pur data set: we only consider sizele-vehicle crashes, and the range of years is trum 2014 to 2018 be cause: D'multi-vehide crash is hard to analyzed

The a two-vehicle fatal crash

Prov example: which triver's age; which vehicle's model year.

Should we consider? 3 We take 5-year range, since rollar events rare. data set: single-vehicle crashes in FARS 2014-2018. merge person, vehicle, accidant files data manipalation 2, filter data. 3. data cleaning between rollower and variables. (2) check the a sso clation We can use plots to present such information 1 Rollover 2) Statistical test: non-rolover male driver Tho: driver's gondon is associated with rollower Female driver n4 23 Ha: driver's gunder is not associated with rolling -> use chi-square test. 3 modeling: 1. KNN model Bring the significant variables in 2. Josistic regression. 2 into the model 4 model comparison & conclusion