WiFi Fingerprint Indoor Positioning System

December 9, 2022

Braxton Adams[1], Cyrus Cravens[2], Jonathan Adiri[3], Sang Xing[4]
Department of Mathematics and Statistics
Portland State University, Portland, OR 97201 USA
[1]braadams@pdx.edu, [2]ccravens@pdx.edu, [3]adiri@pdx.edu, [4]sxing@pdx.edu

***Abstract*—To be continued...**
***Index Terms*—WiFi fingerprinting, WiFi indoor positioning, Trilateration, K-nearest neighbor algorithm**

I. Introduction

- Background information
- Project and goal description
- Outline of the document

II. Data

- Description of the data available for analysis (variables and quantity)
- Corrections & adjustments made
- Important takeaways from the exploratory data analysis

III. Methodology

- Concise and intuitive description of methods considered
- Results
- Re-state the points of project and show how these were tackled and what resulted from analysis
- Include most relevant results to display, others go in appendix

IV. Conclusion

- Extended version of the executive

V. Summary

- Contextualization of results in light of project goals
- Make explicit connection to project background by following the implications of our results

References

[1]
[2]
[3]
[4]
[5]
[6]
[7]
[8]
[9]
[10]

Appendix A: Data Tables

Appendix B: Derivation of Equations

Appendix C: Index