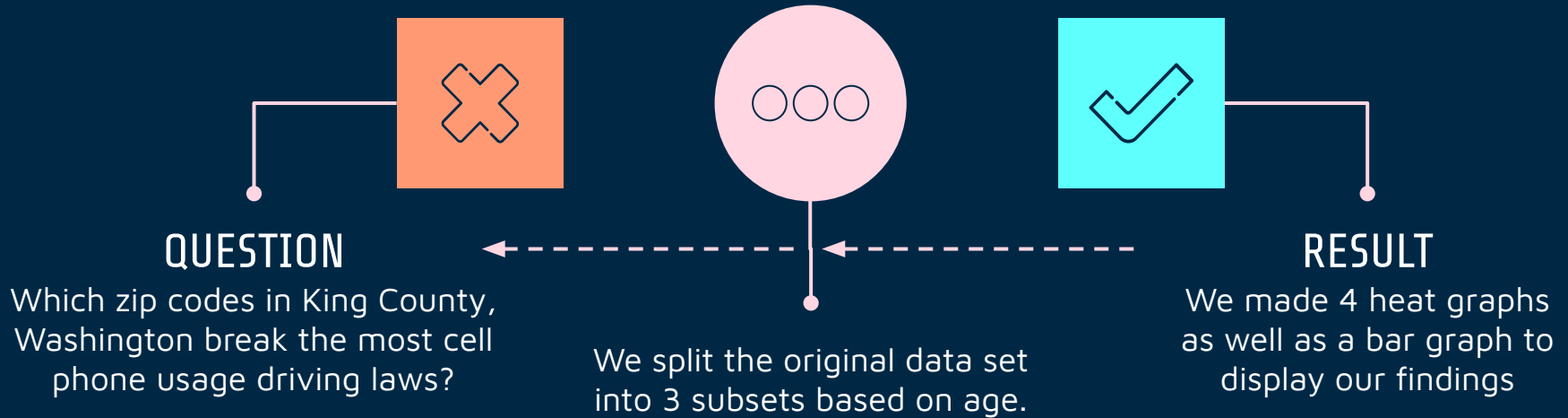# Washington Fatal Crash Survey Data Analysis

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OUR PROCESS

QUESTION
Which zip codes in King County, Washington break the most cell phone usage driving laws?

We split the original data set into 3 subsets based on age.

RESULT
We made 4 heat graphs as well as a bar graph to display our findings

DATA WE USED

01 - - - - - - - - - - - - - **02**

King County
Driving Survey
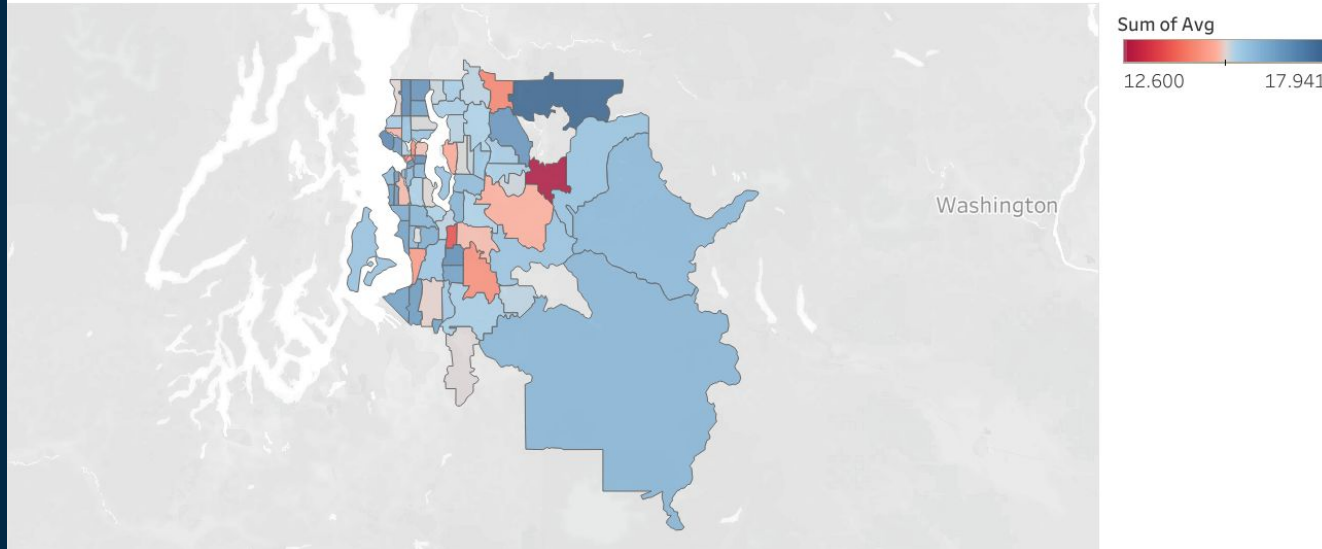

Washington
State
Department of
Transportation
Crash Data

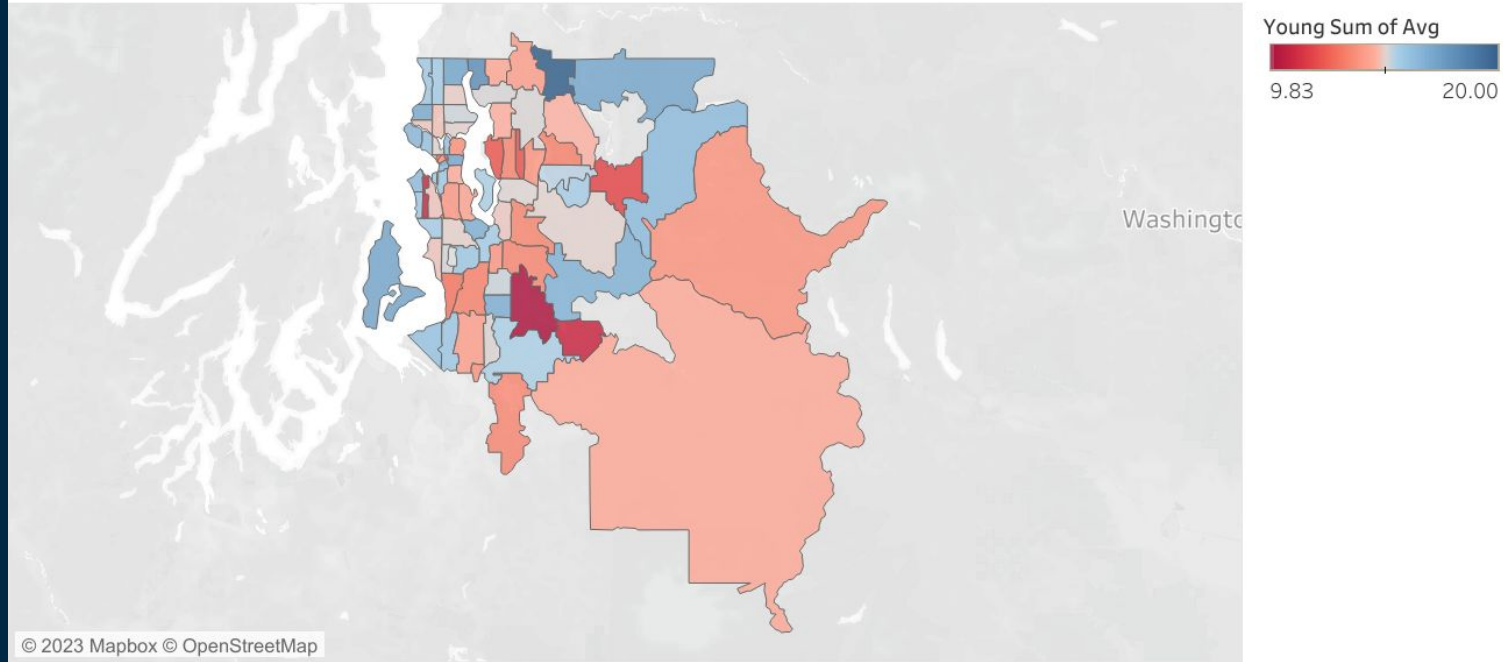# Total Population: Most Problematic Zip Codes

Top 7:
1. 98024
2. 98055
3. 98121
4. 98077
5. 98042
6. 98102
7. 98198

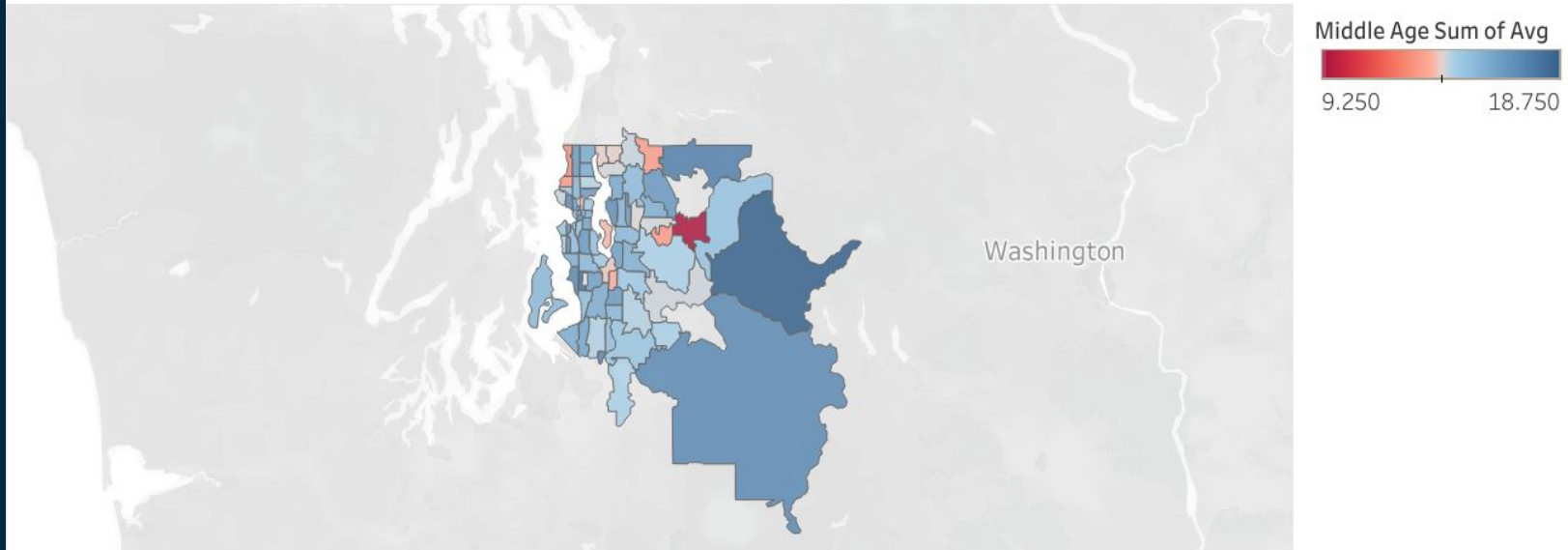# Ages 18-30 Most Problematic Zip Codes
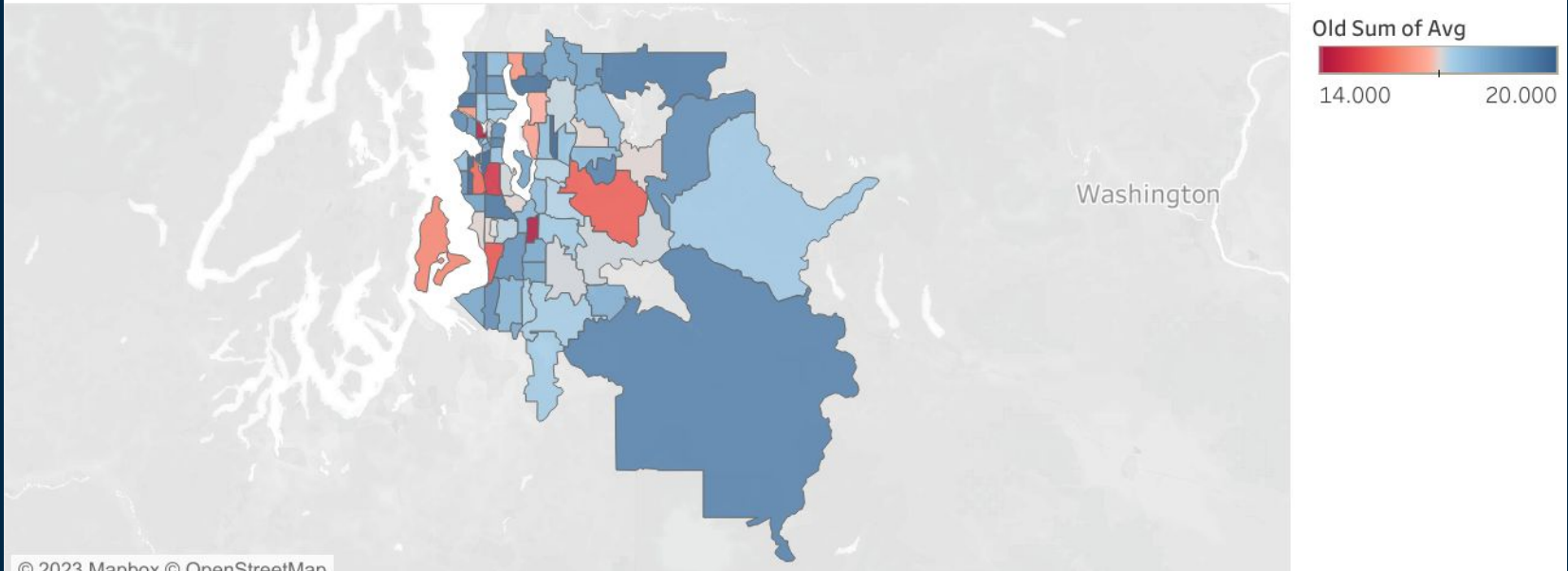
Ages 31-54 Most Problematic Zip Codes

Ages 31-54 Problematic Zipcodes

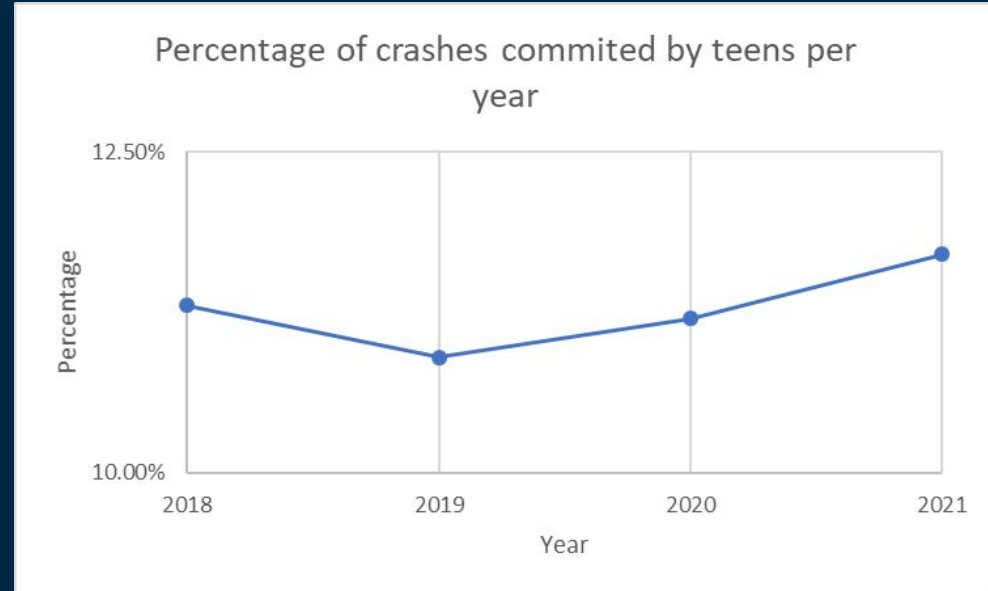# Ages 55+ Most Problematic Zip Codes

Teen Drivers and Total Crash Data

- Used outside data to compute percentages of total crashes committed by teen drivers

- While younger drivers commit majority of cell phone law violations, the rate they are involved in accidents have remained constant

Percentage of crashes commited by teens per year

Preventative Measures:

Ages 18-30 Responded Most to stopping due to receiving a ticket.

Averages of most effect deterrents:
- Ticket: 1.54
- Kill: 1.38
- Family: 1.4

Conclusion:

Our team found that the highest likely age group to violate phone usage whilst driving were those ages 18-30. Furthermore, a ticket was deemed to be the most successful method in preventing phone use.