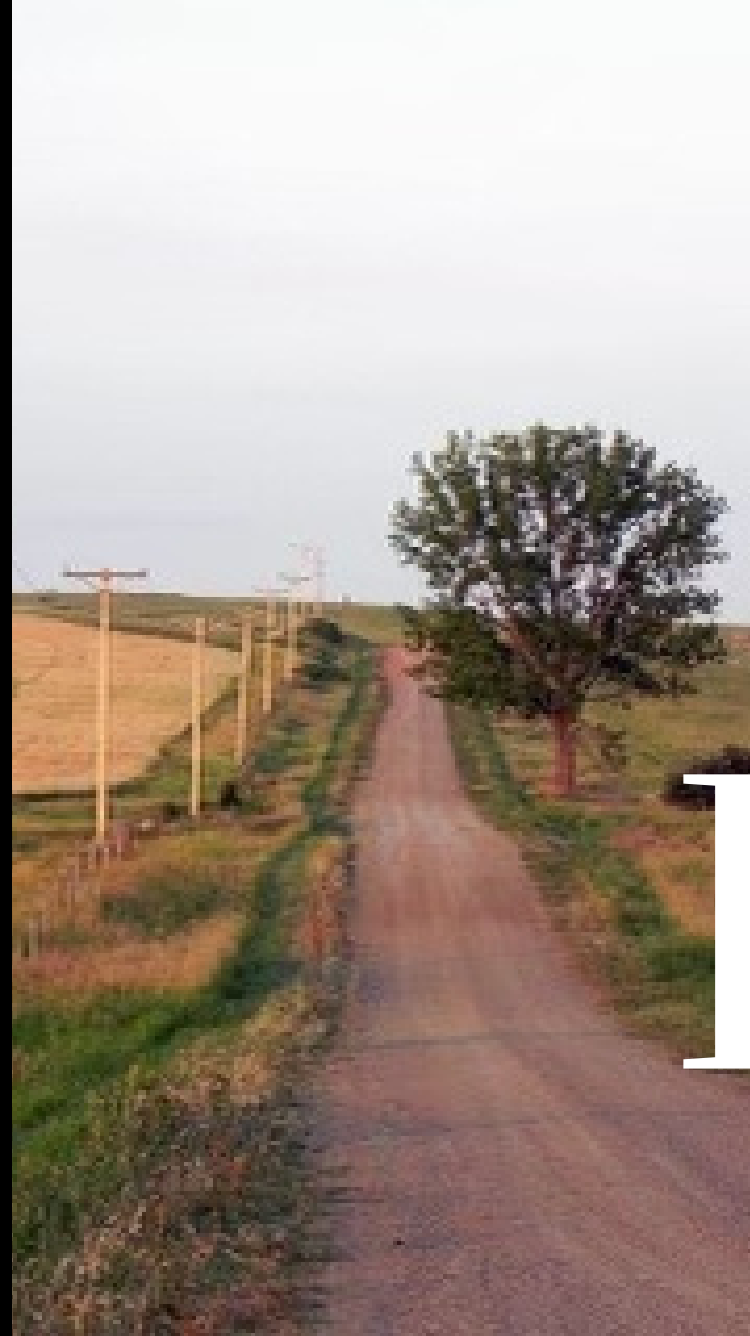


RU
RAL



UR
BAN



Allison Galon, Kaitlyn Wijaja, Cristel Cayco, Ashley Gutierrez
BEAM TEAM

WHAT ARE THE SEVERITY
OF CAR CRASHES OF
RURAL AREAS COMPARED
TO URBAN AREAS?

Which one are you more likely to survive?

SF COUNTY



MERCED COUNTY



EXPLORATORY DATA ANALYSIS

(EDA)



```
1 rp.summary_cont(travel_crash_df.groupby('RURAL_URBAN')['FATAL_CRASHES'])  
2
```

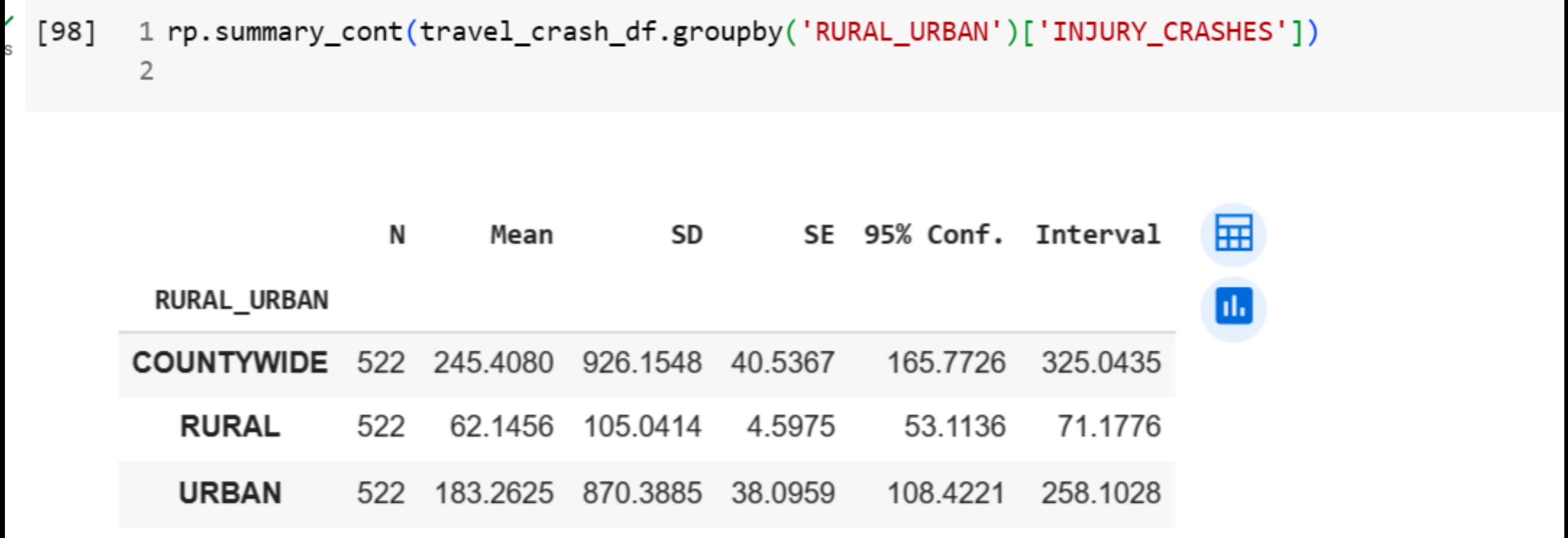
	N	Mean	SD	SE	95% Conf.	Interval
RURAL_URBAN						
COUNTYWIDE	522	8.6609	21.6078	0.9457	6.8030	10.5189
RURAL	522	3.7050	6.3986	0.2801	3.1548	4.2552
URBAN	522	4.9559	17.8881	0.7829	3.4178	6.4940



Fatal Crashes of each Area

EXPLORATORY DATA ANALYSIS

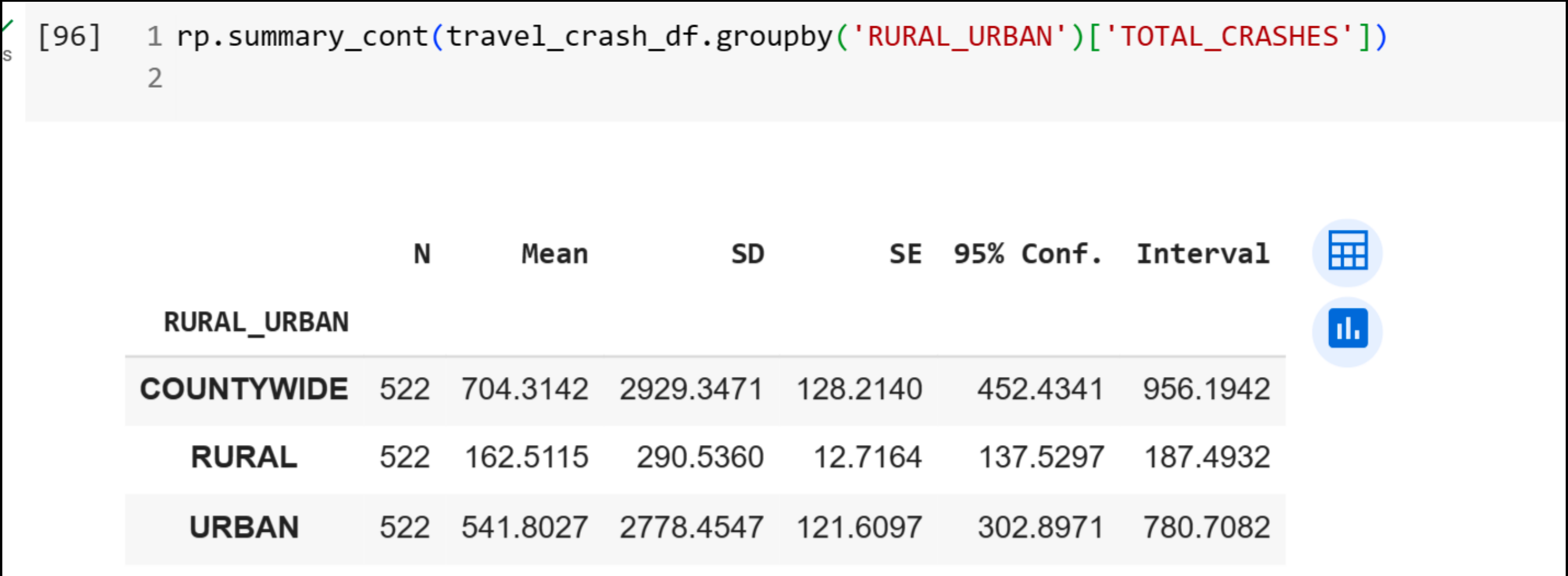
(EDA)



Injury Crashes of each Area

EXPLORATORY DATA ANALYSIS

(EDA)

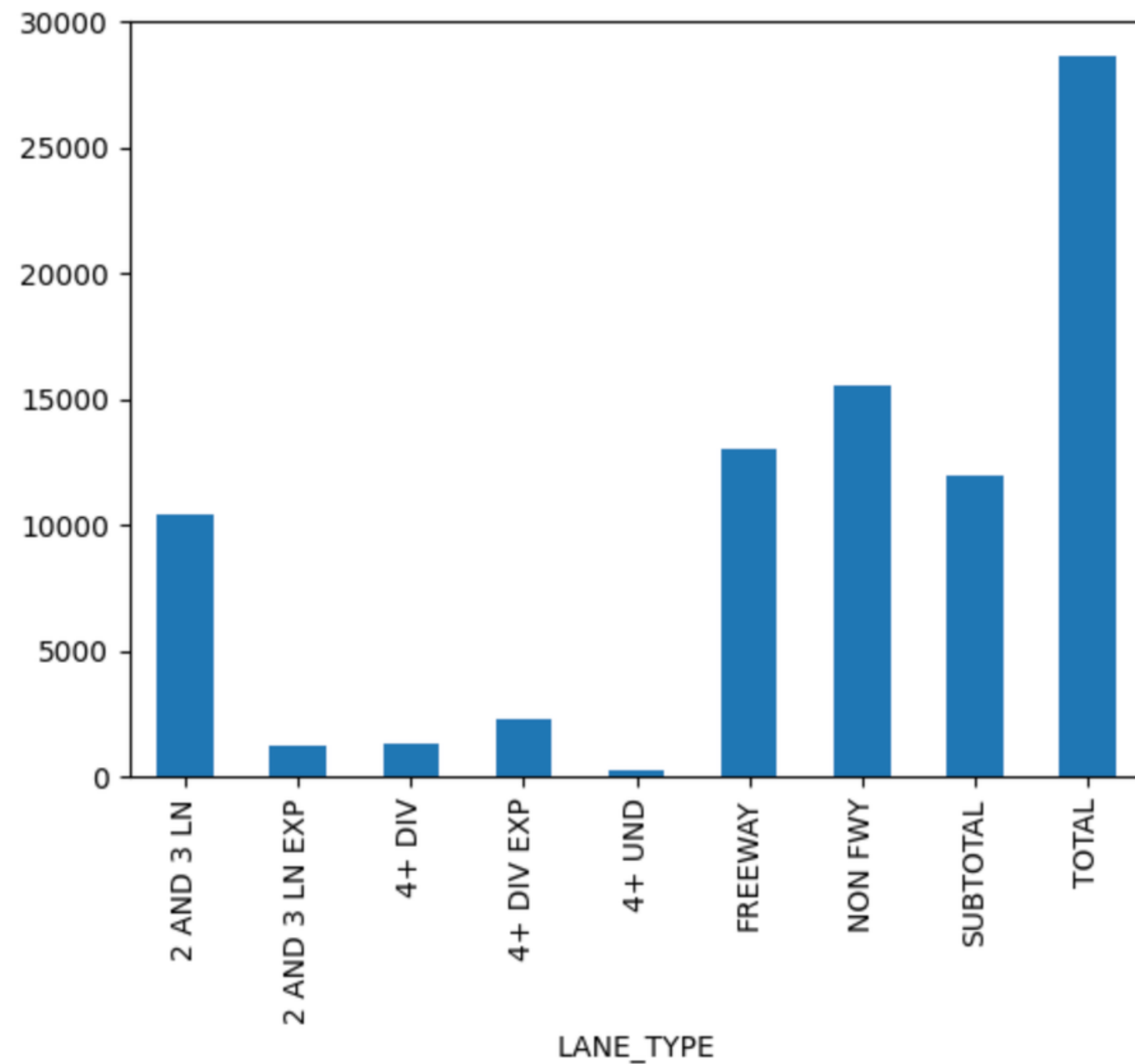


Total Crashes of each Area

EXPLORATORY DATA ANALYSIS

```
rural.groupby("LANE_TYPE")["TOTAL_CRASHES"].sum().plot(kind="bar")
```

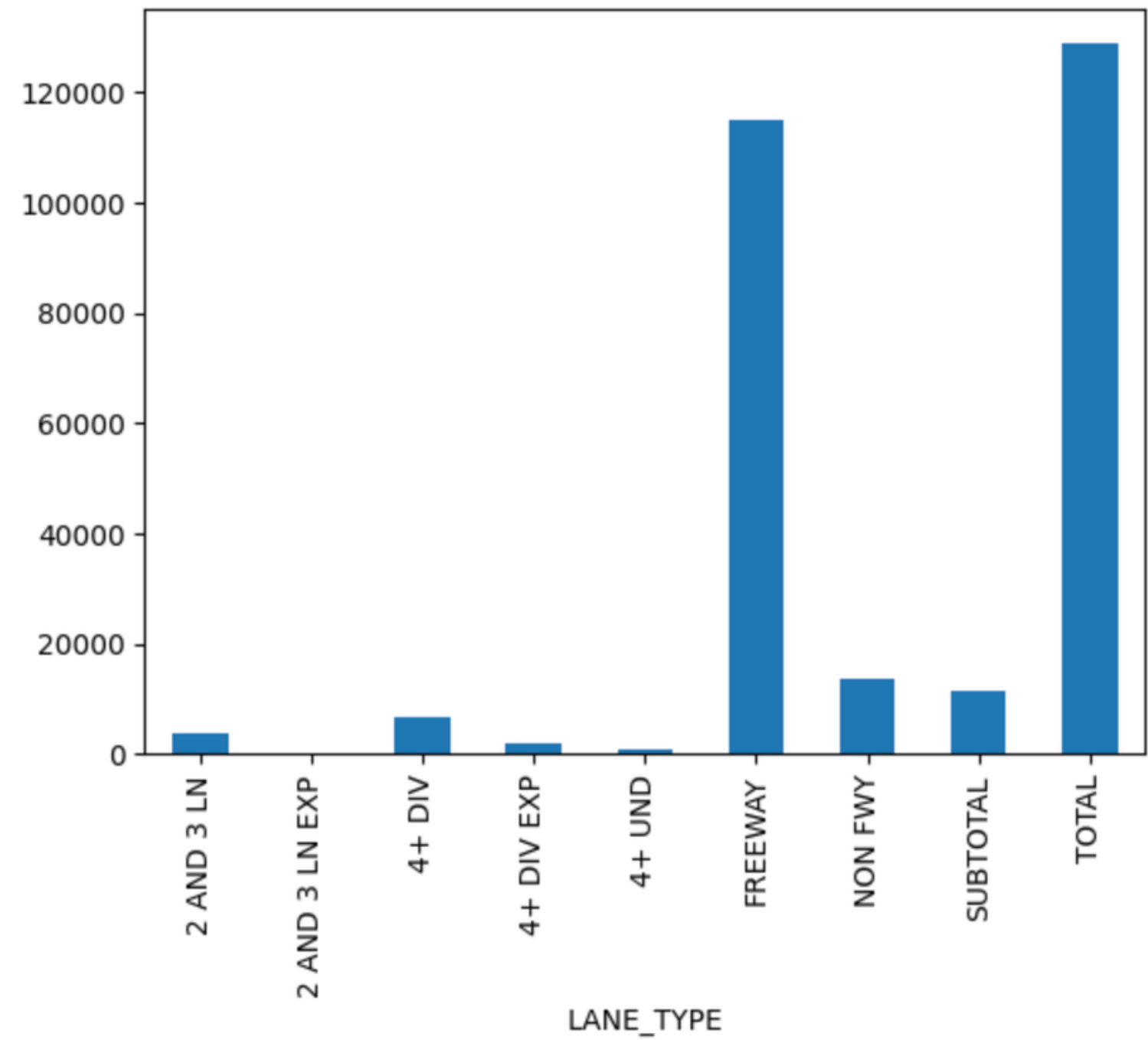
<Axes: xlabel='LANE_TYPE'>



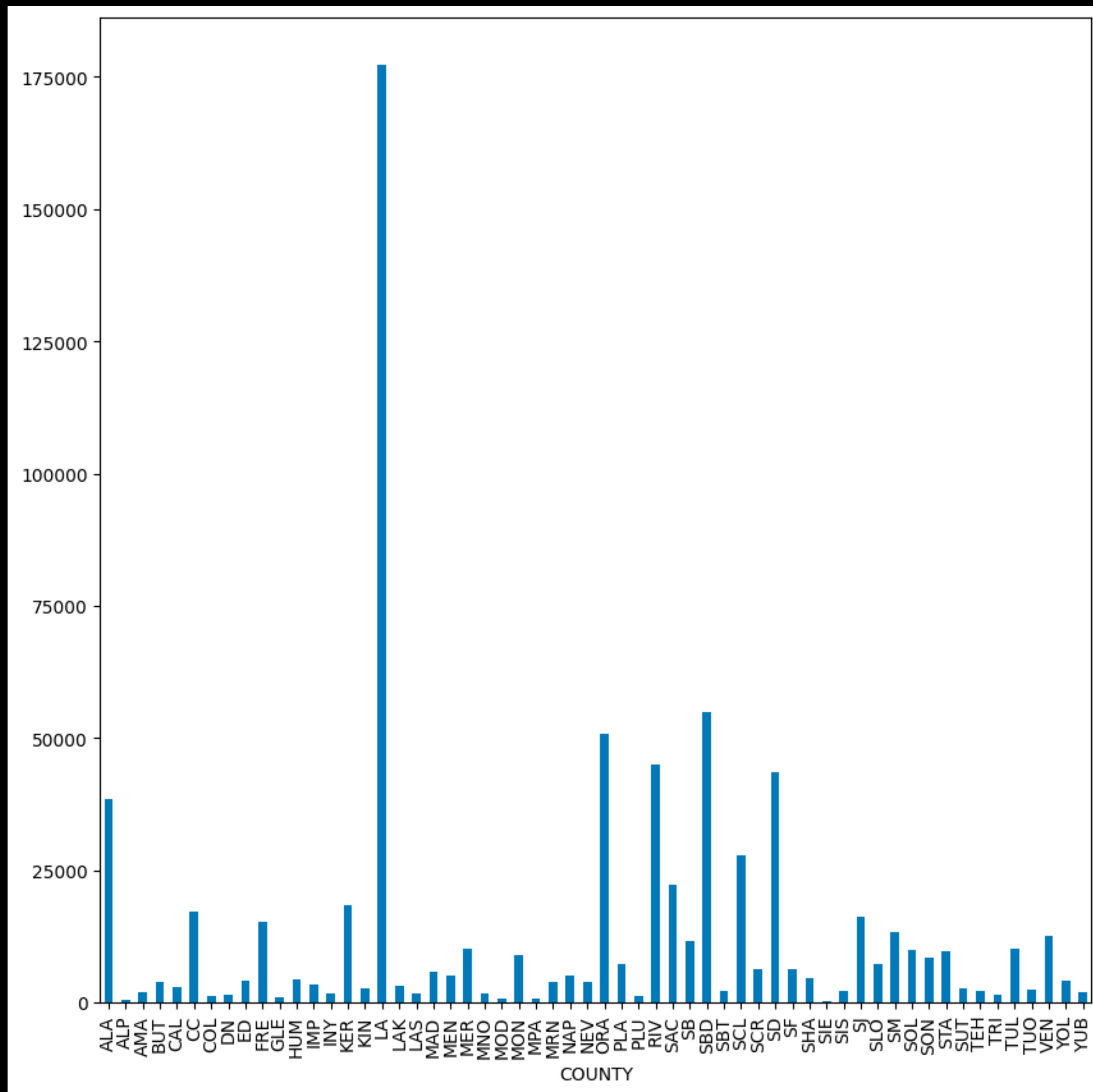
RURAL

```
urban.groupby("LANE_TYPE")["TOTAL_CRASHES"].sum().plot(kind="bar")
```

<Axes: xlabel='LANE_TYPE'>



URBAN



TOTAL CRASHES BY COUNTY

WITH THE INFORMATION
IN MIND, WHAT DO YOU
THINK WE AS A SOCIETY
CAN DO TO HELP LESSEN
THE SEVERITY OF CAR
CRASHES?

INSIGHTS & RECOMMENDATIONS

RURAL

- > BEING MORE ALERT ON NON-FREEWAYS
- > LESS POPULATED
- > LESS LIKELY TO BE IN AN ACCIDENT

URBAN

- > BEING MORE ALERT WHEN DRIVING
- > MORE LIKELY TO GET INTO ACCIDENTS IN A URBAN AREA
- > USE YOUR SIGNAL