What are the analysis questions that I am going to answer?

1. Top 10 or Top 20 Airports comparison among the airports before and on Covid time in terms of the number of flights conducted. Flights delay comparison, Reason for the delay.
2. Top 10 or Top 20 Major States in terms of the number of flights conducted per day or per month? Flights delay comparison, Reason for the delay.
3. Top 10 or Top 20 Major Airlines having much of their flights delayed before and on the time of Covid.
4. What are the major Reasons that contributed for a flight delay?
5. Is airlines On time performance affected positively or negatively due to Covid ? what are the possible factors for that ?

**How are these categories defined?**

* **Air Carrier:** The cause of the cancellation or delay was due to circumstances within the airline's control (e.g. maintenance or crew problems, aircraft cleaning, baggage loading, fueling, etc.).
* **Extreme Weather:** Significant meteorological conditions (actual or forecasted) that, in the judgment of the carrier, delays or prevents the operation of a flight such as tornado, blizzard or hurricane.
* **National Aviation System (NAS):** Delays and cancellations attributable to the national aviation system that refer to a broad set of conditions, such as non-extreme weather conditions, airport operations, heavy traffic volume, and air traffic control.
* **Late-arriving aircraft:** A previous flight with same aircraft arrived late, causing the present flight to depart late.
* **Security:** Delays or cancellations caused by evacuation of a terminal or concourse, re-boarding of aircraft because of security breach, inoperative screening equipment and/or long lines in excess of 29 minutes at screening areas.