Data Analytics Bootcamp  
etl projeCt 2 Proposal

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## Project Background and Description

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|  | The city of Toronto implemented a plan to improve public transportation and traffic safety to continue to decrease the amount of collisions in the Greater Toronto area. “The Vision Zero Road Safety Plan, “Congestion Management Plan,” and “Transit Network Expansion” plan was implemented, and their efforts were a success. As a result, this led us to research the data supporting the city’s success.  This project will be an analysis of the recent implementation of the various traffic safety and public transit safety plans between the years 2007 to 2017. We will analyze the city’s traffic congestion, pedestrian, cyclist, and vehicular collision data. |

## Predictions

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|  | We predict the city of Toronto’s plans will improve public transportation and traffic safety. |

## Requirements

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|  | The requirements of this project will be to Extract, Transform, and Load (ETL) data by querying database. |

ETL includes the following:

* Placing CSV or other datafiles into a Pandas DataFrame
* Transforming data to be included and queried within a database
* Establishing a successful connection to a database to query

## Deliverables

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|  | The project will be submitted in our “etl\_toronto” GitHub repository. We will include our proposal, data files, data cleaning files, SQL files, Pandas/Python files, and report. |

## Implementation Plan

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|  | The implementation Plan will be a division of the Deliverables between teammates and final project submission into our “etl\_toronto” GitHub repository. |

## Timeline

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|  | **September 7th, 2019:**    **September 9th, 2019:**  **September 11th, 2019:** | Explore various topics and find data  Create the project proposal  Clean the Data  Place data files into Pandas DataFrame  Load data into database  Create report  Presentation |