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Dashboard Thought Process

When I was thinking about my visualization strategy for the airline safety data, my focus was on simplicity. I started with a line chart that depicted the total number of passenger-flight accidents from 1946 to 2021, drawn from an initial dataset. From this initial look, I then wanted to dive into the data regarding specific airlines. I narrowed it down to the top five airlines, since the airlines which have the most people flying will encounter more incidents. I chose mostly bar charts for these visualizations since it's an easy way to depict categories and their differences. By looking at the dashboard, it is quick to determine the airline trends and how their number of incidents and fatal accidents is quite low, especially in comparison to the total number of car accidents in the Town of Cary from 2012-2017. For reference, Delta's circle in the bubble chart represents 24 incidents from 1985-1999 and 24 incidents from 2001-2004.

My plan for sharing this with my team is to lay the basis for the safety in the airline industry, especially when compared to driving in cars. Ethically, it can be very easy to choose data that focuses on the safety of airplanes and masks the reality of how dangerous they can be. There is no way to combat that airplanes have caused deaths, and I think that is still important to share, even if just that may scare people into thinking flying is unsafe.