

Workshop on "Data Visualisation Tools in the EU Institutions"



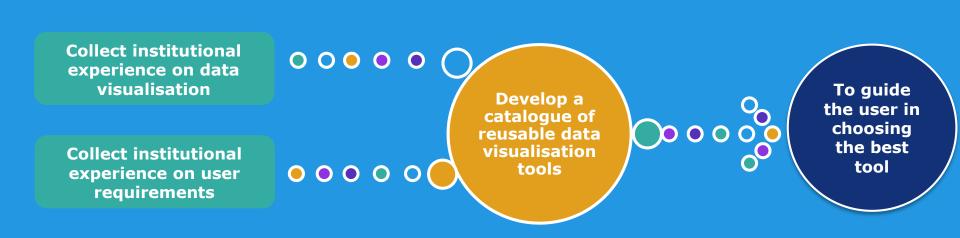


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Introduction | Objective of the workshop





Introduction | Why is data visualisation important?

Objectives of visualisation:

Explanatory: annotate and describe

Exhibitory: display

Exploratory: interrogate, manipulate

Reference: Andy Kirk: http://www.visualisingdata.com/about/



Introduction | Our approach

Create a list of user requirements for data visualisation tools for the EU institutions.

Produce a classification of data types and visualisations

Specify the structure of and the user requirements for the catalogue of reusable data visualisation tools.

Identify and document the data visualisation tools currently in use by the **EU Institutions** as well as other relevant visualisation tools used by other organisations.



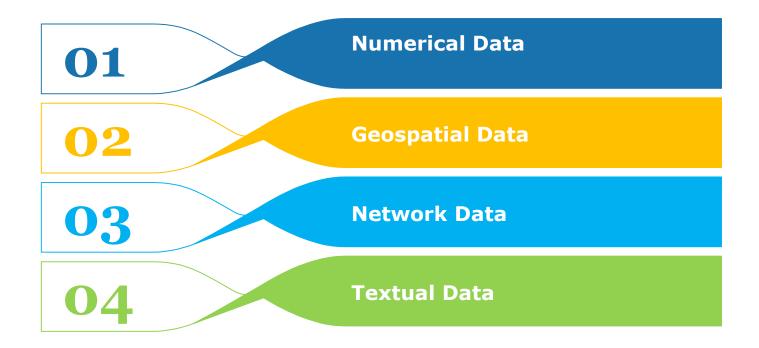
User requirements | initial collection

Share your opinion with us!





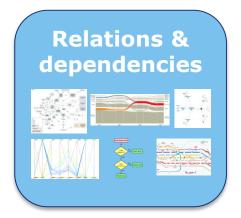
Data types | Proposed classification

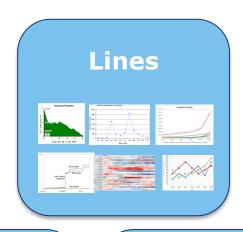


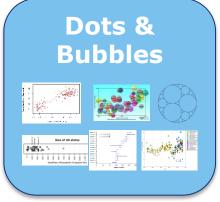


Data visualisations | Classification



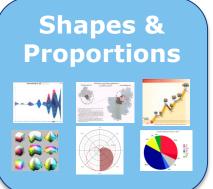














The catalogue | Objective

The catalogue of data visualisations aims to be a trusted source of information about available tools, practical examples and practices that allow EU institutions and Member State administrations to explore, interpret and communicate data more easily, more effectively and more efficiently.

Key use case: Discovery of information about available data visualisation tools which can:

- Produce a specific type of data visualisation, e.g. a graph or a map
- Visualise a specific type of data, e.g. statistical, textual or geospatial data.



Objective: Plot an unemployment rate over time in each Member State

Specific needs:

Have a **coloured** indication of those MSs that stand out as positive or negative outliers from the average unemployment rate within the EU.

A visualisation that **compares trends over time** from MS to MS

Steps:

- 1. Select the data visualisation "Lines"
- 2. Check the **number of observations and variables that can be represented** by the different visualisations of lines
- 3. Choose the one that fits your needs: "Horizon chart"

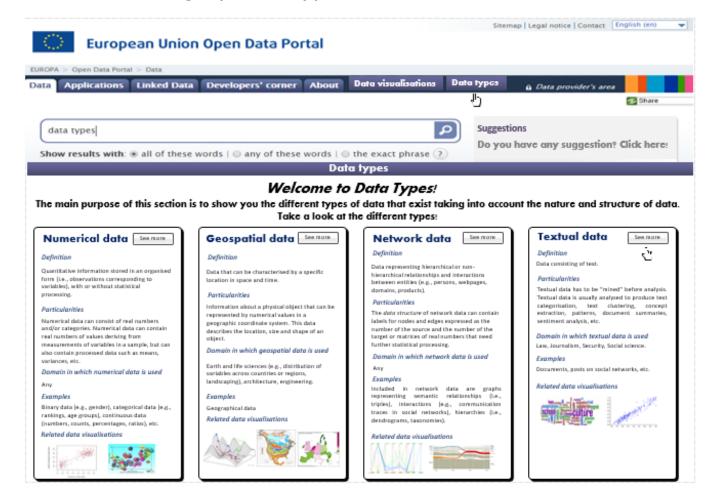


Step 1: using faceted search to discover tools that can produce lines





Alternative 1: browsing by data type





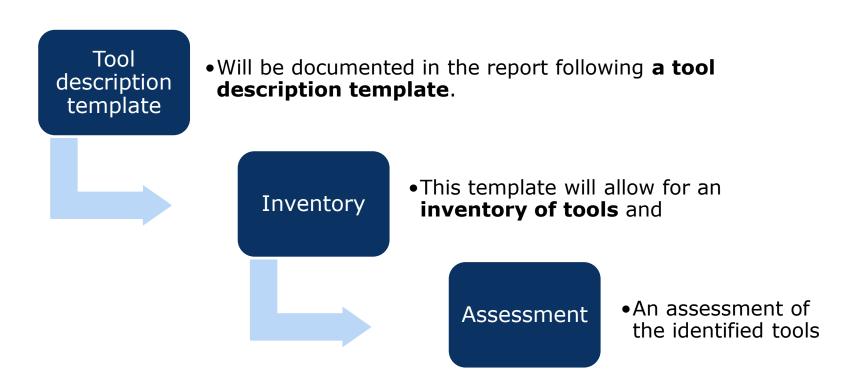
Steps 2 & 3: find basic information about the data visualisation type (lines) and the tools that can produce it





Data visualisation tools | Creating an inventory of tools

Data visualisation tools used by the EU Institutions:





Next steps

Your input and feedback received during the workshop will be incorporated in our current and future work.

- Scope of the catalogue
- Support services to be provided by the catalogue
- Functionalities of the catalogue
- Information to be made available
- Piloting the catalogue

Developing further data visualisation capabilities within the EU institutions

- Organising trainings
- Creating examples with your data

The outcomes of our on-going task will be made available to all of you in early July 2016.



Save the date!



Stay tuned at:

https://joinup.ec.europa.eu/node/148436



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