



Our AWS Pipeline





Extract

data.austintexas.gov

Transform

AWS Glue & S3

Load

Sagemaker



Extract from API



Scheduled Daily, Place in S3 bucket



Mapping/ Visualizations





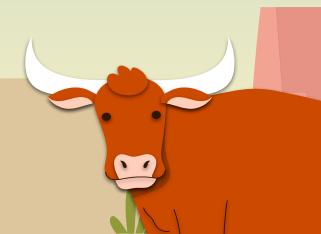


Research Question

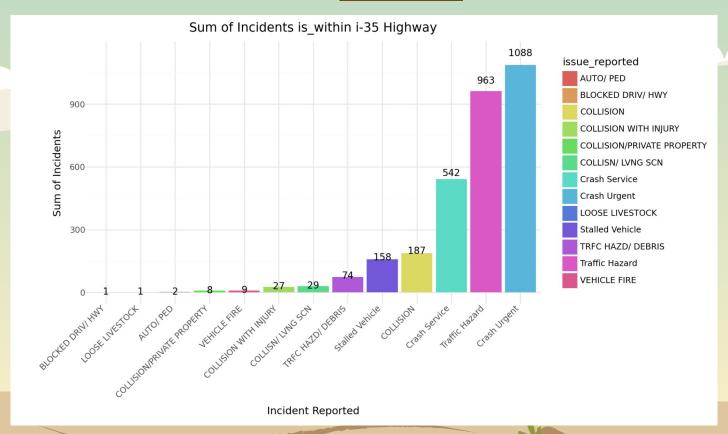


Is there an observable trend with the type of accident and its location?





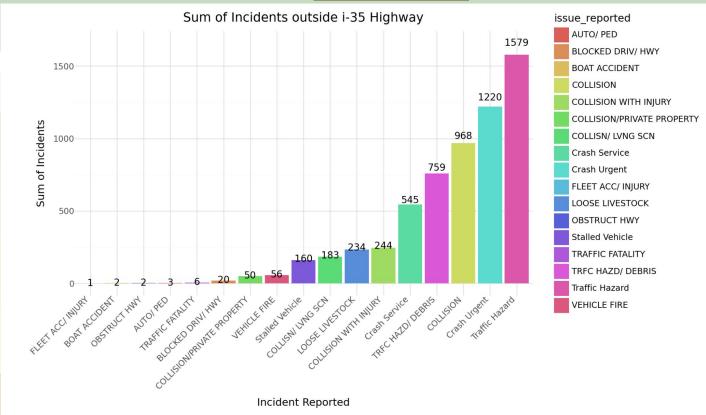
How about Inside I-35?







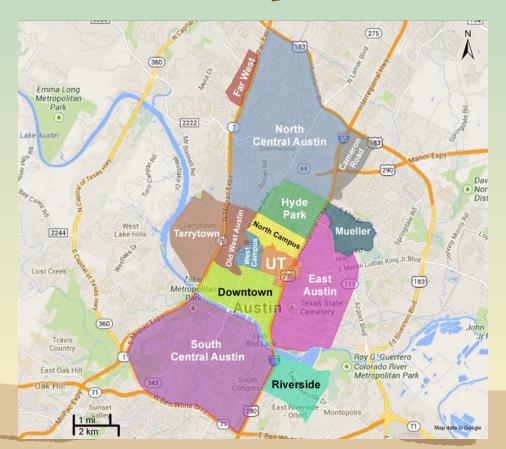
How about <u>Outside</u> the I-35?







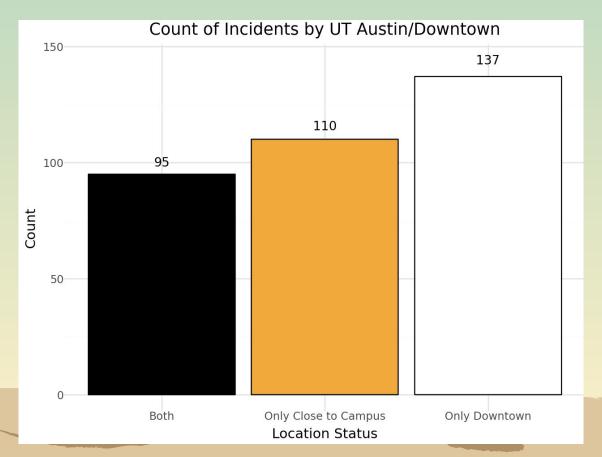
How about Popular Areas?

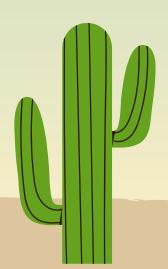




By Location

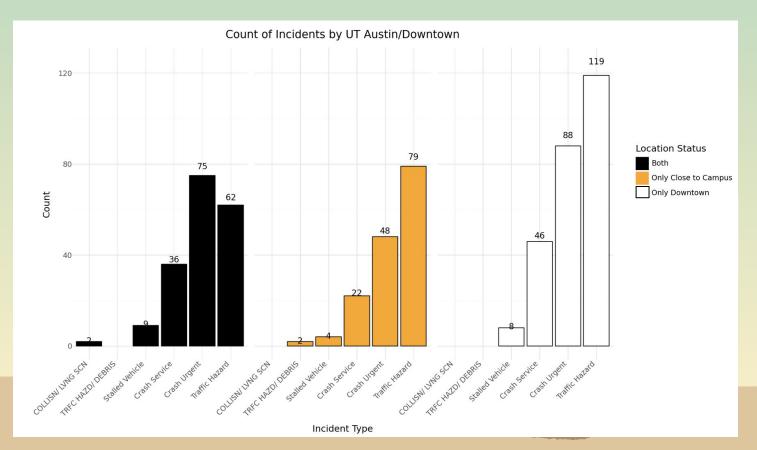








By Incident Type





Conclusion/Takeaways

- Accidents on/near I-35 are mostly Urgent Crashes/Traffic Hazards
- UT Austin has a lot of Incidents!
 - Higher proportion of Crash Services only close to UT Austin
 - Higher proportion of Urgent Crashes only close to UT Austin









Thank You

Questions?



