**ETL Group Project: Drew, Charles, Hayden**

October 2019

**Executive Summary:**

This is the most amazing project ever! We finally are able to put all of the piece together and do some real analysis. Our group decided to analyze the opioid crisis and determine if there are any trends by state, opioid type or Dr types prescribing them. Our findings include:

* Sdflksdjfd
* dfsdfsdf

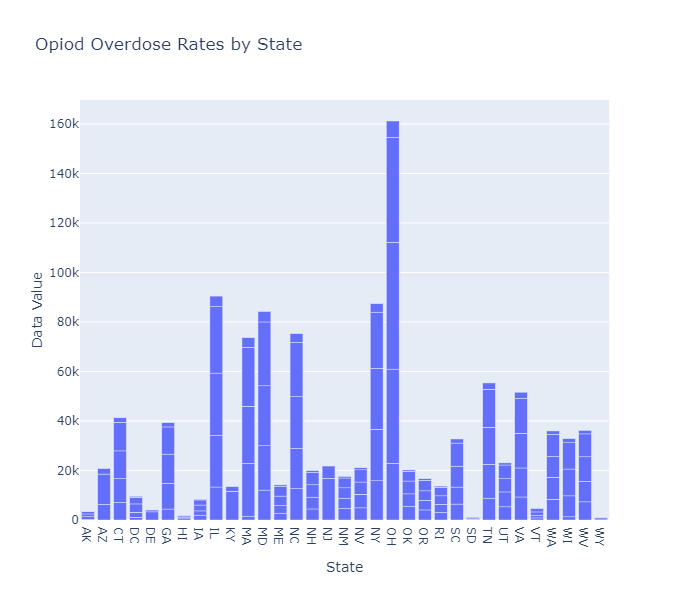
**Sources of Data:**

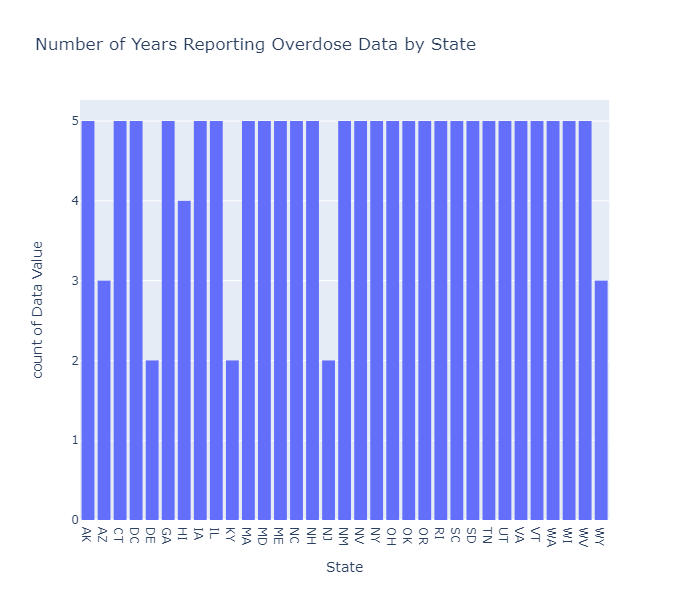
1. U.S. Opiate Prescriptions/Overdoses: <https://www.kaggle.com/apryor6/us-opiate-prescriptions#overdoses.csv>
2. Drugs prescriptions with providers profile: <https://www.kaggle.com/tajuddinkh/drugs-prescriptions-with-providers>
3. 12 Month-ending Provisional Number of Drug Overdose Deaths from CDC: <https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>

**Data Dictionary:**

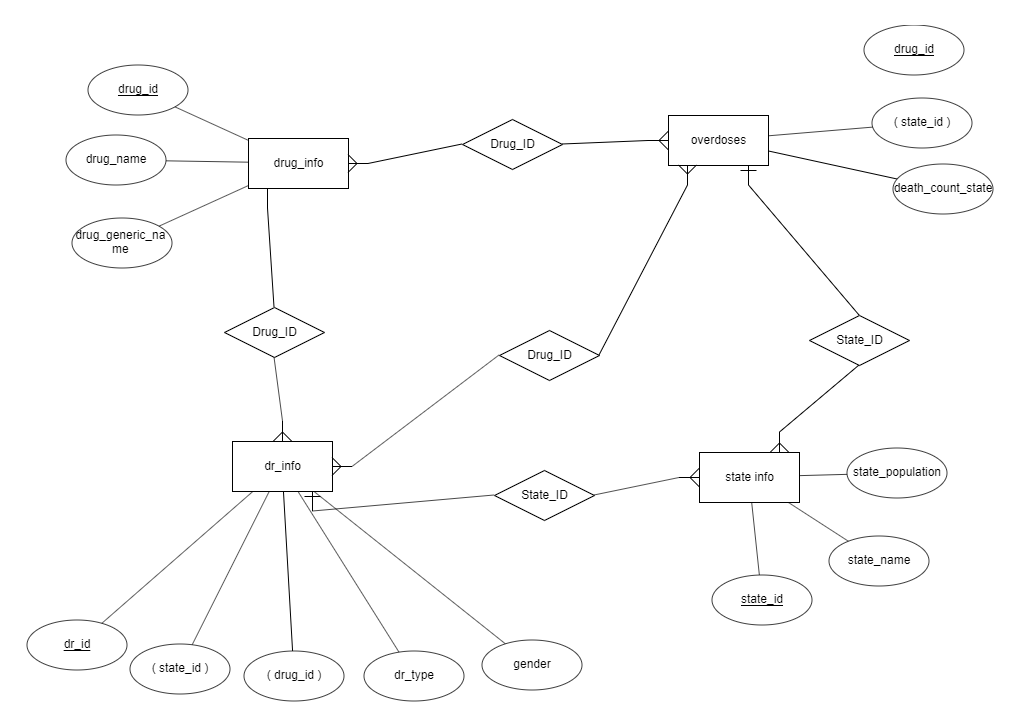


**Two graphs that lead to cleaning:**





**ERD:**



**Table Schema:**

-- ETL table schema

--Opioid Table

CREATE TABLE opioids (

drug\_id INT PRIMARY KEY

drug\_name VARCHAR(30)

generic\_name VARCHAR (30)

);

-- Overdoses Table

CREATE TABLE overdoses (

state\_id INT

deaths INT

FOREIGN KEY (state\_id) REFERENCES states(state\_id)

);

-- State Table

CREATE TABLE states (

state\_id INT PRIMARY KEY

state\_abbv VARCHAR(30)

state\_name VARCHAR(30)

state\_pop INT

)

-- Doctor Table

CREATE TABLE prescribers (

doctor\_id INT PRIMARY KEY

doctor\_type VARCHAR (30)

drug\_id INT

state\_id INT

gender VARCHAR (1)

FOREIGN KEY (state\_id) REFERENCES states(state\_id)

FOEIGN KEY (drug\_id) REFERENCES opiods(drug\_id)

)

**Five Queries:**

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**One Notebook and One SQL:**

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