

Final Project Proposal

DATA 604: Simulation & Modeling

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1 Problem Statement & Research Questions

TBD

2 Statement of Objectives

TBD

3 Data Set(s)

TBD

4 Recent Journal Papers

4.1 Multi-criteria logistic modeling for miliary humanitarian assistance...

This paper describes a model complete with objective function an array of constraints for aiding in decision support for humanitarian assistance and disaster relief (HA/DR) efforts. Specifically, the model aims to determine the optimal the aerial supply chain network for HA/DR given target goals for response time, supply chain cost and unmet demand in the disaster zone ((Bastian, Griffin, Spero, and Fulton, 2015)).

4.2 Article 2

TBD

4.3 Evaluation

TBD

5 References

Bastian, N., P. Griffin, E. Spero and L. Fulton. "Multi-criteria logistics modeling for military humanitarian assistance and disaster relief aerial delivery operations". In: Optimization Letters (2015). DOI: 10.1007/s11590-015-0888-1.