

Data on the Move in Transportation

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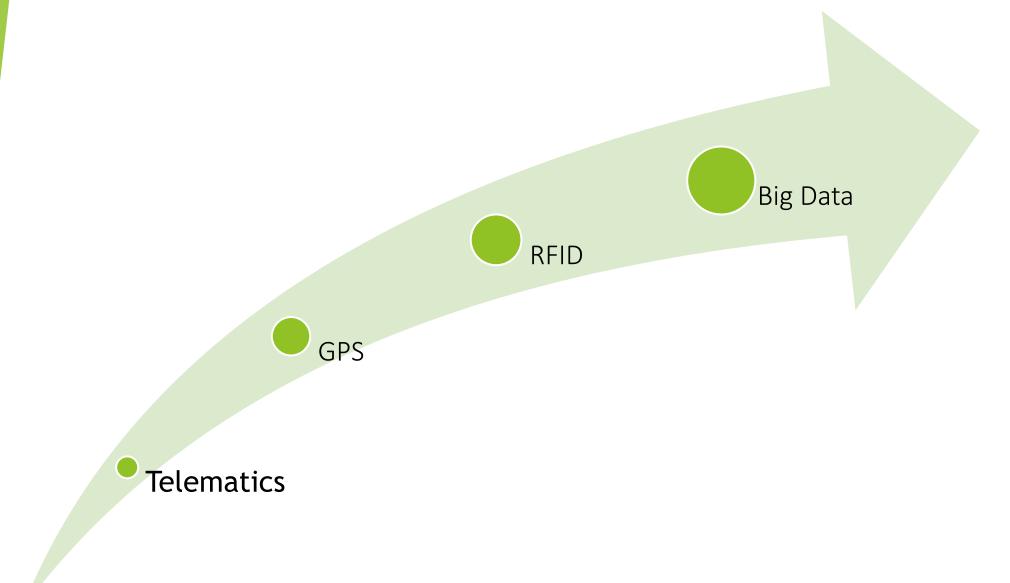


Introduction

Data continues to evolve in the transportation industry. Transporters were at the forefront of data collections and have paved the way for location tracking. This impacts everyone today with location settings on their phones, increasing our everyday sense of security.

Why is this Data Science?

This project involved several stages of the CRISP-DM life-cycle. Research on this topic involved gathering information on the transportation industry to acquire domain knowledge, discussion of data gathering techniques, envisioning aggregation of data from different sources, and determining the analysis and visualization capabilities to enable decision making.



Evolution of Transportation Data Technologies

Deliverable

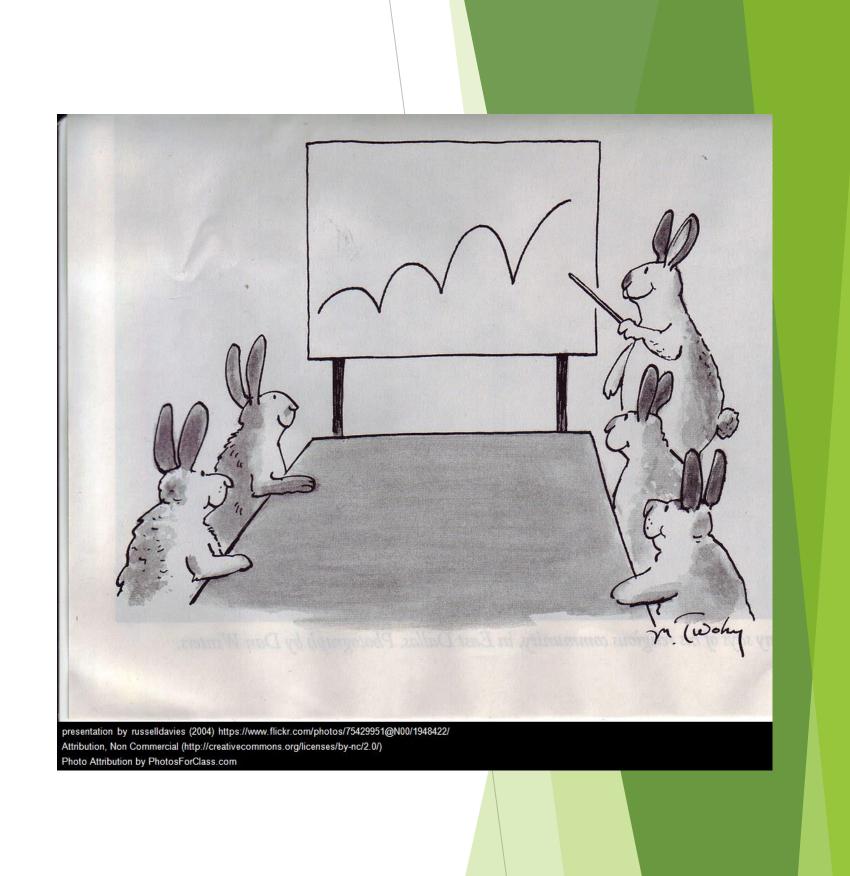
During this project, I will determine additional public data sources available and point out the benefits of collecting and consolidating the data. intend to submit a corresponding white paper to members of the National Defense Transportation Association (NDTA) encouraging the sharing, collection, and analysis of big data. The intent is to impact priorities of Information Technology (IT) in transportation logistics, enabling Big Data.



Decision Making

Conclusions

For several years, data has been collected from inventory, trucks, trailers, Global Positioning Systems (GPS), Radio-Frequency Identification (RFID) tags, and other sources. Adding publicly available information, such as fuel, traffic, and weather, along with analyzing unused data already collected, will improve delivery times, route planning, and safety, resulting in more reliable services at lower costs.



Acknowledgments

I want to thank my Air Force Institute of Technology instructor, Eric Glover, for guiding my interest into Operational Research. Special thanks to my daughter for making dinner while I worked on my project.

Literature

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