

# Data Analyst | Data Scientist

## Who is Who?



Barcelona's Data Labour Market Analysis

By Marc Soler

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Data Analyst?



Data Scientist?!



**210** Data Analyst & Data Scientist job offers from last month in Barcelona:

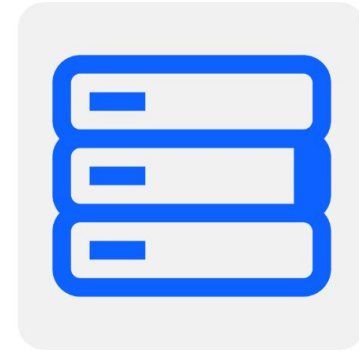
57% Data Analyst  
43% Data Scientist



HTML Websites



Web Scraping



Data



- Title
- Description
- Company
- Industry



- Education Level
- Tools
- Soft Skills
- Hard Skills

#### You Have

- Degree in Engineering, Statistics, Computer Science, Mathematics or Economics.
- Minimum 2 years of experience in business analytics.
- Analytical and problem-solving skills
- Excellent SQL and Python skills.
- Good to have knowledge of visualisation tools like Looker/PowerBI/Tableau...
- Proactive and organized
- Excellent verbal and written English communication skills

#### Nice-to-Haves

- Degree in Engineering, Economics or similar
- 2 years of previous experience in analytics / optimization / automation-related roles
- Strong analytical knowledge and experience with reporting, driving insights, and data-driven optimization
- You are able to act as an owner / lead for large scale and complex data analysis projects that impact global, strategic business roadmaps & operations
- Hands-on: you are willing to get your hands dirty and are looking to bring your ideas to life and find a way to get things done
- You have an amazing attention to detail and a great appetite to learn
- Ability to adapt in an ever-changing environment - balancing intense attention to detail with swift turnaround while working in a collaborative, positive manner



[['degree', 'engineering', 'statistic', 'computer', 'science', 'mathematics', 'economics', 'minimum', '2', 'year', 'experience', 'business', 'analytics', 'analytical', 'problemsolving', 'skill', 'excellent', 'sql', 'python', 'skill', 'good', 'knowledge', 'visualisation', 'tool', 'like', 'looker', 'power', 'bi', 'tableau', 'proactive', 'organized', 'excellent', 'verbal', 'written', 'english', 'communication', 'skill', 'niceto', 'have', 'degree', 'engineering', 'economics', 'similar', '2', 'year', 'previous', 'experience', 'analytics', 'optimization', 'automationrelated', 'role', 'strong', 'analytical', 'knowledge', 'experience', 'reporting', 'driving', 'insight', 'datadriven', 'optimization', 'able', 'act', 'owner', 'lead', 'large', 'scale', 'complex', 'data', 'analysis', 'project', 'impact', 'global', 'strategic', 'business', 'roadmaps', 'operation', 'handson', 'willing', 'get', 'hand', 'dirty', 'looking', 'bring', 'idea', 'life', 'find', 'way', 'get', 'thing', 'done', 'amazing', 'attention', 'detail', 'great', 'appetite', 'learn', 'ability', 'adapt', 'everchanging', 'environment', 'balancing', 'intense', 'attention', 'detail', 'swift', 'turnaround', 'working', 'collaborative', 'positive', 'manner', 'strong', 'organisational', 'skill', 'ability', 'prioritise', 'multitask', 'work', 'well', 'pressure', 'handle', 'multiple', 'issue', 'simultaneously', 'dynamic', 'environment', 'good', 'communication', 'skill', 'able', 'manage', 'various', 'stakeholder', 'know', 'structure', 'information', 'st



Carlos

**Data Analyst**



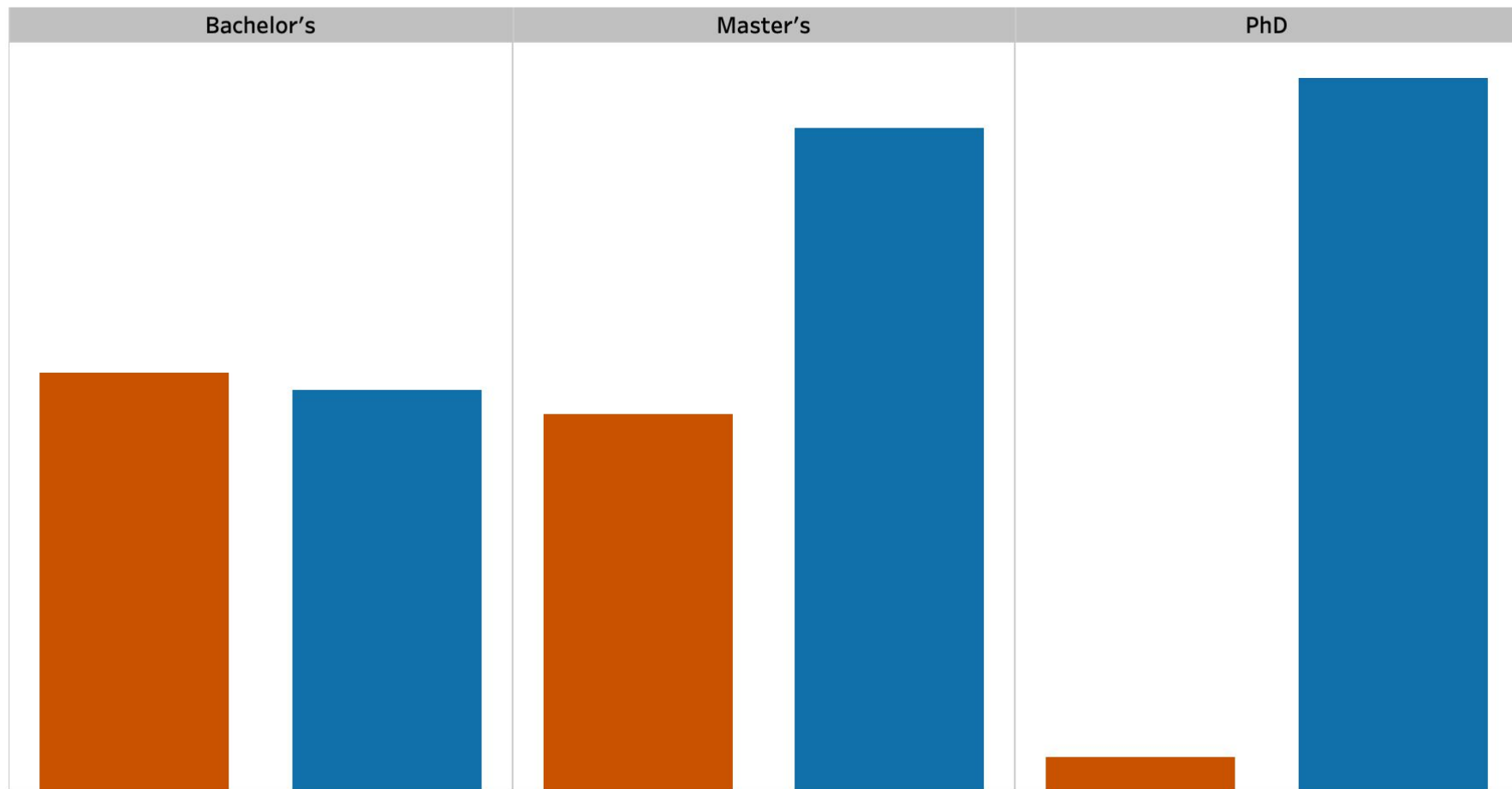
Laura

**Data Scientist**

# Education Level Required

Data Analyst

Data Scientist





Carlos

- Has a **Bachelor's** degree or even a **Master's**

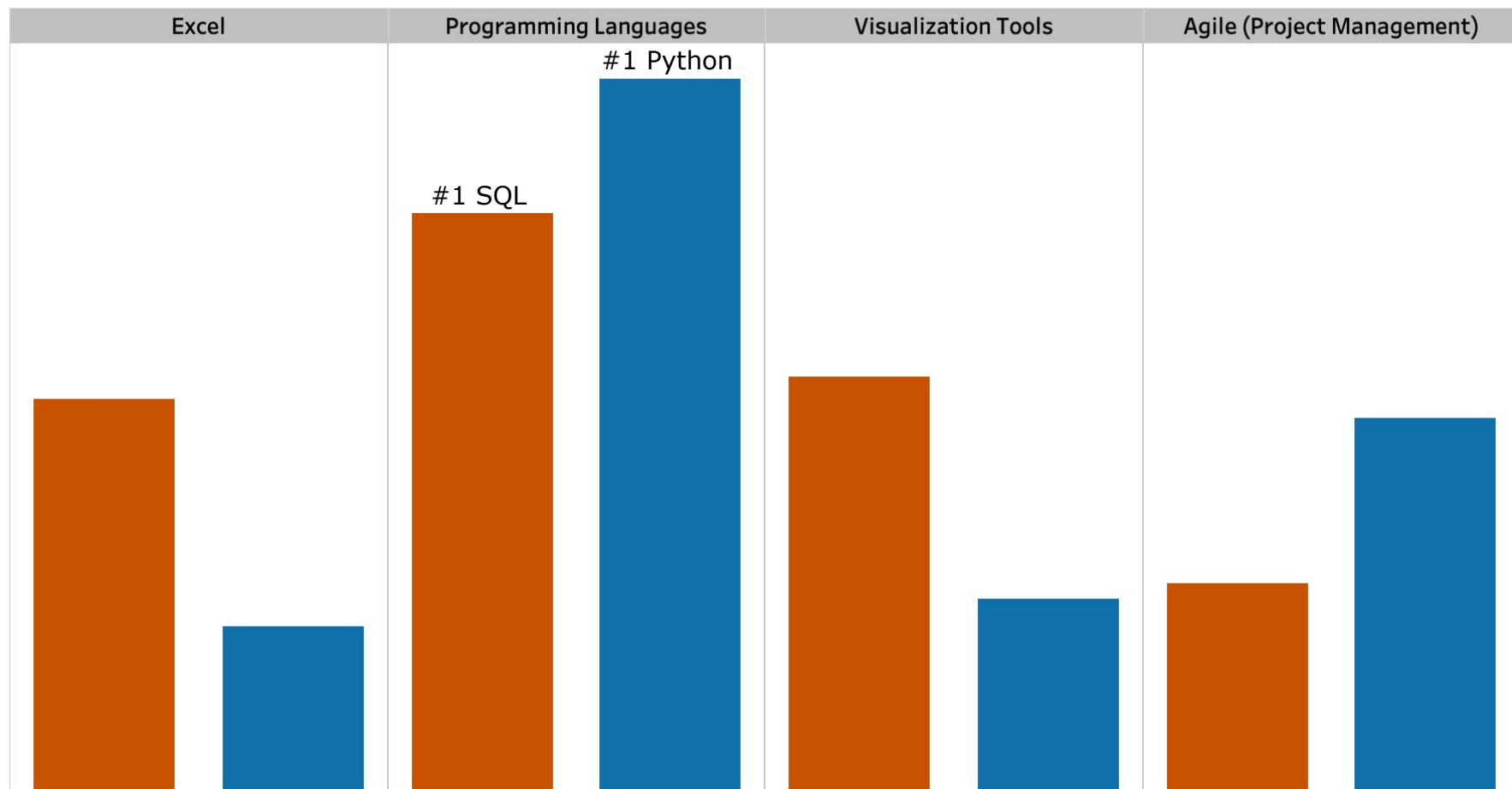


Laura

- Has a **Master's** degree or even a **PhD**

# Tools Demanded

■ Data Analyst  
■ Data Scientist







Carlos

- Has a **Bachelor's** degree or even a **Master's**
- Will be (probably) using lots of **Excel** & **SQL** + **visualization** tools

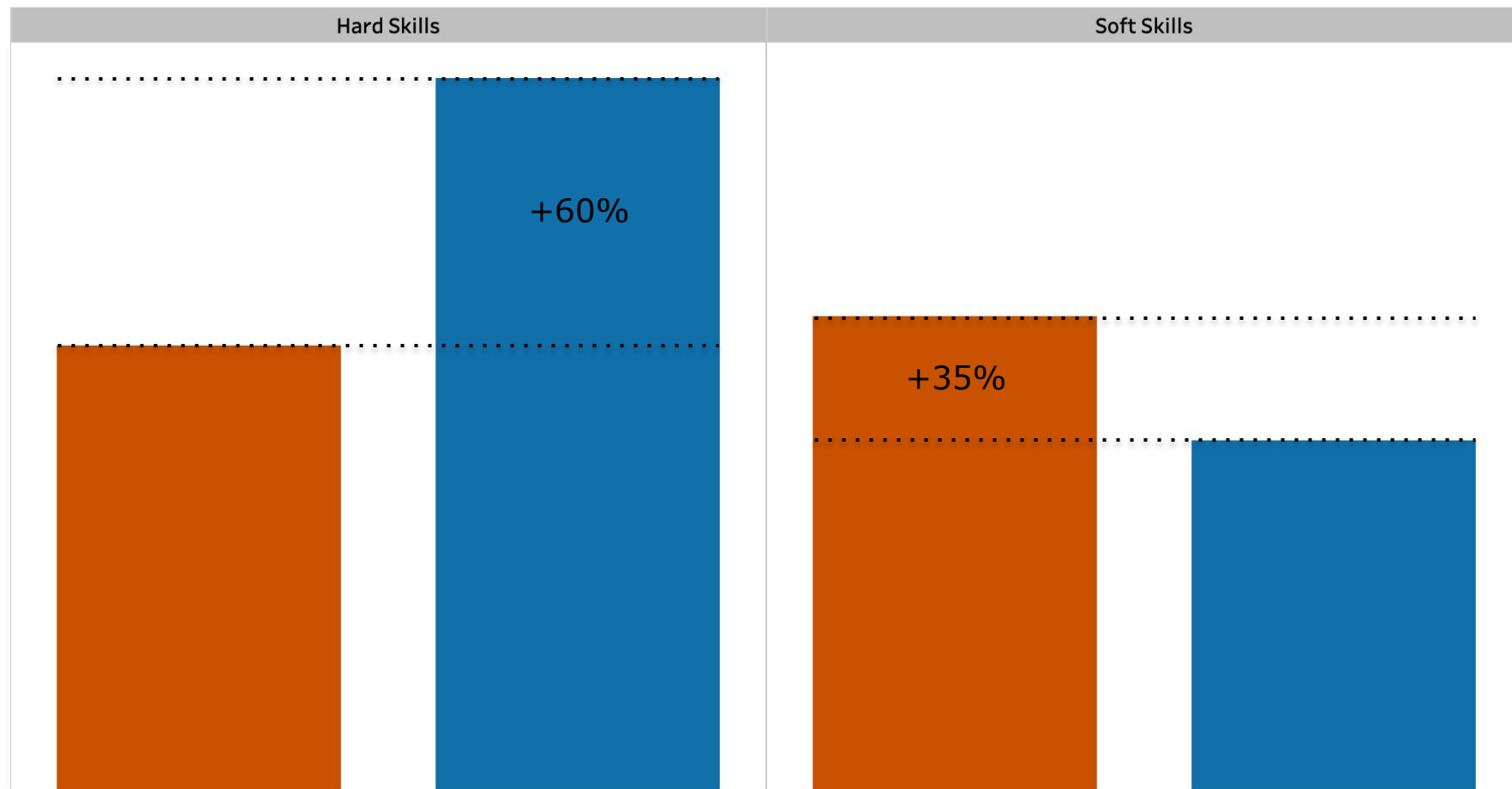


Laura

- Has a **Master's** degree or even a **PhD**
- Will be coding a lot in **Python** or **R** and using **Agile** methodology tools

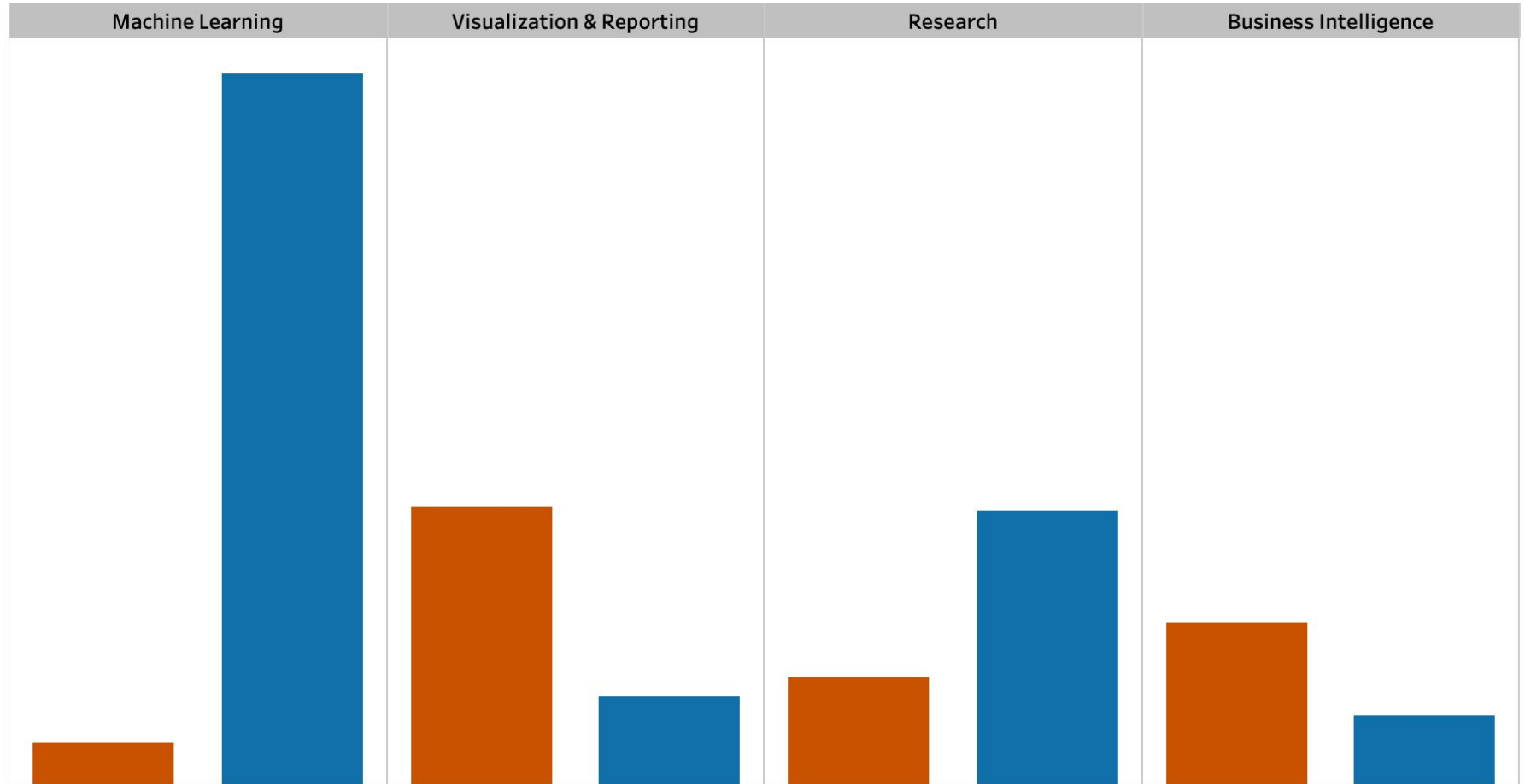
# Total Hard & Soft Skills Keywords

■ Data Analyst  
■ Data Scientist



# Most Demanded Hard Skills

■ Data Analyst  
■ Data Scientist





Carlos

- Has a **Bachelor's** degree or even a **Master's**
- He's (probably) using lots of **Excel** & **SQL** + **visualization** tools
- Spends most of his time doing **reports, visualizations** and **Business Intelligence**

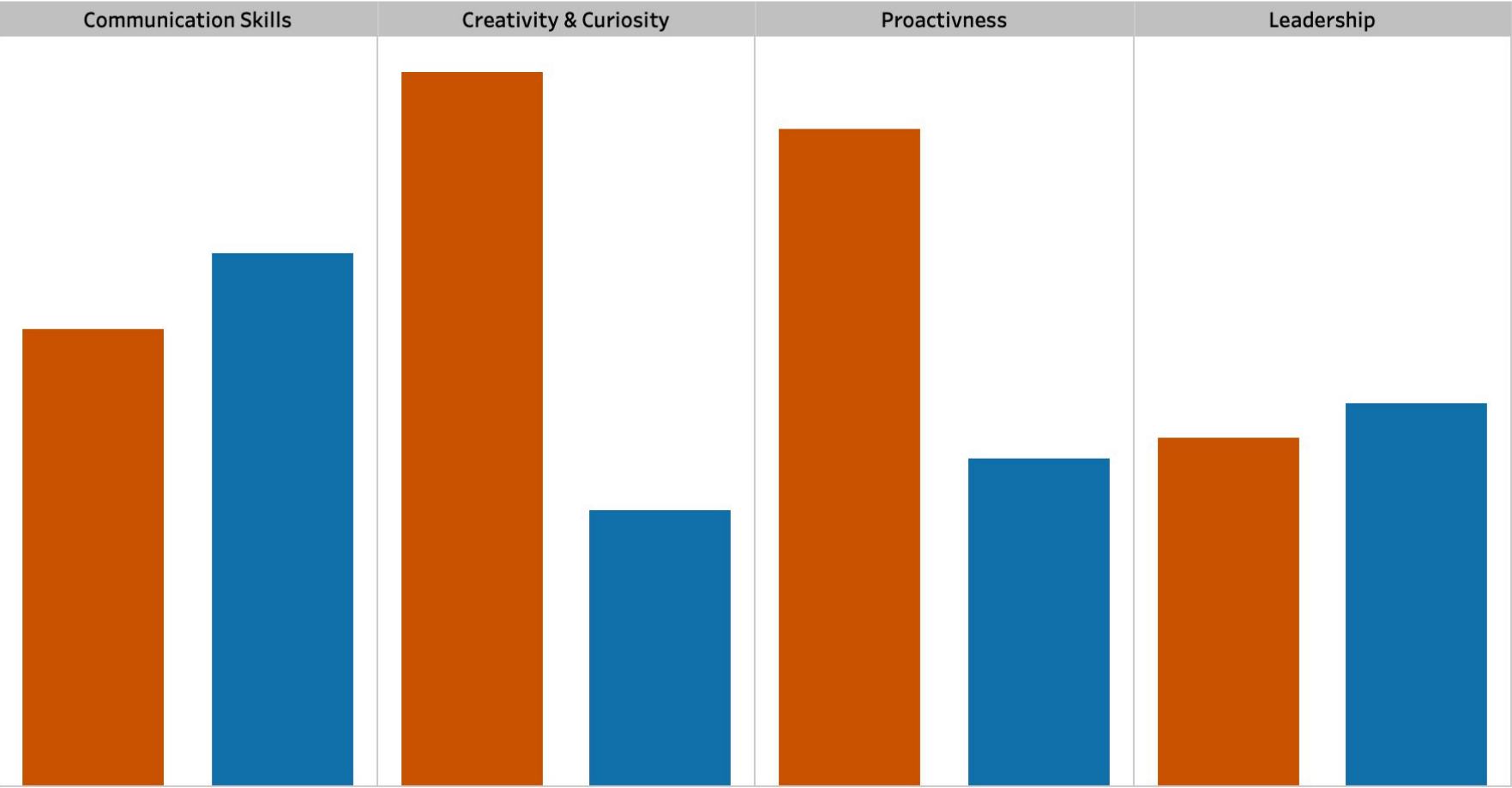


Laura

- Has a **Master's** degree or even a **PhD**
- She codes a lot in **Python** or **R** and uses **Agile** methodology tools
- Great part of her work consists in building **Machine Learning** models & **researching**

# Most Demanded Soft Skills

■ Data Analyst  
■ Data Scientist





Carlos

- Has a **Bachelor's** degree or even a **Master's**
- He's (probably) using lots of **Excel** & **SQL** + **visualization** tools
- Spends most of his time doing **reports, visualizations** and **Business Intelligence**
- Likely to be a good **communicator** and a **creative** & **proactive** person



Laura

- Has a **Master's** degree or even a **PhD**
- She codes a lot in **Python** or **R** and uses **Agile** methodology tools
- Great part of her work consists in building **Machine Learning** models & **researching**
- Laura is an excellent **communicator** and a **leader** to her team

# In conclusion...

- Keyword analysis + Job postings Web Scraping can be a powerful tool
- Apart from the education level required, both roles are not so different. Therefore...
- Apply to every data position, especially if it's a Junior one!

