

Analysis of Olympic Tweets from Tokyo 2020

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Abstract

This work seeks to understand how and why individuals utilized Twitter to engage with the 2020 Tokyo Olympics via tweet data with the hashtag *#Tokyo2020* from [start date] to [end date]. We extend on previous work that analyzed the 2010, 2012, and 2016 Olympics, as well as studies on Twitter engagement for the NBA and the 2014 World Cup. In particular, we aim to answer [rq1], [rq2], and [rq3] through the usage of [tech1], [tech2], and [tech3]

Introduction

The Olympic Games are one of the world's most universal athletic competitions, drawing more than 200 competing nations [#1]. Digital engagement with the Olympics has also been increasing drastically, with more than 100 million unique users participating for Tokyo 2020, doubling the amount of users from the previous Summer Olympics [#2]. Of the online platforms, Twitter captured a majority share of Olympics discussion, generating more than 75 billion impressions during Rio 2016 (compared to Facebook's 1.5 billion interactions) [#3]. As online engagement has increased, so too has the diversity of discussion that takes places during the event; individuals converse about the introduction of new sports, the performance of athletes, and celebrate the success of their nations. However, not all Twitter discussion is positive. Following the emergence of COVID-19, anti-asian racism and xenophobia rose drastically [#4], prompting significant controversial discussion around the postponement of Tokyo 2020, as well as COVID protocols for the games. Negative sentiment is also often displayed against competing nations and individual athletes as well.

We seek to conduct a holistic overview of Twitter discussion during the Tokyo 2020 Olympics. This will include studying [rq1], [rq2], and [rq3]. These questions will be answered via the *Tokyo 2020 Olympics Tweets Dataset* [#5], which contains a sample of tweets using the hashtag *#Tokyo2020* between 07/24/2021 and 07/27/2021, the beginning of the Games.

What is the motivating problem for your research project? What are the research questions to be examined for the

project? If you are contributing a dataset, what do you envision the output of your work to look like? Who can use this dataset, and on what kind of problems would this dataset be ideal? If you are contributing analysis, how are these findings theoretically significant or broadly important for society? -0.5 pts, introduction does not clearly describe a motivating problem -1 pt, introduction does not mention the research goals/questions clearly

Related Work

Related Work: Please cite 3-5 related studies and explain their contribution to the problem space. Compared to prior work, how is your project trying to address these gaps? How will your project contribute new knowledge? -1.5 pts, related work does not address the contribution of previous approaches to the problem space, e.g. does not mention specific modeling approaches.

Methods

Methods (3 pts) 1-3 paragraphs explaining your research methodology. What data will you use? What model? What statistical tests will you run? -1.5 pt, the data pipeline is not clearly or specifically described -1.5 pt, the computational model / statistical analysis is not clearly or specifically described

Timeline

1 short paragraph describing a weekly timeline for your project and task responsibilities by team members. By when do you hope to have acquired your data? When will you build or select the statistical / computational models and when will you run them? When will you finalize the main analyses and plots and paper writing? -0.5 pts, basic project milestones are not identified and assigned to team members -0.5 pts, rough dates for completing basic project milestones have not been identified

Page Breaks

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Forthcoming Publication

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Knuth, D. E. 1986. *The T_EX Book*. Addison-Wesley Professional.

Lamport, L. 1994. *L^AT_EX: a Document Preparation System*. Massachusetts: Addison Wesley, 2 edition.
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