

1. **Main task:** Today's task is about different tools to visualize the same data.
  - (a) Find some data, either from a previous lab, or somewhere new. Suggestions:
    - i. Kaggle: [kaggle.com/rishidamarla/art-and-artists](https://www.kaggle.com/rishidamarla/art-and-artists)
    - ii. EU Open Data Portal: [data.europa.eu/data/datasets/15964162](https://data.europa.eu/data/datasets/15964162)
  - (b) Visualize it in (at least) three of the tools below. All should be usable from within your browser.
    - i. *PowerBI* ( [app.powerbi.com](https://app.powerbi.com) ): you should have access with your RTU email address.  
*Warning: the online portal can not handle large amounts of data, so you may need the desktop version.*
    - ii. *Grafana* ( [grafana.com/grafana](https://grafana.com/grafana) ): Use the "Sandbox".  
*Warning: By default, Grafana is made for time-series data, so your data should have a column for time.*
    - iii. *Chartist.js* ( [gionkunz.github.io/chartist-js](https://gionkunz.github.io/chartist-js) ): Edit the code in your browser in the "Examples" page
    - iv. *DataWrapper* ( [www.datawrapper.de](https://www.datawrapper.de) ): Use the "Start creating" button
    - v. *Infogram* ( [infogram.com](https://infogram.com) ): Choose "Dashboards" from the "Create" menu
    - vi. *ChartBlocks* ( [chartblocks.com](https://chartblocks.com) ): Use the "Get started" or "Try it" buttons

Submit the plots on ORTUS.

2. **Project 1 check-in:** All of the the next lab (Feb 22) will be your project presentations.
  - (a) Have you already created one visual? Two visuals?
  - (b) Have you adjusted the styling / presentation of your visual so that it is easy to understand?
  - (c) Do you have text that disucsses the data from multiple points of view?