Tesla Death Analysis

It seems that Tesla has been in the center of debate when it comes to the safety of its drivers and pedestrians. Many people tend to think the autopilot is fool-safe and is safe when it is not. Although these deaths may not be as common, I think it is best to try and investigate whether Tesla’s are indeed safe. The National Highway Traffic Safety Administration has reported on these many times because it is a reoccurring issue. Many other manufacturers are also cracking down on this safety aspect of electric cars as well to push their product past Tesla. The NHTSA also states that majority of the automated car crashes are involving a Tesla while other agencies and articles brag about Tesla being the safest cars on the planet.

I am investigating this question: Are Teslas as safe as everyone says they are? I am tired of the inconsistency and would like to put this to the test by using data analysis and visualization to see whether Tesla crashes are fatal and whether the car was assisted in driving automatically.

I believe the dataset I chose from Kaggle.com will absolutely help me on my endeavors because it not only shows if the deaths were in an auto-pilot driving car, but it separates each case by time, date, whether autopilot was claimed or not, whether the autopilot was confirmed, and whether the pedestrian, driver, or passenger was injured or killed. The dataset gives an abundance of detail regrading each case which I can figure out to use to the best of my ability to answer the question. Overall, I think the dataset will do wonders in answering the question I posed due to the sheer details included.

I think this question is very important because as Tesla continues to stay the top-dog in the electric car industry, it is important to try and find its flaws so other companies can compete properly and fix these issues in their makes. I think there is a genuine misconception when it comes to Teslas and safety. Since I do not personally own a Tesla, I will drive in a few of the models my friends have just to get a feel of the vehicle before jumping into the data and performing statistical inferences and data visualizations. I think that because I am strictly using the dataset, I think I can get away with just doing analysis on the data without physically having to go and drive Teslas or observe when they crash. This dataset’s detail alone is enough to conduct several statistical analyses regarding Tesla’s safety. This question is important also because it holds Tesla accountable for their vehicles and the claims they make. Just because they are the first ones in the business and hold a sort of monopoly, it does not excuse them from normal safety protocol when it comes to developing and delivering a vehicle for the public.