Adam Gincel, Ben Blease, James Romph

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Project Proposal

Our group is interested in the numbers and backgrounds behind people involved in, or causing, car accidents by driving while under the influence of alcohol. NESARC provides a number of interesting data points related to this issue: it can say whether a person has ever been a passenger in a vehicle driven by someone under the influence, whether a person has ever driven drunk, whether a person has received tickets for dangerous driving behaviors, and can give us a ton of useful information about these peoples’ backgrounds. In addition, we also found the following dataset regarding accidents on US Highways, <https://wiki.csc.calpoly.edu/datasets/wiki/HighwayAccidents>. This includes a field denoting how many drunk drivers were involved in a given crash. With these datasets, we may be able to determine interesting estimations of things like: number of persons affected by drunk driving accidents in a given region, number of fatalities caused by drunk driving in a given region given the tendencies of the occupants, and more.