



SENIOR THESIS IN MATHEMATICS

My Bibliography, Presented in an Excessively Formal Way

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Abstract

In this paper we don't really do much. However, there are a lot of *real* theorems that still need to be proved. That is what you will probably do in your thesis. For now we have the bibliography.

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Chapter 1

Or, I was too lazy to delete the entire template

1.1 Annotated Bibliography

One of my main sources will be a textbook on the subject of Community-Based Operations Research (CBOR). Most of the book consists of specific case studies in the field of operations research, including certain papers that are basically reproduced in their entirety in the textbook. The textbook itself is split into four sections: “Models and Analytic Methods,” “Facility Location and Spatial Analysis,” “Minorities and Disadvantaged Groups,” and “Service Delivery.” I will initially focus on one specific case study presented in this textbook to give me a better understanding of what CBOR looks like in practice. See [Johnson, 2012]

For the next textbook I have a classic Operations Research book. This takes a more traditional approach to the more traditional part of the discipline. This book will be mainly used to look at fundamental ideas (linear programs, simplex method, etc). See [Hillier and Lieberman, 2010]

This paper describes a course taught at the College of Business and Administration at Drexel University in which students undertook real-world projects in inner-city neighborhoods. They addressed public sector issues

such as people moving, traffic flow, trash removal, market promotion, and surveys. These problems are complex and have many stakeholders with competing interests, so they don't fit into the traditional course work provided in the field. Naturally, this paper is of interest to me because this is what I'm trying to research. See [Bajgier et al., 1991]

Bada Bing Bada boom

Bibliography

- [Bajgier et al., 1991] Bajgier, S. M., Maragah, H. D., Saccucci, M. S., Verzilli, A., and Prybutok, V. R. (1991). Introducing students to community operations research by using a city neighborhood as a living laboratory. *Operations Research*, 37(5).
- [Hillier and Lieberman, 2010] Hillier, F. S. and Lieberman, G. J. (2010). *Introduction to Operations Research*. McGraw Hill, New York, ninth edition.
- [Johnson, 2012] Johnson, M. P., editor (2012). *Community-Based Operations Research: Decision Modeling for Local Impact and Diverse Populations*, volume 167 of *International Series in Operations Research & Management Science*. Springer, New York.