Demystifying Cognitive Science
How to
Project Output
Instructions: One level filtering
Multiple level...

Demystifying Cognitive Science Job Profile

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Problem

Cognitive science is a rather new study program with somewhat mysterious job opportunities

Goal

- To summarise cognitive science job profiles across the world in a visually attractive and digestable way

Benefits (for cogsci students)

- More detailed understanding of current career opportunities
- Help to plan education more efficiently
- Reduced stress

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Web scraping

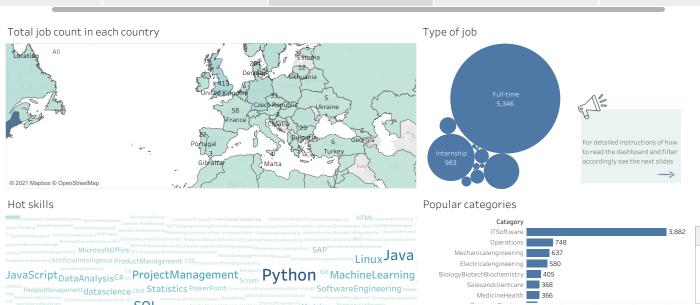




Demystifying Cognitive Science jobs

SQL_{xml} Apache Co

Demystifying Cognitive Science How to Project Output Instructions: One level filtering Instructions: Multiple levels filtering



HumanResourceManagement BusinessDevelopment'

Modeling PharmaceuticalResearch

BigDataInc

sticalDataAnalysis Front-endDevelopment

Job count

Demystifying Cognitive Science jobs

Demystifying How to Project Output Instructions: One level filtering Instructions: Multiple levels filtering Cognitive Sci..

One level filtering

Filtering is possible using any of the graphs. The main filter is set for the map, therefore the correct number of observations per country shows up on each graph. However, when filtering by any other graph for the correct numbers of observations hover over the object of interest and consult the pop-up table. All the visual proportions (e.g. bubbles' sizes) are always representative no matter which filter is being used.

E.g. if you filter all part-time jobs



and are interested in the most popular skill, then hover over the skill written in the biggest font and read the table - "skill count per type" indicates the correct number of that skill count in part-time jobs.

Hot skills



Based on the example above you can filter using any other graph. The explanation of how to always get the right number of observations is below.

Filtering by country (map)

The correct observations number shows up on each graph. If not visible, consult the pop-up tables:

Word cloud - "skill count per country/total skill count"

Bubble chart - "job type count per country/total job type count"

Bar chart - "category count per country/total category count"

Filtering by skill (word cloud)

To get the correct number of observations look at the following values in the pop-up tables:

Map – "job post count filtering by skill"

Bubble chart – "job type count per skill"

Bar chart – "count per skill/category"

Filtering by type (bubble chart)

To get the correct number of observations look at the following values in the pop-up tables:

Map – "job post count filtering by type"

Word cloud – "skill count per type"

Bar chart – "category count per type"

Filtering by category (bar chart)

To get the correct number of observations look at the following values in the pop-up tables:

Map – "job post count filtering by category"

Word cloud – "count per skill/category"

Bubble chart – "job type count per category"

Instructions: One level filtering

Instructions: Multiple levels filtering

Multiple levels filtering

Cognitive Sci..

It is possible to filter by more than one graph, but the coupling must always include the country.

E.g. if you are interested in types of jobs offered in Denmark, first, filter by country

Project Output



then press on the type of your interest, in this case we are interested in PhD/Research job



after this, you can see the most popular categories of PhD type jobs in Denmark, the correct number of the jobs is indicated by "category count per type", because type was the last filter applied.



If interested in any of the skills of PhD type jobs in Medicine Health category, press this category and take a look at the skills word cloud. Hover over any of the skills and consult the pop-up table. The last filter applied was category, therefore you should refer to "count per skill/category" when reading the pop-up table to get the number of times this skill appeared in Medicine Health category in PhD type of jobs in Denmark.



As you see, it is always the last filter applied that indicates the correct number of observations in pop-up tables.