

Title -Task 5C Tableau Dashboards

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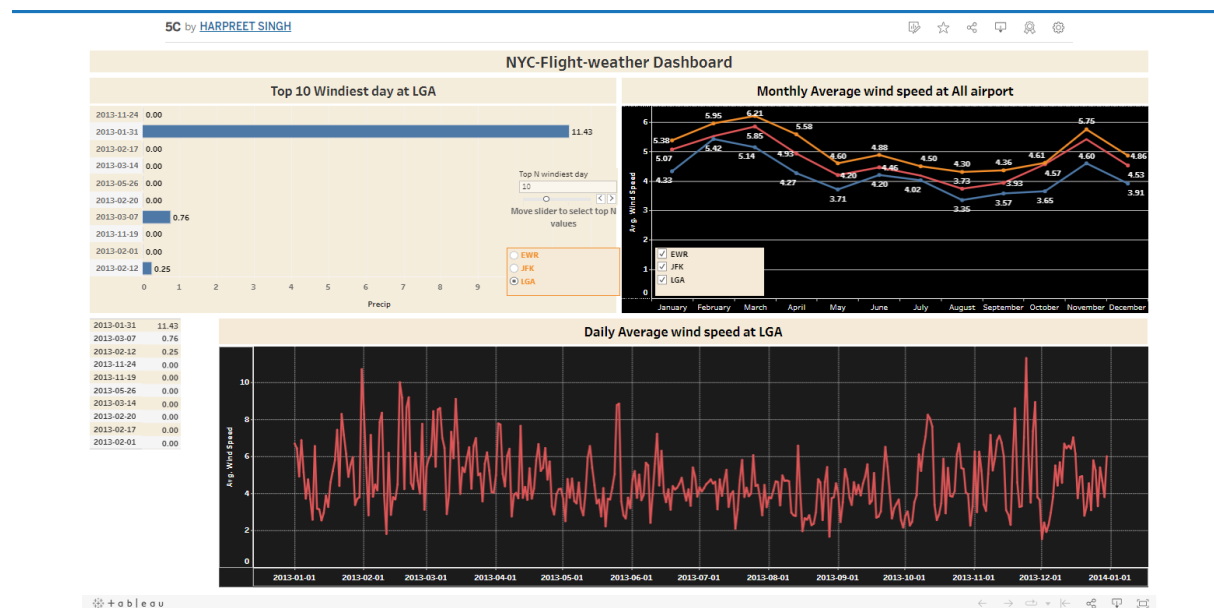
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Dashboard URL:

https://public.tableau.com/app/profile/harpreet.singh7429/viz/5C_17068775638900/Dashboard1?publish=yes



The above Dashboard has various user controls to filter the visualisation dynamically based on user inputs.

It uses the NYC-Flight weather dataset which gives the hourly meteorological data for three airports in New York: LGA, JFK, and EWR for the whole year of 2013.

The columns are:

- origin – weather station: LGA, JFK, or EWR,
- year, month, day, hour – time of recording,
- temp, dewp – temperature and dew point in degrees Fahrenheit,
- humid – relative humidity,
- wind_dir, wind_speed, wind_gust – wind direction (in degrees), speed and gust speed (in mph),
- precip – precipitation, in inches,
- pressure – sea level pressure in millibars,
- visib – visibility in miles,

- time_hour – date and hour (based on the year, month, day, hour fields) formatted as YYYY-mmdd
HH:MM:SS (actually, YYYY-mm-dd HH:00:00).

Using the above dataset, The dashboard uses various plots which can be analysed individually below :-

Here in Fig 1.1, we are computing daily average wind speed for the LGA airport.

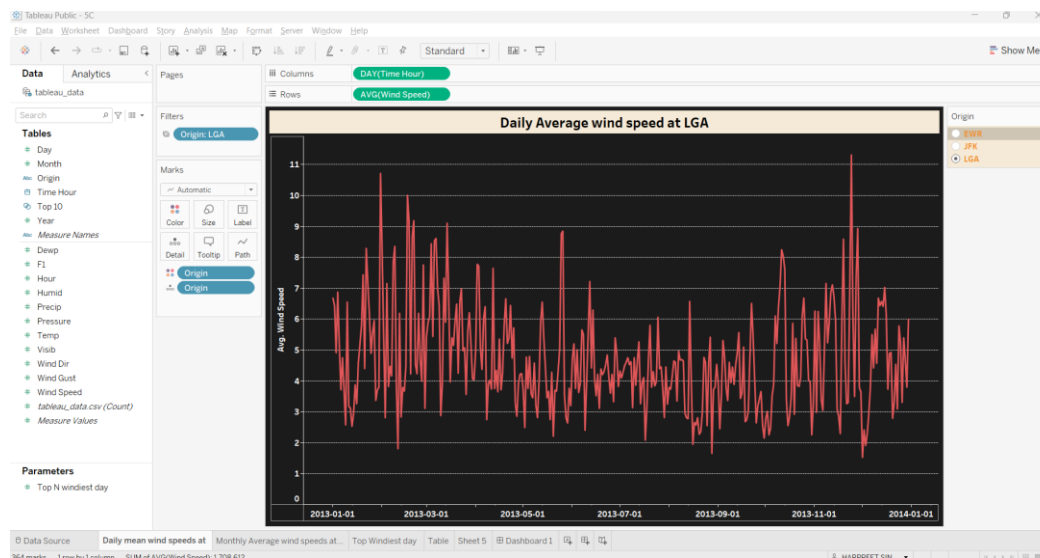


Fig 1.1

In Fig 1.2 we are presenting the daily mean wind speeds at LGA

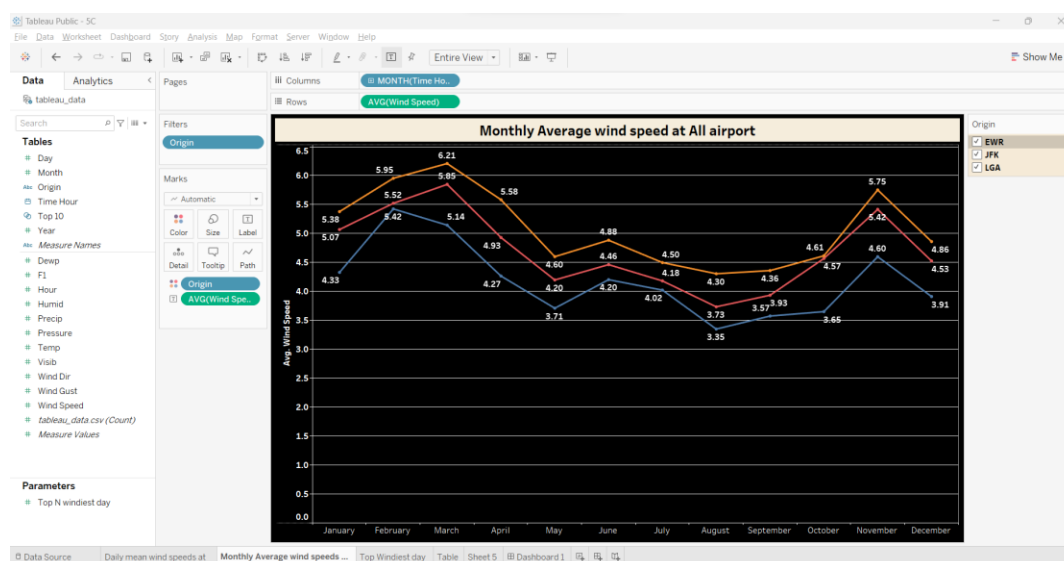


Fig 1.2

In Fig 1.3 using bar plot and Fig 1.4 using table, we are identifying the 10 windiest days at LGA. Here we can also filter the airport as well as top n values, n=5,10,15....

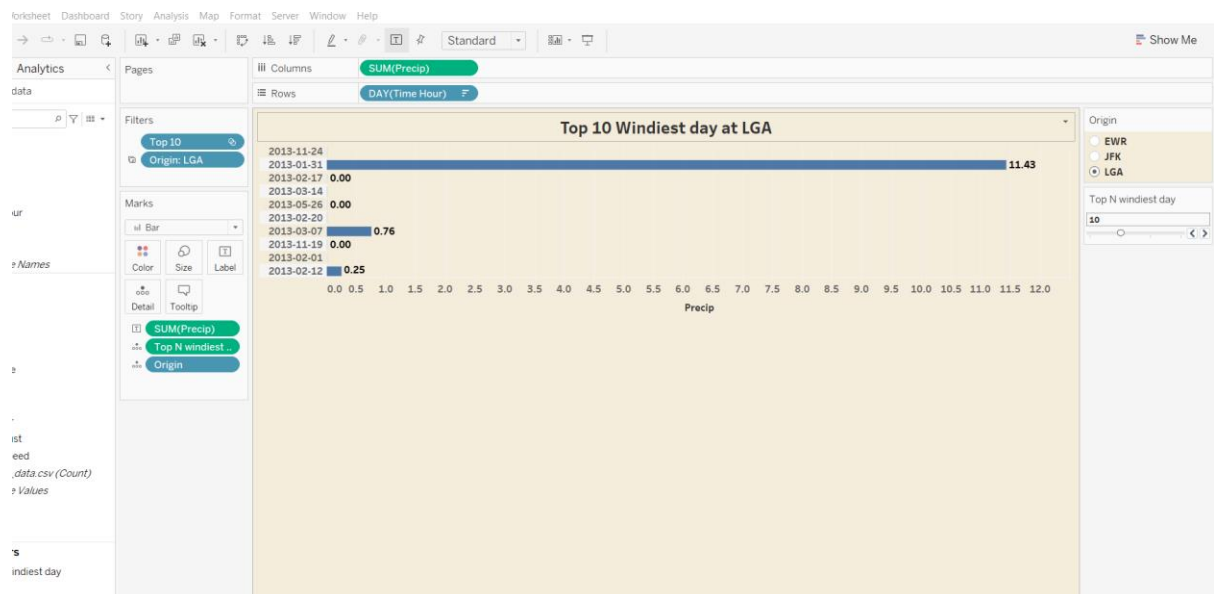


Fig 1.3

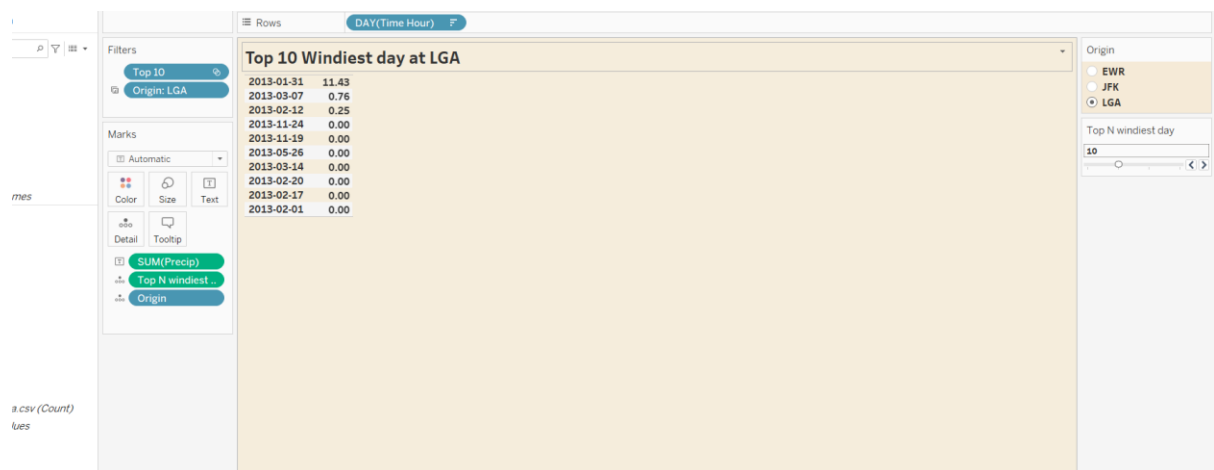


Fig 1.4