

Data analytics and visualisation - Tableau

את ההתנסות יש לבצע על גירסת [/https://public.tableau.com/en-us/s](https://public.tableau.com/en-us/s)

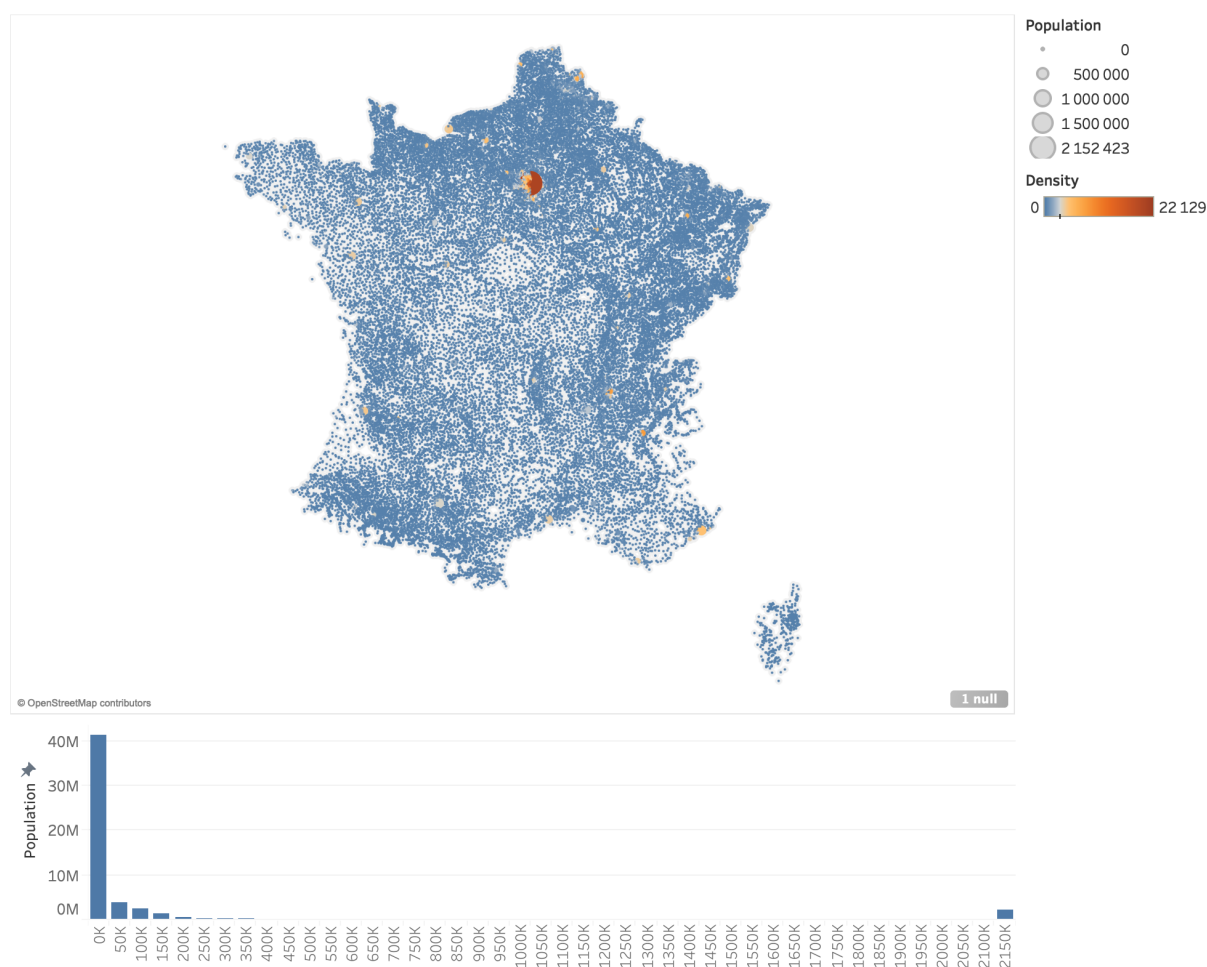
הורידו את ההתקנה מהלינק, וצרו גם משתמש חדש.

שימו לב - גירסה זו פתוחה לציבור הרחב, מידע שקיים בה חשוף לעיני כל.
במידה ויעלה צורך לשימוש בטבלאו בפרויקט הסיום יש לפנות למהנדס המחלקה לקבלת רשיון.

יש להגיש מסמך מסכם מסכם הכולל צילומי מסך והסברים ולינק לגירסה שלכם באתר טבלאו.

Places in France (population,density Etc)

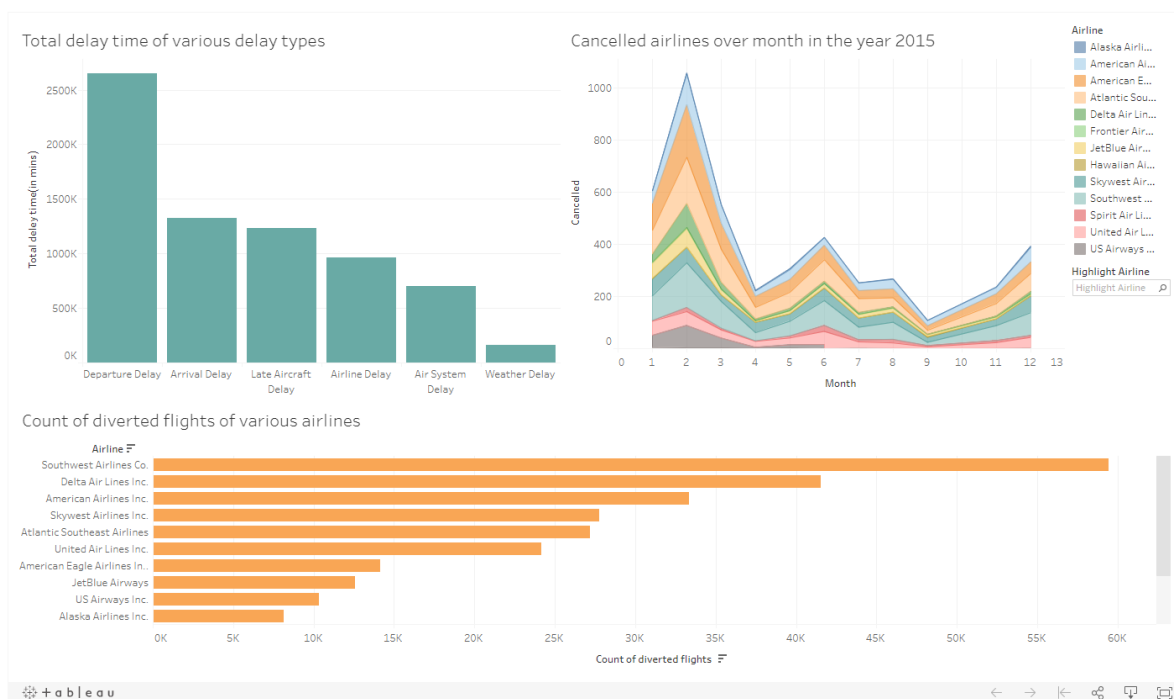
Step by step using the [link](#) create the below



Pay attention to the exercises at the of this link:

- Add a histogram of population densities.
- Try different encodings for the population and density.
- Try changing the data types, e.g. make Tableau treat x and y as latitude and longitude (they aren't). Notice how the representation changes.
- Try using the Show Me interface to re-create the histogram.
- Try using the Show Me interface to find different representations.
- Do you notice anything interesting about the data?
 - Can you create different views that highlight your findings?

Performance of US domestic flights



https://public.tableau.com/profile/simran.gujrati#!/vizhome/Flights_99/Dashboard1?publish=yes

The flight dataset given contained the details of the on-time performance of US domestic flights operated by large air carriers in 2015.

<https://www.kaggle.com/usdot/flight-delays/data>

Our task is to design the dashboard above using tableau

Using the given dataset, create three main visualisations, Integrated in one dashboard.

1. Total delay time of various delay types:
This visualization provides the most often reason for delay of flights.
2. Cancelled airlines over month in the year 2015:
This visualization provides the information about the cancellation of flights of various airlines in each month in the year 2015.
3. Count of diverted flights of various airlines:
This visualization provides the count of flights of various airlines that were diverted in the year 2015.

1. Finding tutorials and ideas
<https://www.tableau.com/about/blog>
2. visual best practices (also there are links to more deepdive in tableau
<https://interworks.com/blog/rcurtis/2017/06/20/tableau-deep-dive-dashb>
[oard-design-visual-best-practices](https://interworks.com/blog/rcurtis/2017/06/20/tableau-deep-dive-dashb)
3. Links for very thorough charting examples
<https://github.com/reclac-itna/tableau-playbook-examples>
<https://www.pluralsight.com/guides/tableau-playbook-line-chart>
At the end of the last link you can find links for more charting possibilities
<https://www.pluralsight.com/guides/tableau-playbook-advanced-line-chart>
4. More best practice in tableau
<https://senturus.com/blog/tableau-dashboard-design-10-best-practices/>