Process Raw Data

1) You want do the first round processing the raw data and create monthly CSV files that begin groupby and add up departures and passengers. This can be done based on various conditions. For example, in the Flight&Pax code simply extracts and adds up departure and passenger data for each airport on monthly basis. Airlines code extracts and adds up departure and passenger data for each by airline, so the output has more rows. Actypes does the same by aircraft type and Destinations by destination airport.

2) **Very important:** include in the script that you wish to extract data for Class F flights only. I checked with Rosalyn Alleman, Reference Librarian, Bureau of Transportation Statistics. According to her, the Class F flight is the correct type of scheduled passenger flight for the purposes of my study. Airports can have cargo flights and unscheduled or charter passenger flights, but in this analysis we are interested only in scheduled passenger flights. More info on the flight [classes is here](https://www.ecfr.gov/current/title-14/chapter-II/subchapter-A/part-241/subject-group-ECFRb6240d0cae7da08).

3) To make sure that I capture data for the all the airports with even one flight, the script includes a dataframe to which the iteration places the extracted data. That dataframe comes from the Airport\_ID csv file. That file is a support table I have downloaded from the BTS website.

A close-up of a message

Description automatically generated