

# US Traffic Accident

Team Name: Survivors

Team Members:

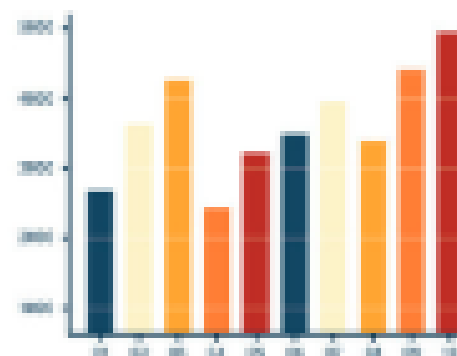
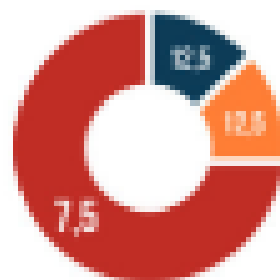
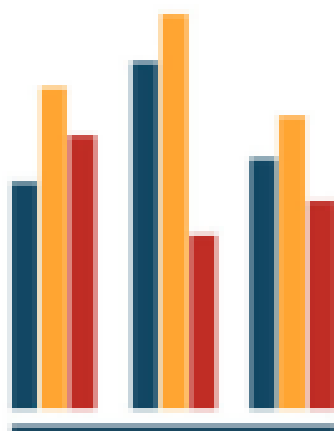
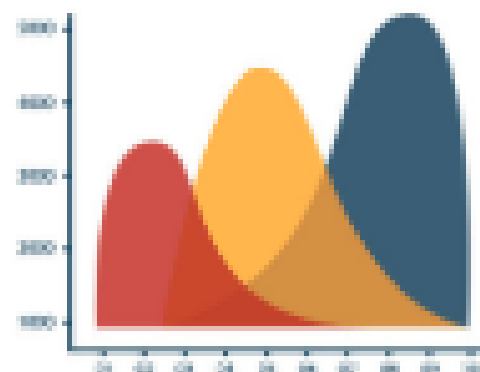
Yixiang Cao <yixiangc@usc.edu>

Qianqian Tang <tangq@usc.edu>

Haonan Xu <haonanxu@usc.edu>



Transportation  
Security  
Administration



< US\_Accidents\_June20.csv (1.24 GB)



Detail Compact Columns

10 of 49 columns

### About this file

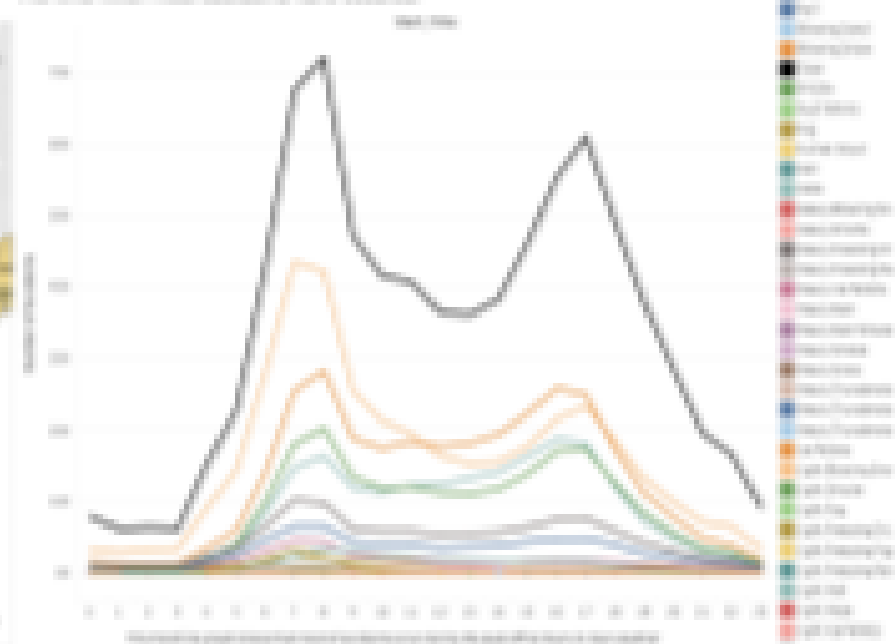
This file contains details of 3.5 million traffic accidents that took place in the United States, from February 2018 to June 2020.

ID	Source	TMC	Severity	Start Time	End Time	Start Lat	Start Lon
This is a unique identifier of the accident report.	Indicates source of the accident report (i.e. the API which reported the accident).	A traffic accident may have a Traffic Message Channel (TMC) code which provides more detailed description of the	Shows the severity of the accident, a number between 1 and 4, where 1 indicates the least impact on traffic (i.e., short delay	Shows start time of the accident in local time zone.	Shows end time of the accident in local time zone. (End time here refers to when the impact of accident on traffic flow	Shows latitude in GPS coordinate of the start point.	Shows lon coordinate point.
3513617 unique values	<div>MapQuest 60%</div> <div>5mg 20%</div> <div>Other 20%</div>						
a-1	MapQuest	200.0	0	2019-02-08 05:48:00	2019-02-08 11:00:00	35.063147	-94.04827
a-2	MapQuest	200.0	0	2019-02-08 06:07:00	2019-02-08 06:37:00	35.406609	-92.88311
a-3	MapQuest	200.0	0	2019-02-08 06:48:27	2019-02-08 07:18:27	35.063148	-94.04826
a-4	MapQuest	200.0	0	2019-02-08 07:20:34	2019-02-08 07:50:34	35.747750	-94.30900
a-5	MapQuest	200.0	0	2019-02-08 07:50:07	2019-02-08 08:09:07	35.627701	-94.10000
a-6	MapQuest	200.0	0	2019-02-08 07:44:35	2019-02-08 08:14:35	40.18850	-92.90301
a-7	MapQuest	200.0	0	2019-02-08 07:50:35	2019-02-08 08:20:35	35.756074	-94.33000
a-8	MapQuest	200.0	0	2019-02-08 07:50:35	2019-02-08 08:20:35	35.756082	-94.33000
a-9	MapQuest	200.0	0	2019-02-08 08:00:40	2019-02-08 08:30:40	35.756081	-94.33000
a-10	MapQuest	200.0	0	2019-02-08 08:10:04	2019-02-08 08:40:04	40.18850	-92.90301
a-11	MapQuest	200.0	0	2019-02-08 08:14:40	2019-02-08 08:44:40	35.063140	-94.33000

Which is the state with most number of accidents?



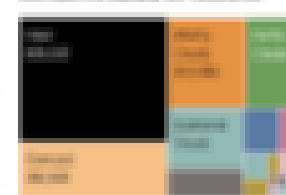
The time when most accidents have occurred.



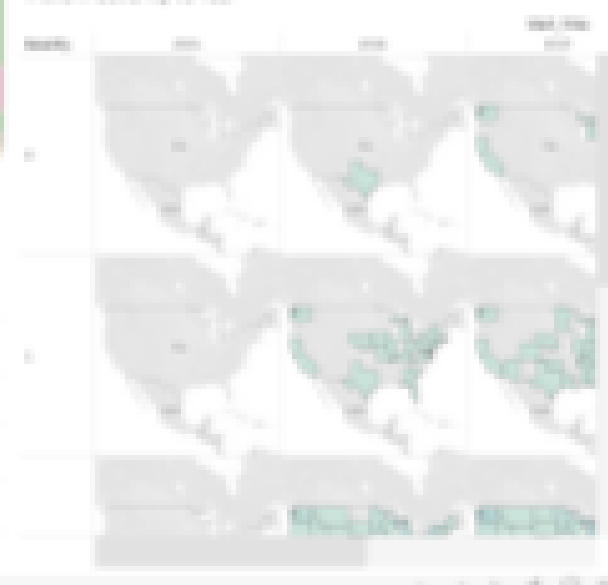
Accidents for Different Roads



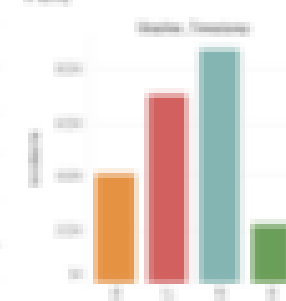
Accidents based on Weather



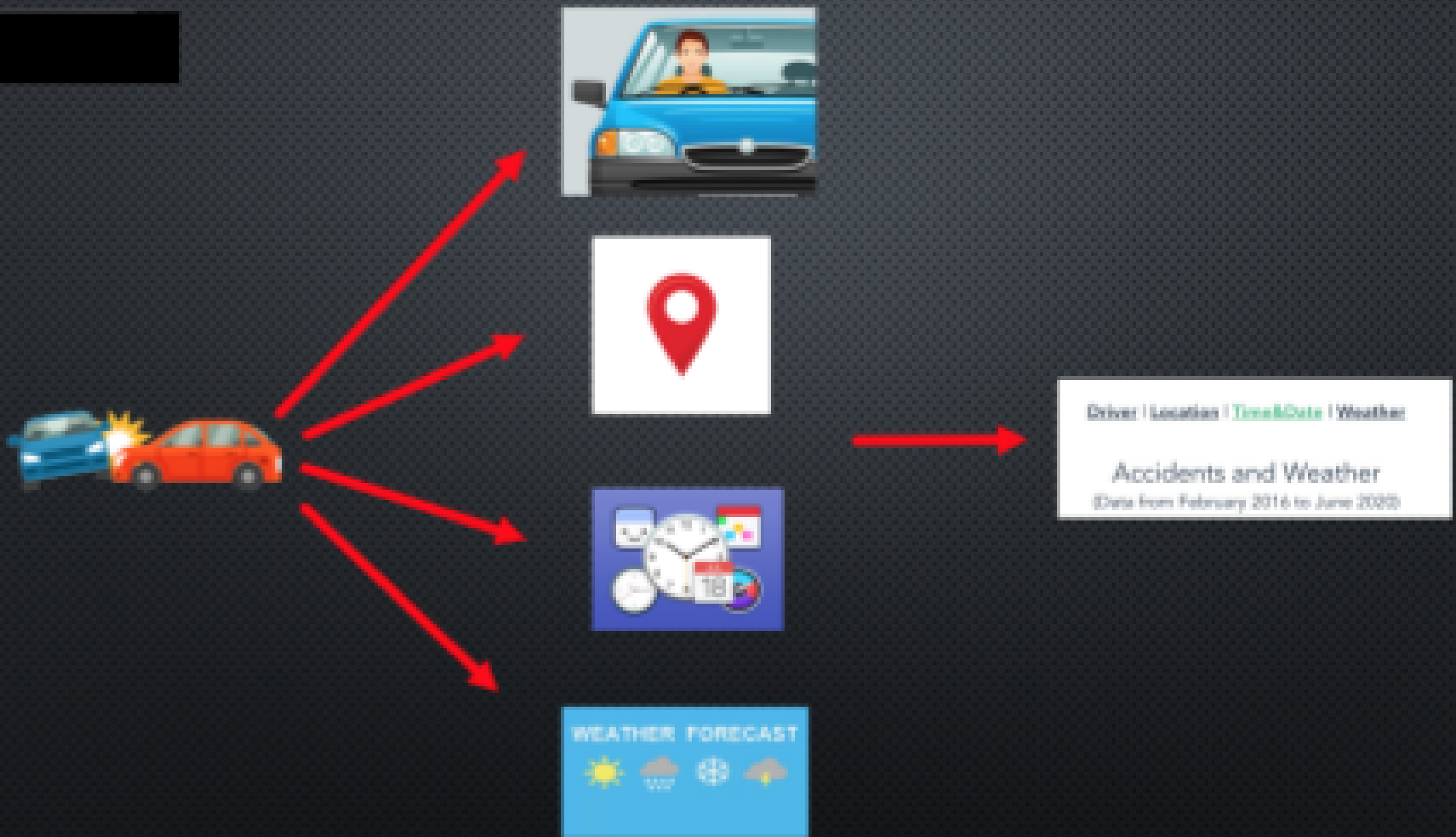
Trend in Severity vs Year

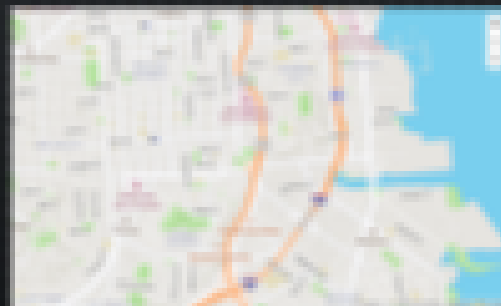
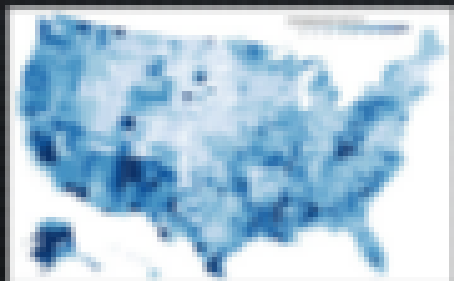
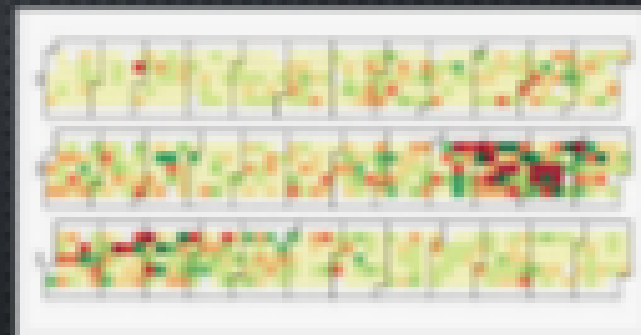
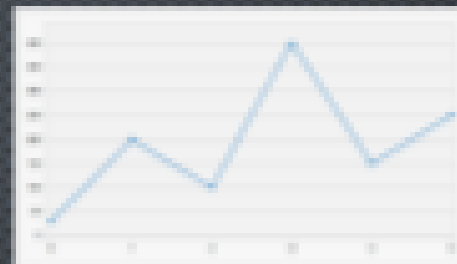
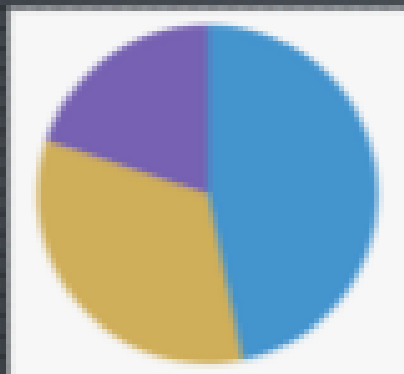
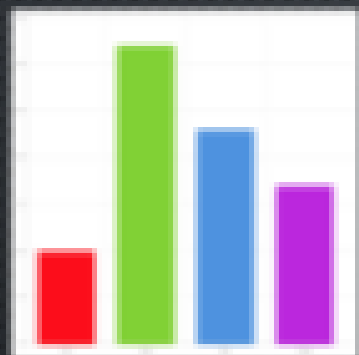


Trend





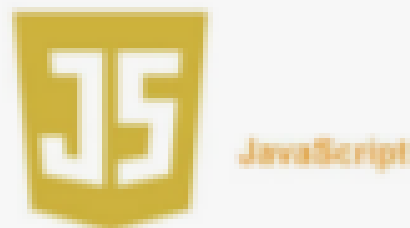




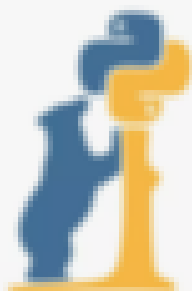




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Pandas



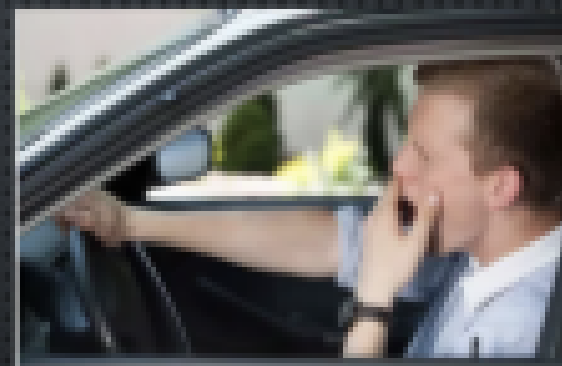
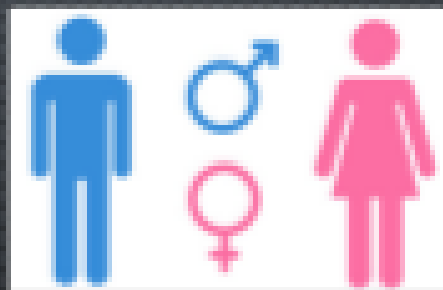
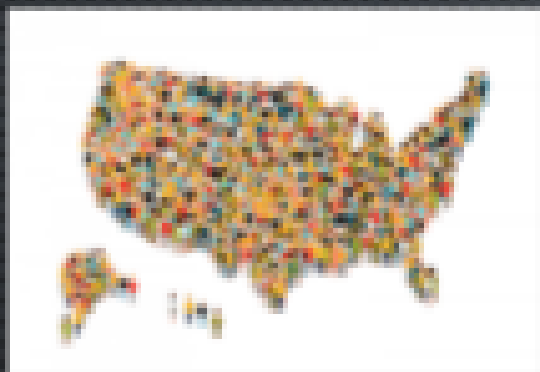
node



GeoJSON



# Driver Analysis



The End