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Introduction

The purpose of my research was to investigate how big data, an enormous collection of data so complex it's difficult to process, can be used to improve transportation for a more efficient life.

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veling into the Future Elent: Loretta Andrews Mentor: Dr. Hosch

How can Big Data Improve Transportation?





Results

Big Data has many challenges including capture, storage, management and processing. Although these challenges aren't permanent new tools as well as trained personnel need to be created to effectively dominate these obstacles . Once conquered Big Data can be utilized to make transportation more efficient as well as other aspect of everyday life. As a result of lack of experience with data many people fail to realize the many opportunities big data can poses. Big data can be used to make bus stops, train stations and airports more efficient. Advanced technology is recently being used in the manufacturing of cars and with this same mindset big data can improve all forms of transportation. Smart structures, super ultra-computers will be able to handle Big Data with not problem. Looking into a graphene will be put into computer chips that can used in the computers to control traffic flow and many other problems in transportation. Alone big data can be effective in improving transportation but when combined with smart structures it can change the world as we know it.





Volume * The amount of data available to an organization

Velocity * Measures the speed of data creation, streaming, and aggregation.

Variety *Measures the richness of the data representation. For example the text, images, video, and audio

> Sources Kaisler, Stephen. "Bi (2012): 995-1004. W Wu, Yanqing. Proce Areshkin, Denis and





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