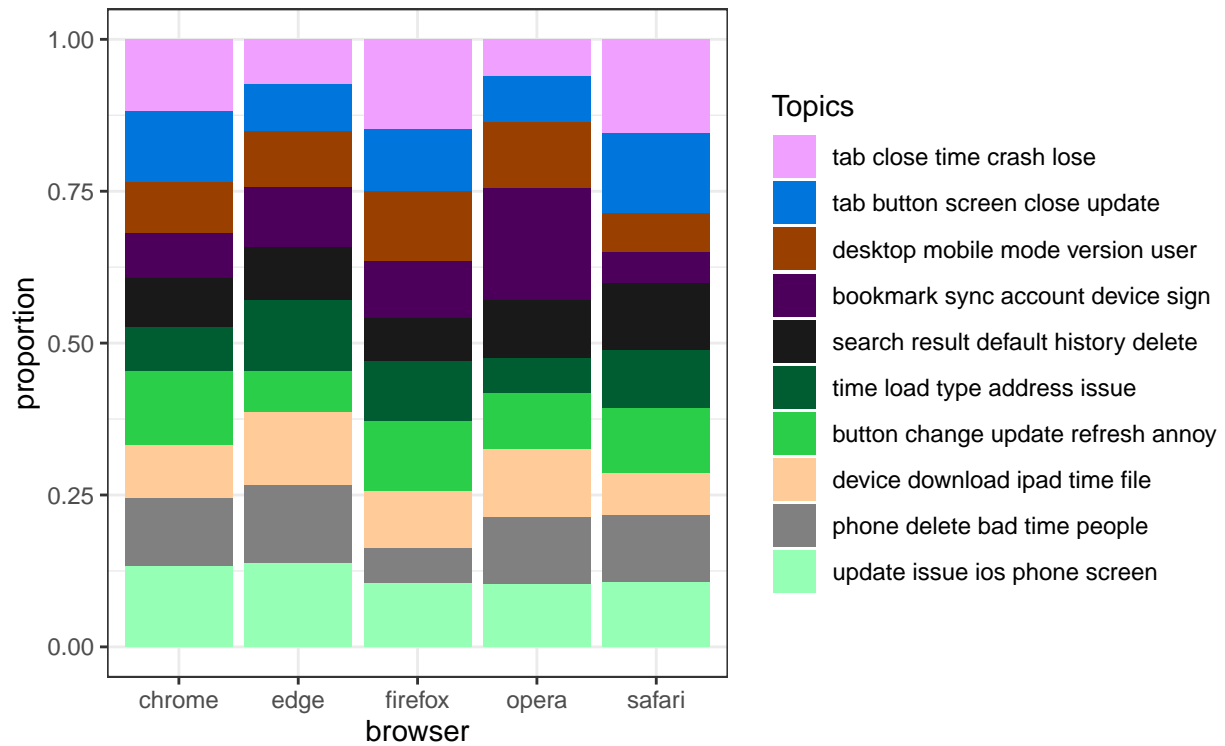


Figure 4: Top 10 Topics for Negative App Store Reviews by Browser

- Lyu, Joanne Chen, Eileen Le Han, and Garving K. Luli. 2021. “COVID-19 Vaccine–Related Discussion on Twitter: Topic Modeling and Sentiment Analysis.” *Journal of Medical Internet Research* 23 (6): e24435. <https://doi.org/10.2196/24435>.
- Mueller, Eingestellt Von Florian. n.d. “Anti-Innovative Effects of Apple’s Orwellian Prohibition of Alternative Browser Engines Finally Being Discussed and Investigated.” Accessed December 5, 2023. <http://www.fosspatents.com/2022/06/anti-innovative-effects-of-apples.html>.
- Wang, Yan, and Siyuan Qi. 2021. “Competition and Monopoly In Digital Economy Ecology.” *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.3854529>.
- “WebKit.” n.d. *Apple Developer Documentation*. Accessed December 5, 2023. <https://developer.apple.com/documentation/webkit>.