DATA MARKET IN BARCELONA

I HELP YOU TO FIND A JOB

BY ALBERT COCA

Agenda

- Tools
- The Method
- Global Analysis
  - Part I: Category, Modality & Seniority
  - Part II: Tools
  - Part III: Hard Skills & Soft Skills (Top 5)
- Analysis between Categories
  - Part I: Modality & Seniority
  - Part II: Programming Tools differences
  - Part III: Hard Skills differences
  - Part III: Soft Skills differences
- Recap...If you want to become a Data Analyst
- Next Steps

Tools

&

The Method

Webpages

Web Scraping

Structured data

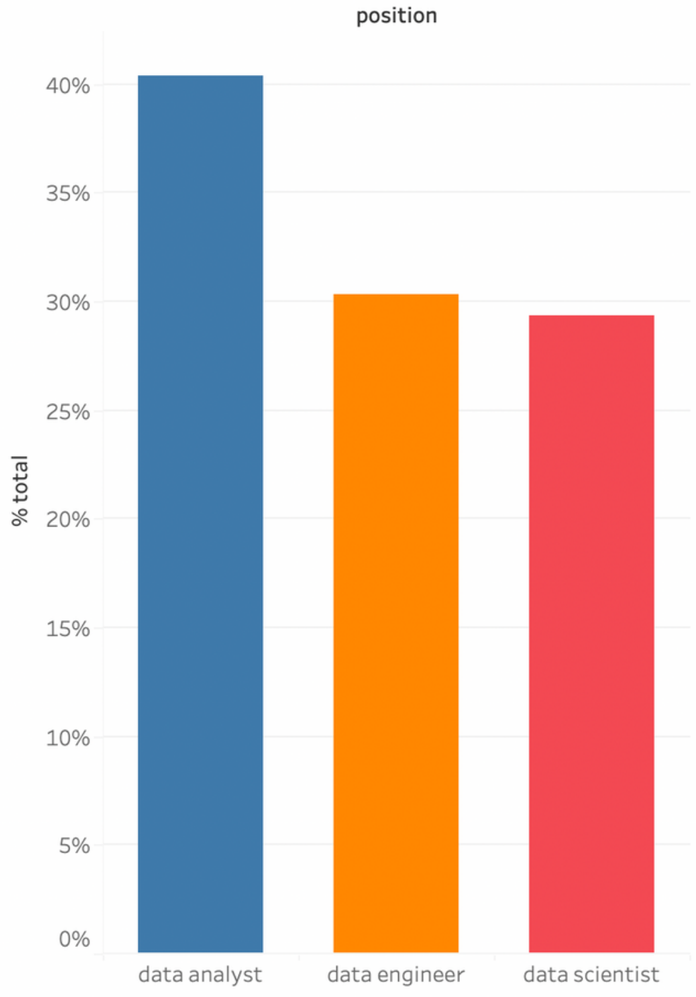
316 jobs scraped from last 2 months in Barcelona

- Selenium
- HTML
- BeautifulSoup

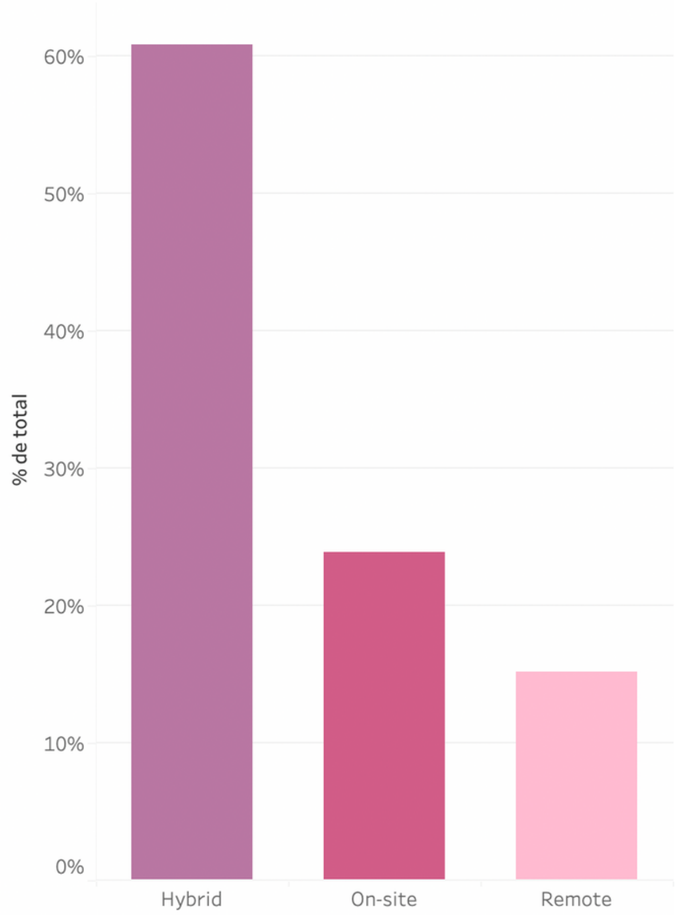
- Data Cleaning
  - Python
  - NLTK
- Data: Title, Company, Location, Modality & Description

Global Analysis (I)

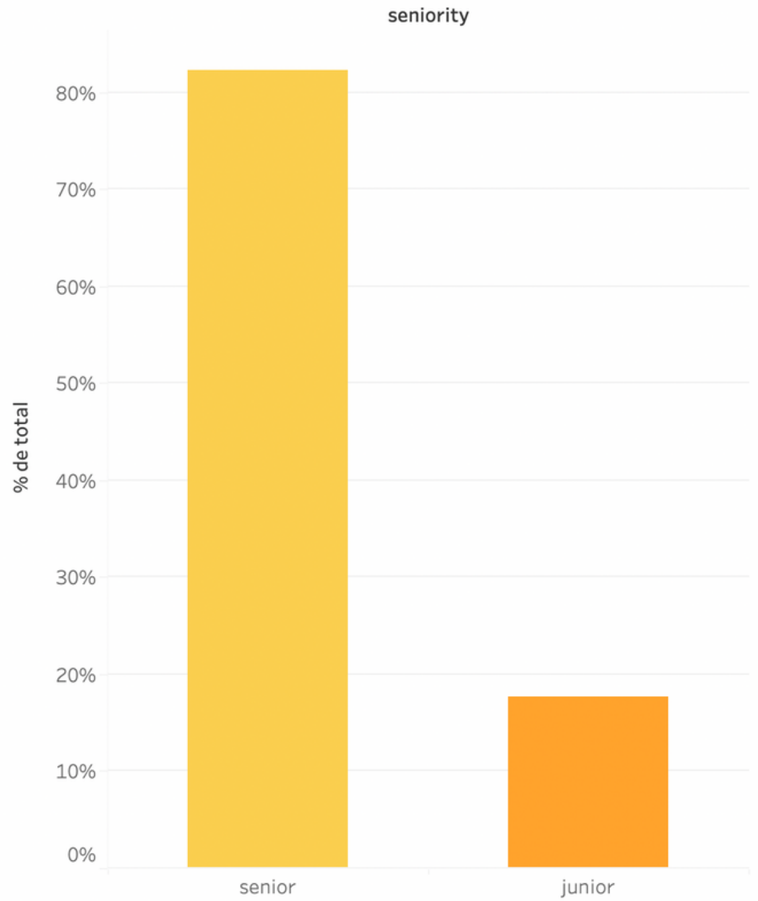
Global Category %



Global x Modality

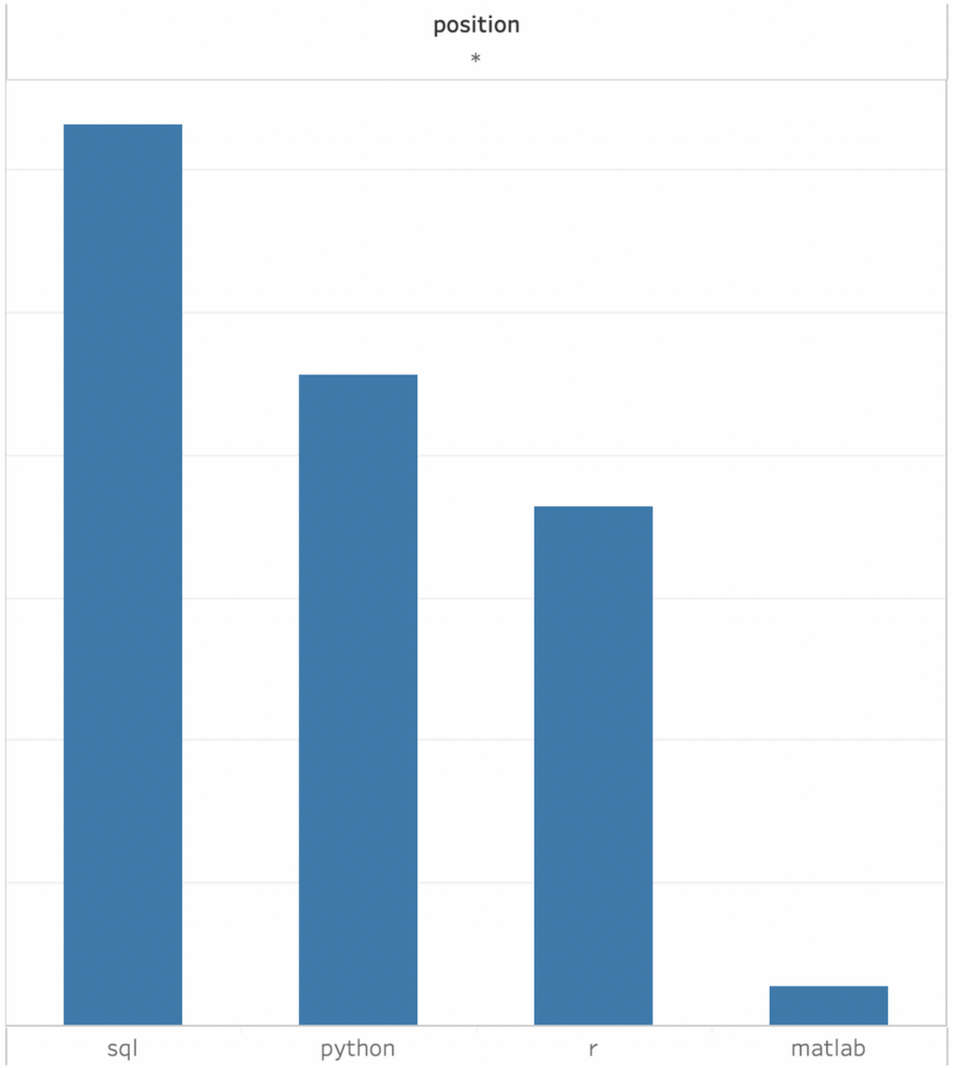


Global x Seniority

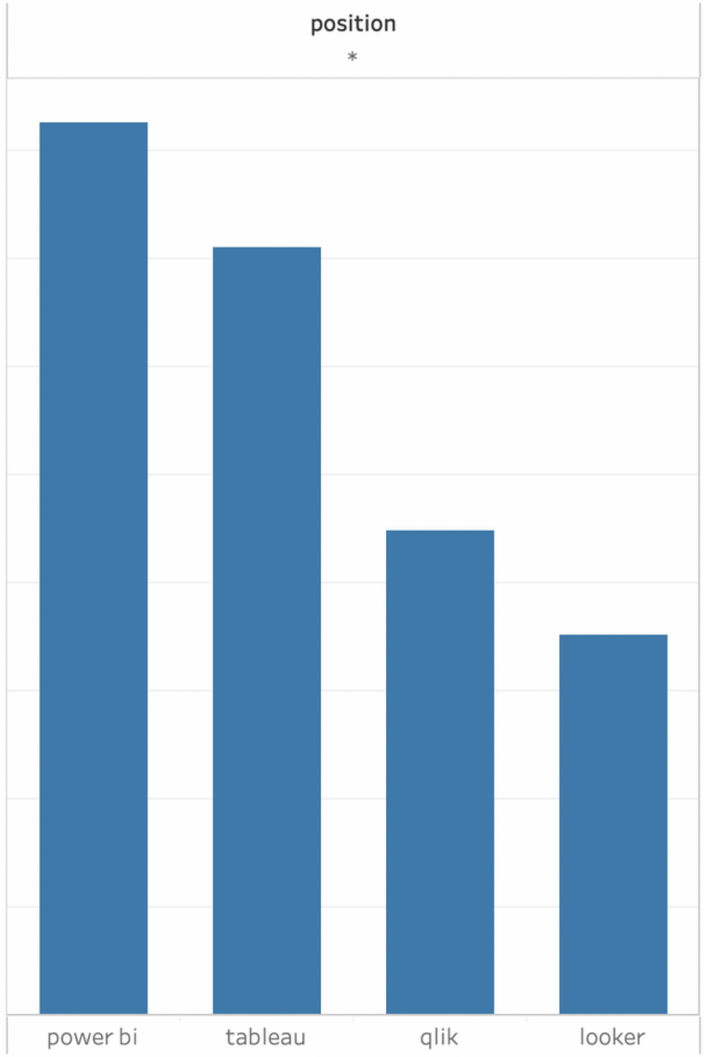


Global Analysis (II) - Tools

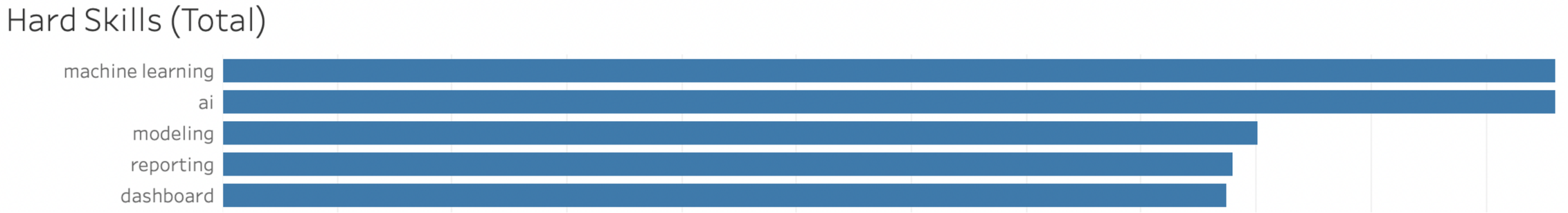
Programming Tools (Total)

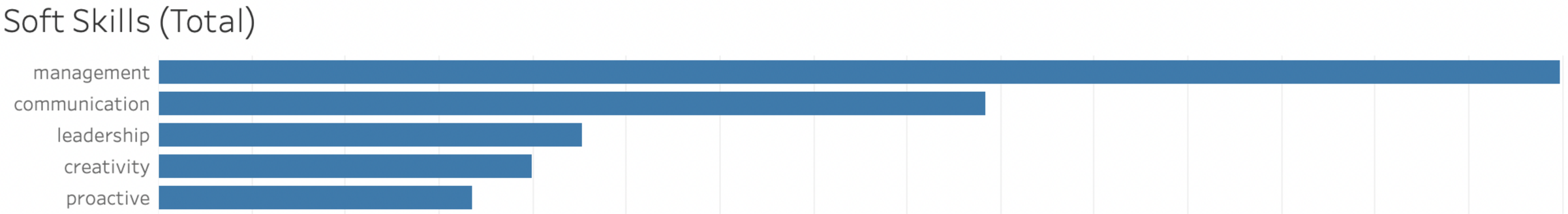


Visualization Tools (Total)

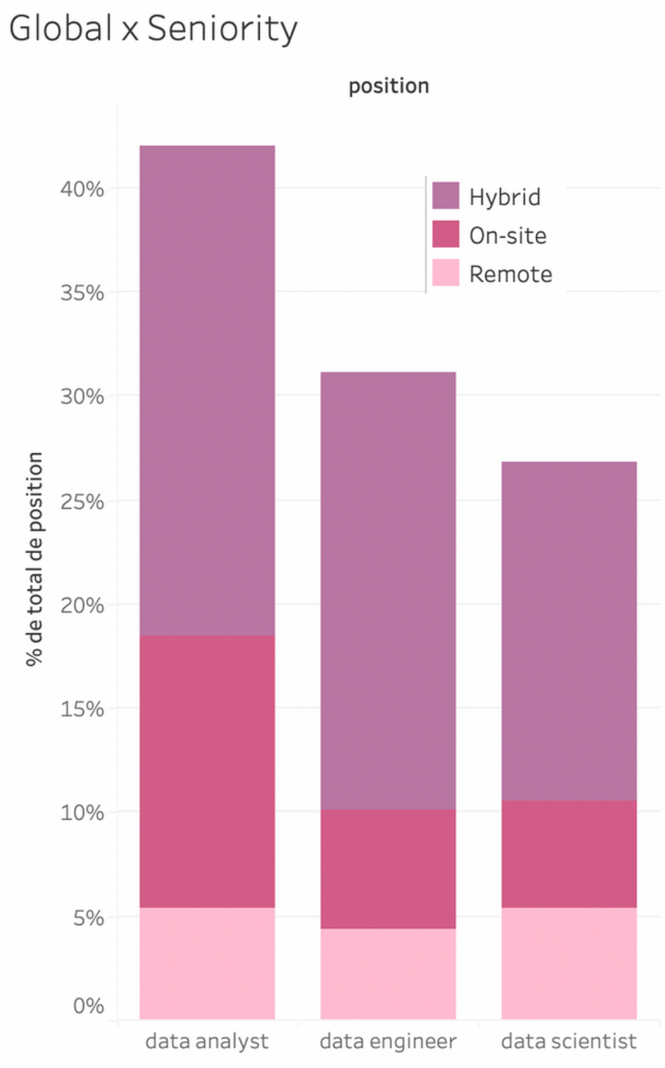


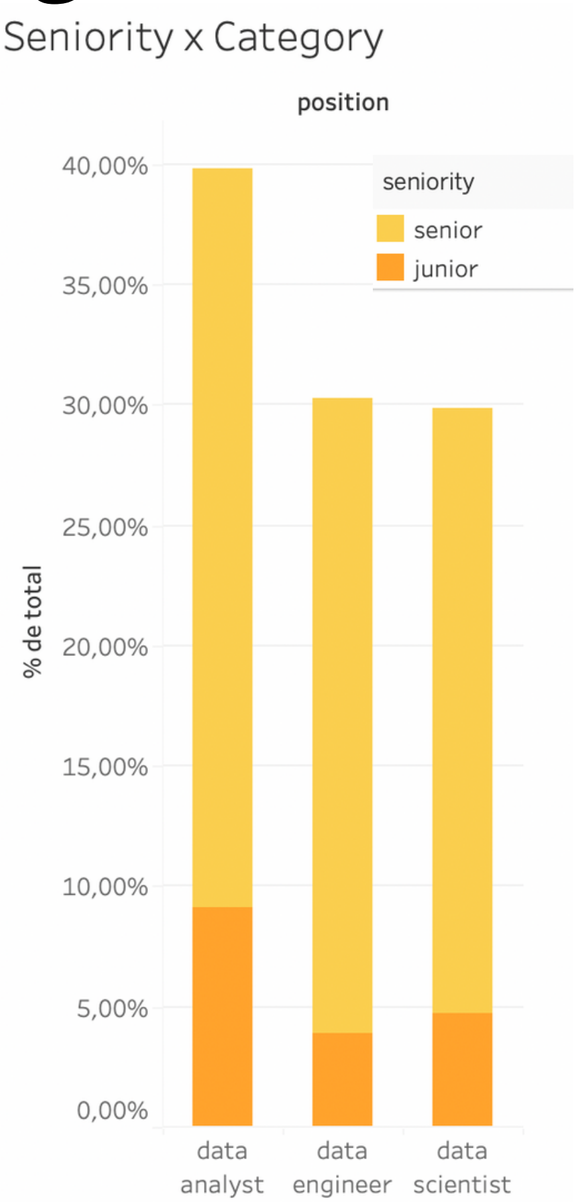
Global Analysis (III) - Hard Skills & Soft Skills (Top 5)





Analysis between Categories (I)

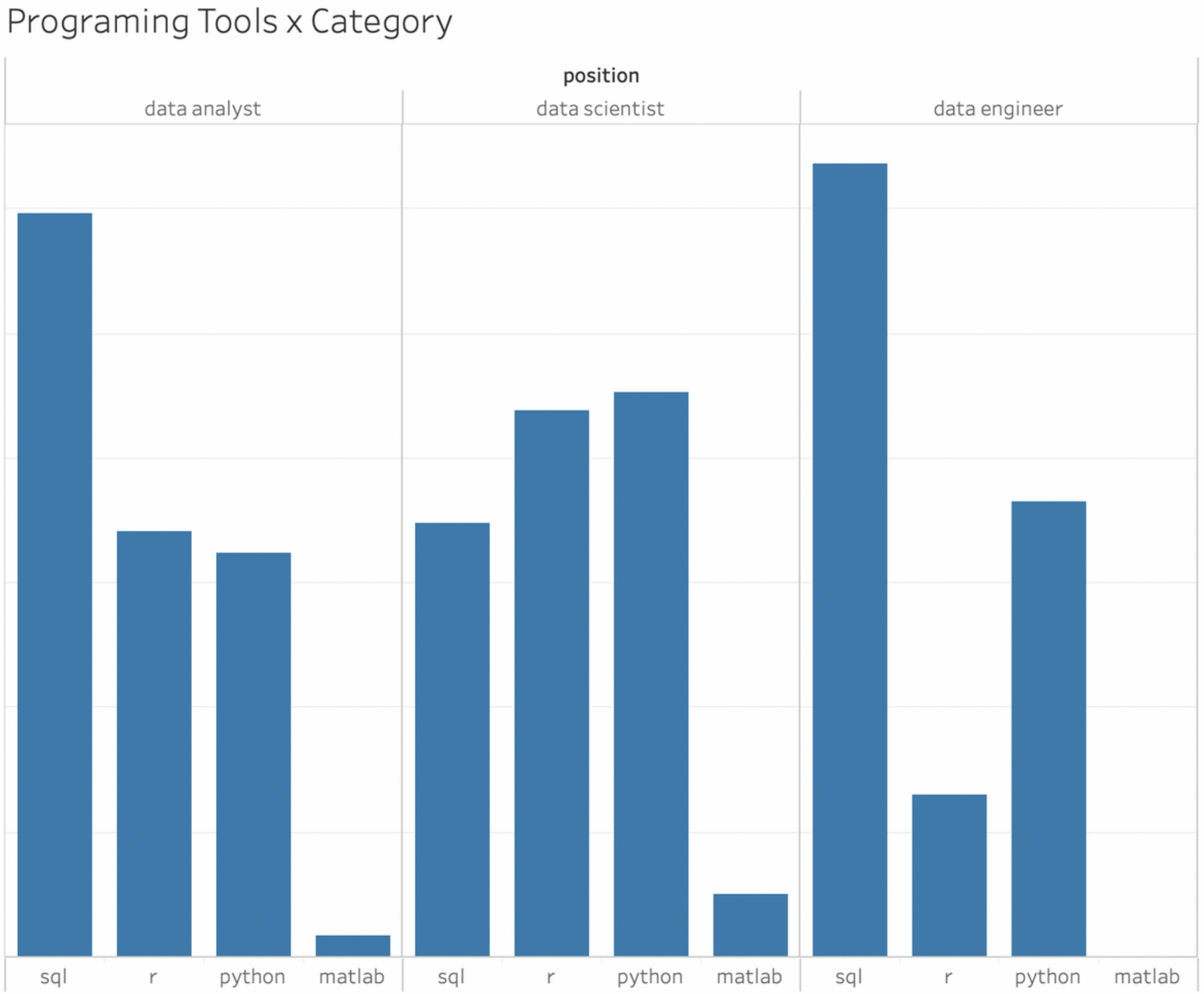




Insights:

- More On-site positions on DA jobs
- A bit more junior positions on DA jobs

Analysis between Categories (II) - Programming Tools

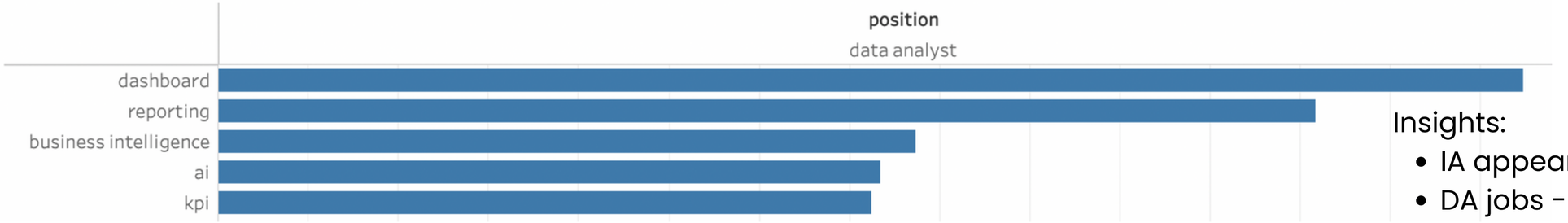


Insights:.

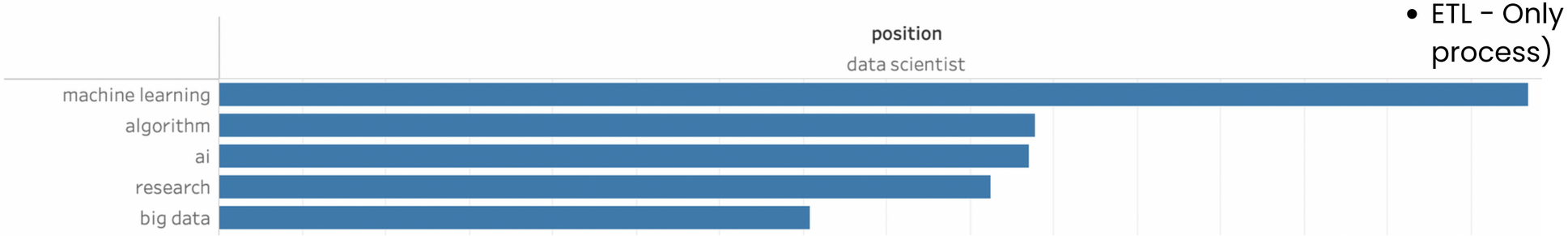
- DA and Engineer ask more SQL than python
- Scientist positions demand more python & r than SQL.
- DA and Scientist jobs - r and python very close
- Engineer jobs - Python > r

Analysis between Categories (III) - Hard Skills

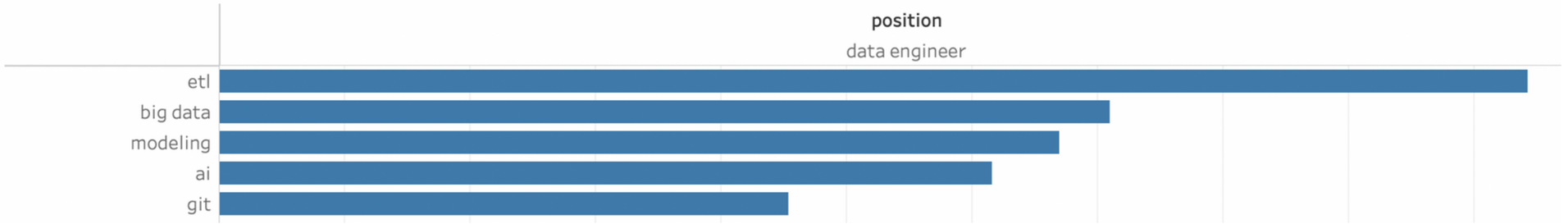
Hard Skills x Analyst



Hard Skills x Scientist



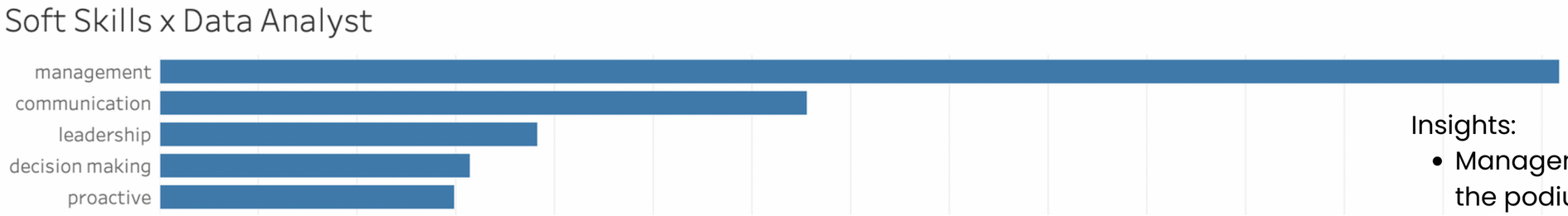
Hard Skills x Engineer



Insights:

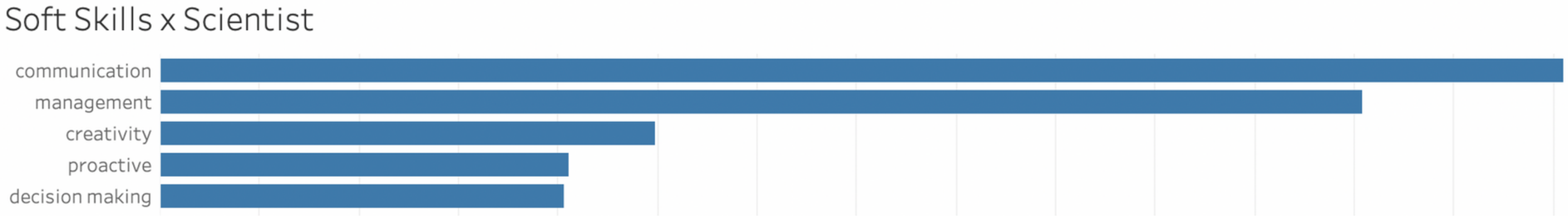
- IA appears in all three categories.
- DA jobs - hard skills related to visualization
- ML - only Scientist jobs
- Big Data - Scientist and Engineer jobs
- ETL - Only Engineer jobs and top 1 (all process)

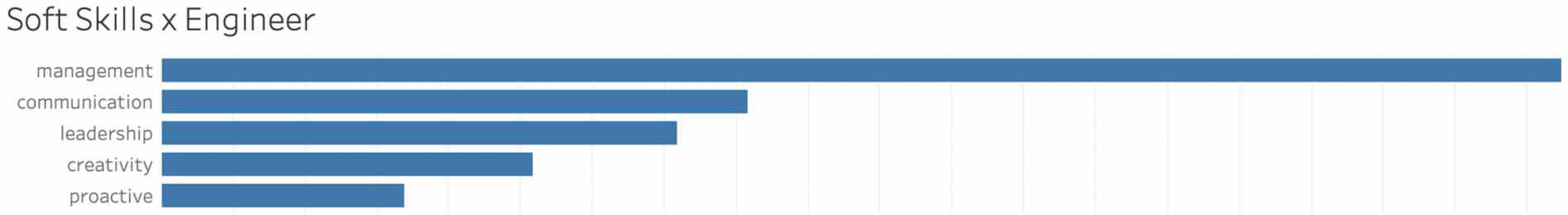
Analysis between Categories (IIII) - Soft Skills



Insights:

- Management, Communication (always in the podium) and Proactive skills are in all three categories
- Leadership appears in DA and Engineer jobs





Recap...If you want to become a Data Analyst

- Although the **hybrid format predominates**. It is the category with the **most on-site positions.** Maybe one of the **reasons** is that it is the category with **more junior positions**
- **SQL** is by far the **most demanded** programming tool. It is **followed**, of course, by **Python and r** (very close to each other)
- **Power BI and Tableau** are requested more or less equally
- **Hard skills** most in demand for Data Analyst jobs are closely related to **visualization (Dashboard & Reporting)**
- Most popular **Soft Skills** for a Data Analyst are Management, Communication, Leadership, Decision Making and Proactivity.
    - *This is why it is so important that if in our background we have been in roles where we have enhanced these skills, we must make them shine in the selection process!!!!*

Next Steps

- Use this project for other fields and locations.
- See differences over time
- Try to introduce the salary, as it could provide incredible insights.
- Use SQL to be able to have the model.

Thank you

from analyst to analyst