

SMDE Assignment

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INTRODUCTION

This document is a model and instructions for \LaTeX . Please observe the conference page limits.

I. PROBLEM DESCRIPTION

We are provided with three marathon results, from a Kaggle dataset, on the years 2015, 2016 and 2017. The data is structured in a way that we have the runners' information, the time they took to get to interest points and the time they took to finish the race. Some of the most relevant variables we are provided are: the age, the genre and the city of origin. We believe this characteristics have a direct impact on the performance of the runners.

By reading the paper [1]

II. SYSTEM DESCRIPTION, INTRODUCTION

III. MODEL SPECIFICATION

A. Systemic Structural, Systemic Data and Simplifying Hypotheses

IV. CODING

A. Data

V. DEFINITION OF THE EXPERIMENTAL FRAMEWORK

VI. MODEL VALIDATION

VII. RESULTS/CONCLUSIONS

REFERENCES

- [1] B. Knechtle, C. McGrath, O. Goncerz, E. Villiger, P. T. Nikolaidis, T. Marcin, and C. V. Sousa, "The Role of Environmental Conditions on Master Marathon Running Performance in 1,280,557 Finishers the 'New York City Marathon' From 1970 to 2019," *Frontiers in Physiology*, vol. 12, 2021. [Online]. Available: <https://www.frontiersin.org/journals/physiology/articles/10.3389/fphys.2021.665761>. DOI: 10.3389/fphys.2021.665761. ISSN: 1664-042X.

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