

Programming for Data Science 2025

Group Project A6

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Project Title: “Portugal’s World Cup Shock: Reactions to the Loss Against Morocco”

Abstract: Under the scope of the group project to be developed in the *Programming for Data Science* course, we decided to choose the *Twitter Project* and analyse the dataset of geo-located tweets produced in Lisbon throughout December 2022. Our focus it will be on the tweets posted on December 10, 2022, the day Portugal was eliminated from the FIFA World Cup after a surprising loss to Morocco.

We decided to choose this dataset because the World Cup is a major global event that generates strong emotional reactions, particularly in football-passionate countries like Portugal. The match against Morocco was not only unexpected in its outcome but also marked what may have been Cristiano Ronaldo’s final World Cup appearance, further intensifying the national response.

Our main goal is to explore meaningful patterns in public discourse during this period of time. Specifically, we are interested in explore questions such as:

- How did Twitter users in Lisbon emotionally react to the World Cup defeat?
- How did tweet volume and sentiment evolve over the course of the day?
- Which hashtags or keywords dominated the conversations on the day of the match?
- Were people more supportive or critical of Cristiano Ronaldo after the match?
- How did people talk about Morocco after the match?
- What languages were most commonly used in Lisbon-based tweets in this period of time?