**Project ETL - Extract, Transform, Load**

**Team members**

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**Minneapolis Police Incidents, Use of Force, and Demographics**

Project Objective:

To create a database that will facilitate an analysis of the relationship between police incidents, the use of force by police in those incidents, and the demographic characteristics of the neighborhood in which the incidents occurred such as race and income.

The team will extract data from various sources, clean and normalize the data, and load the data into a database. Such data can then be used by applications to allows analysis of relationships and trends between these factors.

The target data, for the city of Minneapolis, includes:

1. Police incident data by neighborhood
2. Police “use of force” data by neighborhood
3. Income levels by neighborhood
4. Race distribution by neighborhood

The follow sections describe the sections described the detailed steps in the source, extraction, transformation, and loading of this data into a PostgreSQL database. A relational database was selected for ease of joining disparate datasets on a common key such as neighborhood ID.

The overall entity relationship diagram (ERD) is as below:

[insert ERD screenshot]

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# Police Incidents

## Description

## Data sources

## Data extraction

## Data transformation

## Data loading

# Police Use of Force

## Description

## Data sources

## Data extraction

## Data transformation

## Data loading

# Neighborhood Race Demographics

## Description

## Data sources

## Data extraction

## Data transformation

## Data loading

# Neighborhood Income Demographics

## Description

## Data sources

## Data extraction

## Data transformation

## Data loading

# Web Application