Create a monthly time\_series tracking either pax or deps:

1) Use monthly\_time\_series jupyter notebook. It is in this folder time\_series

2) Position it adjacent to the annual folders

3) Adjust the script according for both year and data you wish to compile (departures or passengers)

4) Run the script.

5) Output is as follows: time\_series\_pax\_airport\_{year}.csv (or deps); the output files have each year on monthly basis

6) Not all airports had departures of passengers every year, but in all, the files have data on 813 US airports which had at least Class F flight departure between 2019 and 2022.

Create a monthly time\_series tracking for other variables:

1) Follow the steps above and use the specific codebooks

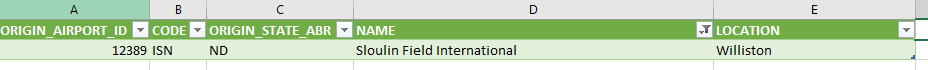
Add information about the airports to the files:

The output files have the following headers:

A screenshot of a computer

Description automatically generated

At this stage we will additional information about the airports. Namely the following new columns:



This data is available in the support tables Airport\_ID Airport\_Code

You can access the Airport\_Code in the download page for

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Observation: there are duplicate codes and nonexistent airports in the Airport\_Code. They must be removed as explained in the attached file removing\_duplicate\_airport\_codes

For joining the code, there is the notebook Airport\_code\_join

The final output should be a dataframe and a csv ‘airport\_codes\_master\_analysis’ with 813 rows of data or all the US airports that had at least one departure between 2019 and 2022.

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Add the airport data to the time\_series\_{pax/deps}\_airport\_{year}.csv

Using the adding\_airport\_data notebook; adjust the year and pax/deps accordingly