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APPLIED DATA SCIENCE CAPSTONE PROJECT

THE BATTLE OF NEIGHBORHOODS

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1 Introduction

A chain of vegetarian/vegan restaurants based in North America is looking into expanding to Western Europe. They have asked for a report on vegetarianism/veganism in the capitals of Europe to decide which European cities to start with.

This report will present a number of relevant statistics for West-European countries and their capitals. This includes the number of vegetarians/vegans as part of their population, the restaurant density in their city centers, the share of vegetarian/vegan restaurants versus meat-centered restaurants (e.g., steakhouse, Argentinian restaurant, BBQ restaurants). Based on this data, cities where the client's chain of vegetarian/vegan restaurants are likely to succeed will be identified. For the city where the client's restaurant is most likely to succeed, a further investigation is performed on a neighborhood level.

This report will start with a description of the data used for this investigation in Section 2. Next, the methodology for the exploratory data analysis, statistical testing and machine learning techniques are explained in Section 3. Results are presented in Section 4, after which the report concludes with the discussion and conclusion in Sections 5 and 6, respectively.

2 Data

3 Methodology

4 Results

5 Discussion

6 Conclusion

References