

1 VISUALIZATION EXAM. JANUARY 2021

1.1 EXERCISE 1 (3 POINTS)

Make a chart from the jobs data set. You can also work with a subset of the dataset (if this is the case, mention it). This data set describes how many men and women worked on different professions from 1850 to 2000.

You can get it from vega_datasets:

```
from vega_datasets import data

jobs = data.jobs()
```

and you also have a CSV and Excel version available.

Explain your criteria for selecting the encodings and the charts.

Polish units, scales, and titles of the previous chart.

1.2 EXERCISE 2 (1 POINT)

Make a table for one of the professions from 1950 to 2000.

1.3 EXERCISE 3 (2 POINTS)

Imagine you are working for the technical directors of the Ministry of Equality. They receive data updates (similar to the ones contained in the jobs dataset) every month. Describe the potential users of the dashboard and how her/his profile has determined the design. Design a simple dashboard by drawing with a pencil the main charts to be included and describing provided interactions.

1.4 EXERCISE 4 (2 POINTS)

Choose one subtopic in Perception. Describe it and put examples. Maximum half page.

1.5 EXERCISE 5 (2 POINTS)

Create a short presentation with slides of your CV