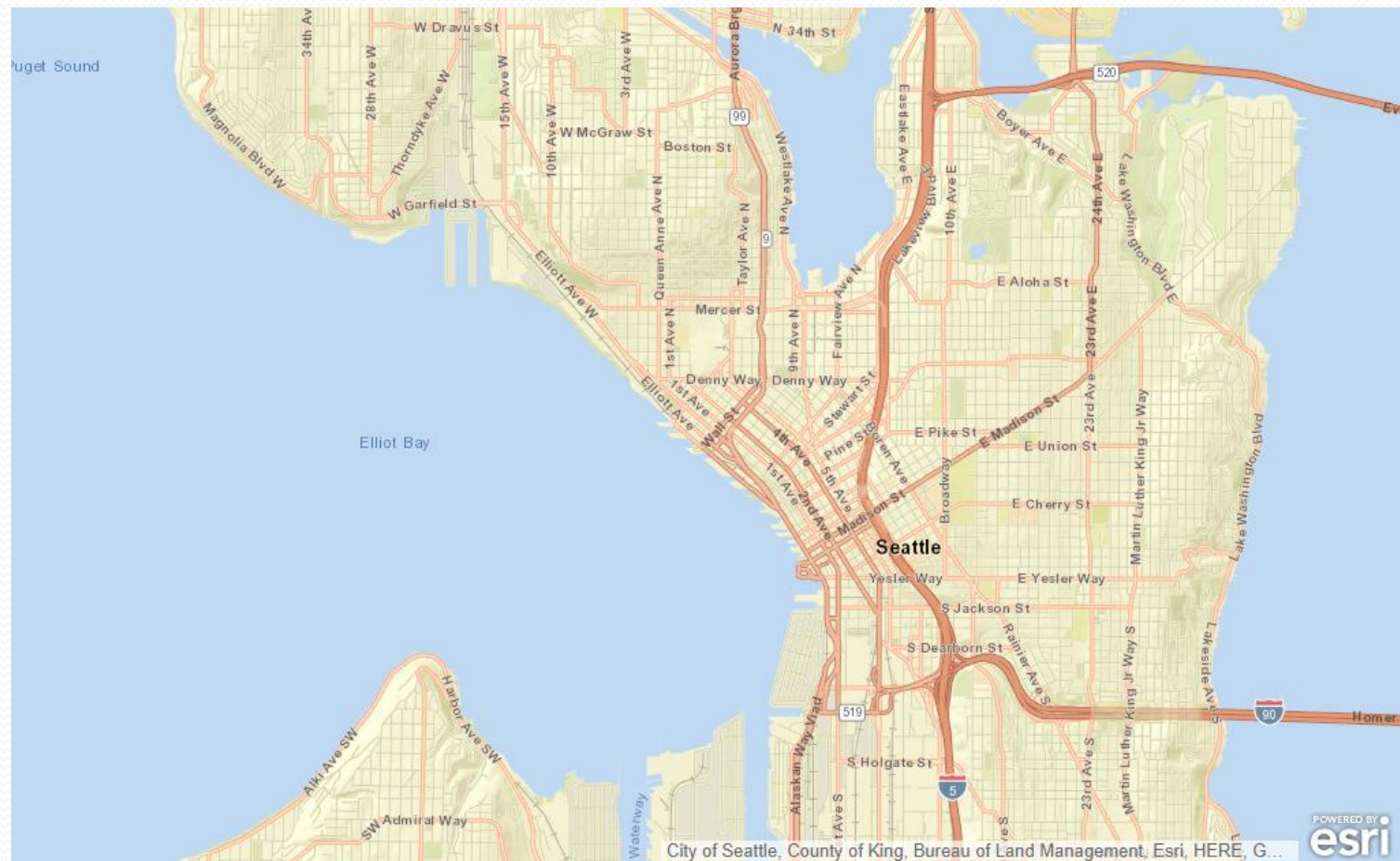


Reducing Accidents

Seattle

Introduction

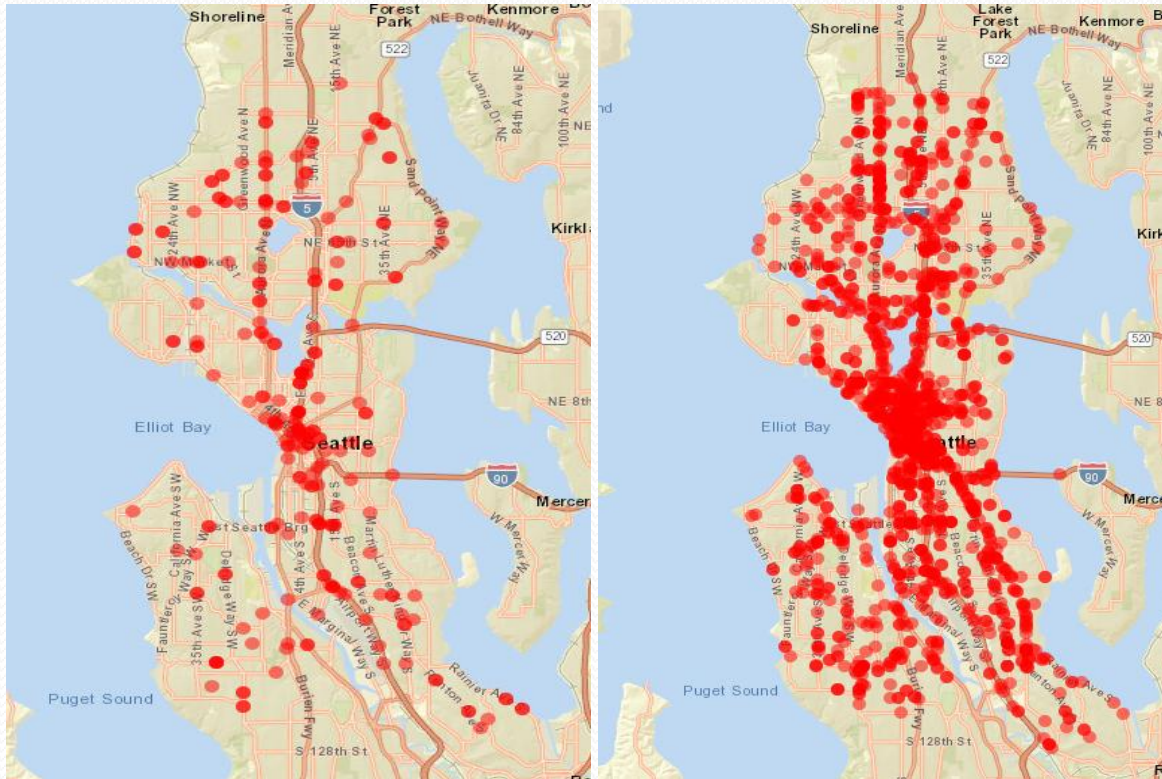
- Seattle have seen drop in accidents
- But it also seen sharp rises seasonally
- We are trying to find the reasons behind increase in accidents
- We are trying to make Seattle accident free by 2025



City of Seattle, County of King, Bureau of Land Management, Esri, HERE, G...

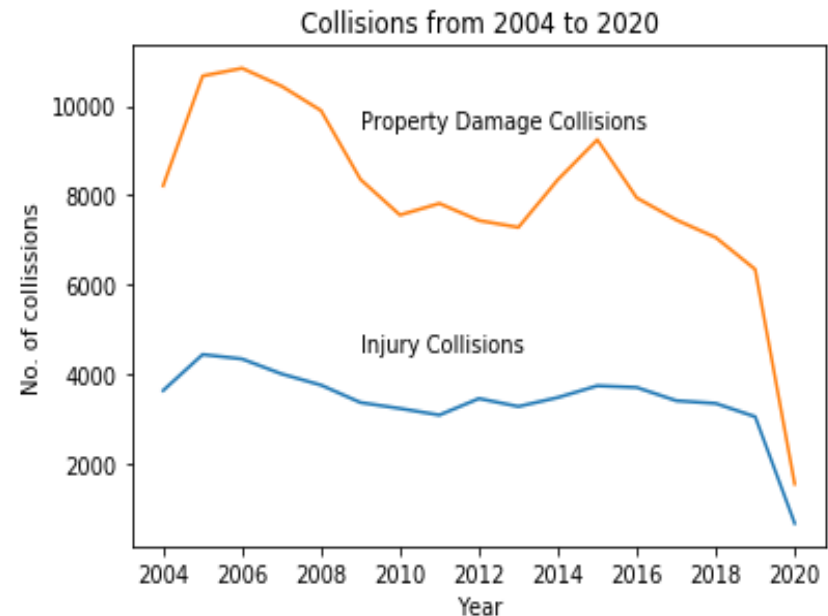
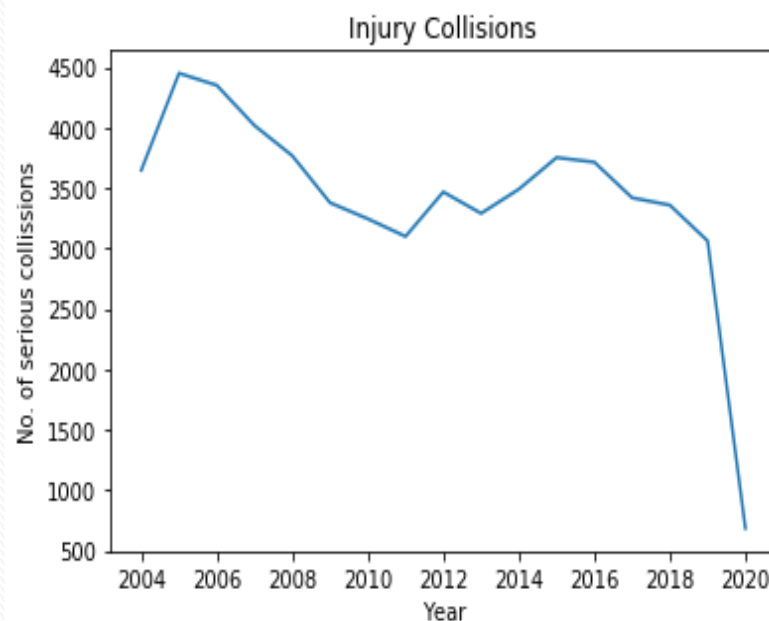
POWERED BY
esri

High risk areas



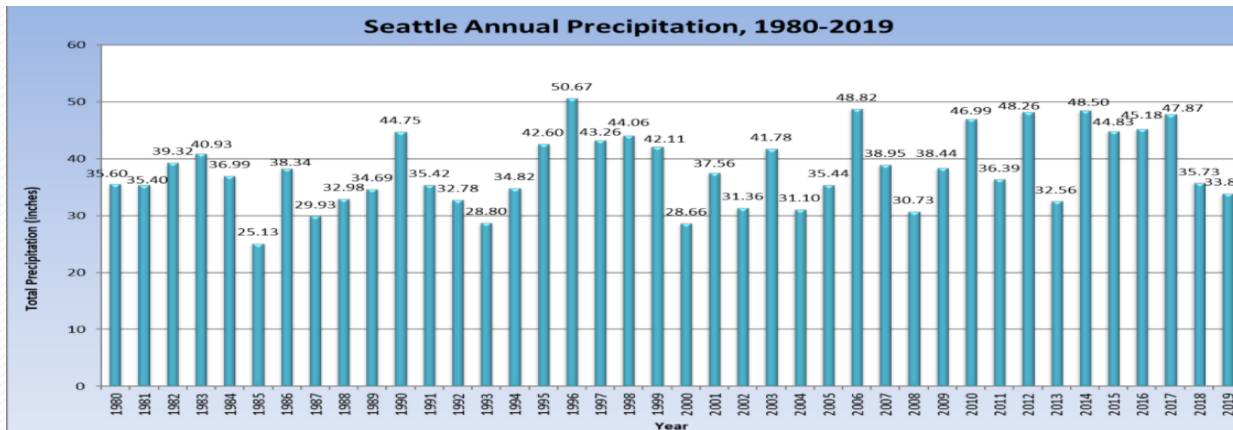
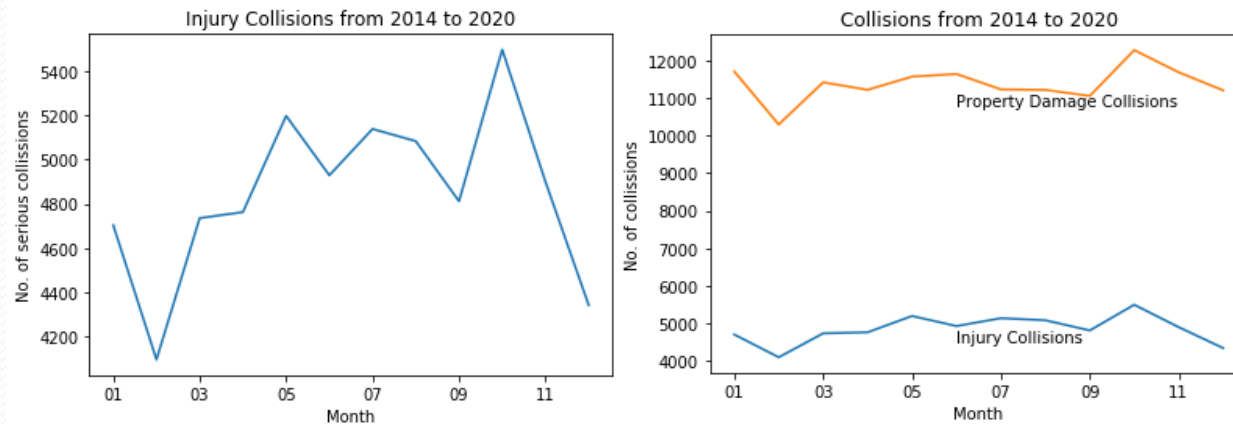
The Trend – Over the Years

We can see a downward trend despite occasional peaks.



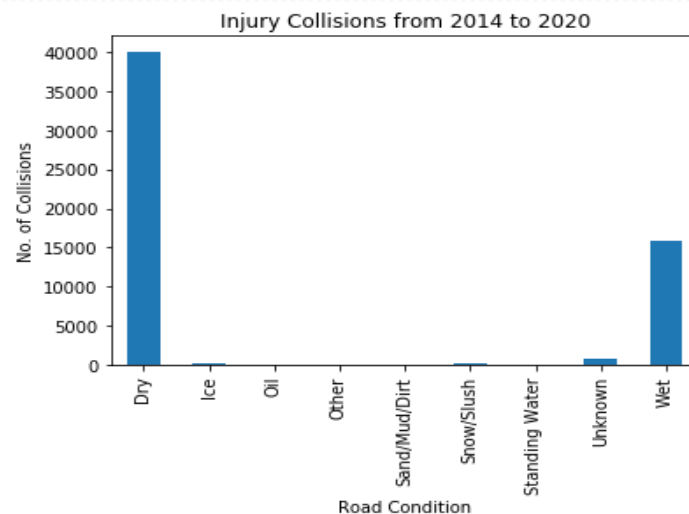
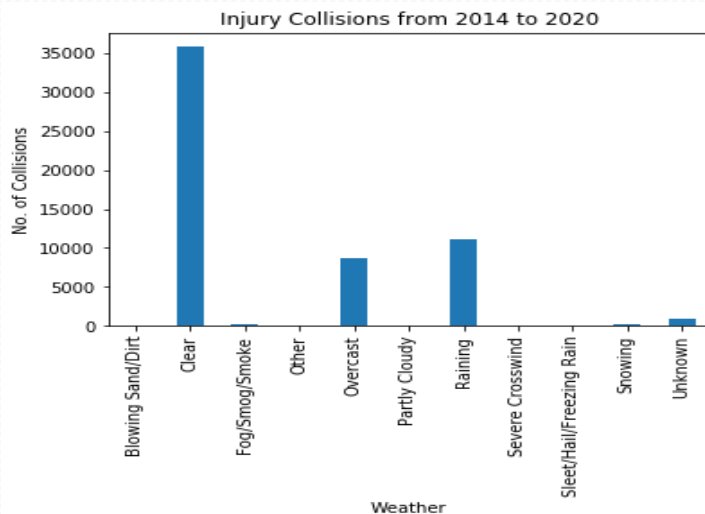
Trend - Monthly

- There few fixed peaks and troughs



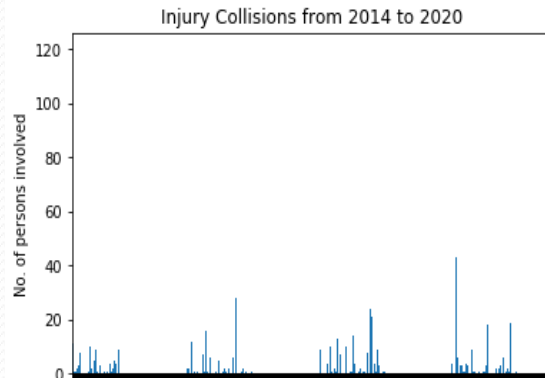
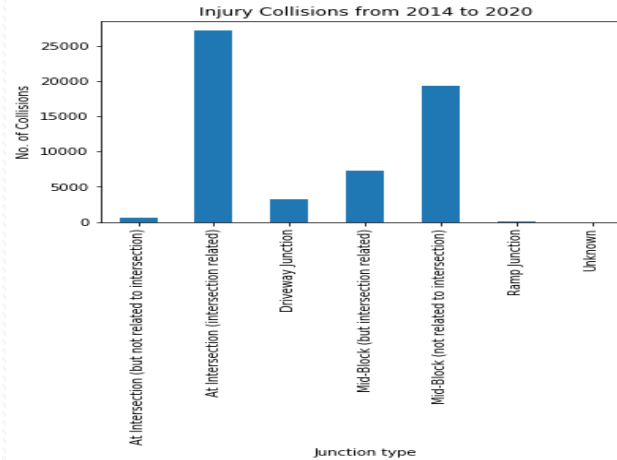
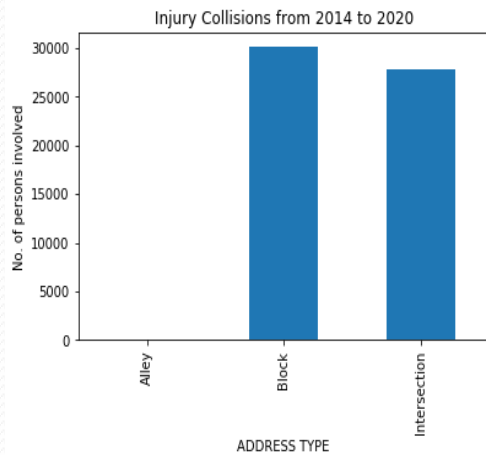
Possible Causes

- Could Rain & weather be the causes



Impact of landscape

- Could certain areas have higher impact



	LOCATION	PERSONCOUNT
10802	BATTERY ST TUNNEL NB BETWEEN ALASKAN WY VI NB ...	276
10803	BATTERY ST TUNNEL SB BETWEEN AURORA AVE N AND ...	271
16841	N NORTHGATE WAY BETWEEN MERIDIAN AVE N AND COR...	265
10636	AURORA AVE N BETWEEN N 117TH PL AND N 125TH ST	254
9152	6TH AVE AND JAMES ST	252
10640	AURORA AVE N BETWEEN N 130TH ST AND N 135TH ST	239
10345	ALASKAN WY VI NB BETWEEN S ROYAL BROUGHAM WAY ...	238
19351	RAINIER AVE S BETWEEN S BAYVIEW ST AND S MCCLE...	231
10357	ALASKAN WY VI SB BETWEEN COLUMBIA ST ON RP AND...	212
23757	WEST SEATTLE BR EB BETWEEN ALASKAN WY VI NB ON...	212

Conclusion

- Also looking at the data it was evident that different types of accidents had occurred with contradicting levels. Which may point to a human error as the reason for accidents.
- We can say that accidents are caused by a combination of environmental and human factors
- We will need more information to further analyze causes of accidents with certainty and to predict risk areas with highest levels of certainty to make roads of Seattle safe for everyone