Project Task 1: Dashboard

In order to combat negative publicity. First, I needed to investigate the accident reports where I could compare the accidents happened on the road through automobile vehicle vs. airlines. Then I compared accident happened from 1985-99 duration vs. 2000-14. After then I checked fatalities & incidents happened based on different airlines. Also, I included a pie chart of top 5 airlines where most fatalities happened. Also, I included airline industry operating revenue and net profit chart. Please find below details on each chart I prepared.

1. **Automobile vs Airline Crashes:** The chart compares the automobile crashes happened against airline crashes and it clearly shows automobile crashes counts are way higher than airlines. Also, we can see number of crashes are reducing year over year in airline industry.
2. **Fatalities, Incidents & Fatal Accidents 1985-99 vs 2000-14:** This chart clearly shows number of fatalities, incidents & fatal accidents, all of them reduced and counts are very less in 2000-14 then 1985-99.
3. **Airline Operating Revenue & Net. Profit:** This shows revenue and net profit by airline companies it is increasing year over year with some exception years where it reduced. Based on this it seems like more air travelling happening and as a result airline are earning more year over year.
4. **Airline Fatalities: 1985-99 vs. 2000-14:** It clearly shows many airlines had more fatalities in 1985-99 as compared to 2000-14. So, the number of fatalities at many airlines is reducing.
5. **Airline Incidents: 1985-99 vs. 2000-14:** Shows number of incident spread is slightly less in 2000-14 as compared to 1985-99.
6. **Top 5 Airlines with Most Fatalities in 2000-14:** Shows top 5 airlines where maximum fatalities happened in 2000-14.

From the above analysis I think airline travel is safest as compared to automobile travel. We can also see number of crashes are reducing year over year, so they are doing better in enforcing good safety measures. Above analysis is evident of this conclusion.

Supporting Data sources:
1. https://github.com/fivethirtyeight/data/tree/master/airline-safety
2. https://www-fars.nhtsa.dot.gov/Trends/TrendsGeneral.aspx
3. http://www.baaa-acro.com/statistics