



What it Takes to Land a Data Job in Spain

A 7,000-Job  Study

Why Analyze the Data Job Market?



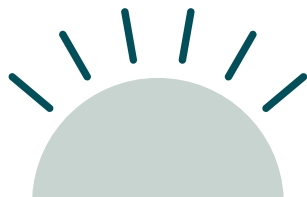
Market

To better understand what the market is actually asking for



Clarity

Clarify which roles, skills, and companies dominate



2025



Growth

Learn-by-doing: from scraping to dashboarding



Focus

Make smarter choices in career direction (not just going with the trend)

From Data to Dashboard: My Workflow

Scraping

Gathered 7,000+ LinkedIn job posts using Selenium



Cleaning and Wrangling

Tidied messy data, grouped roles, normalized skills



SQL Database

Structured data using relational schema



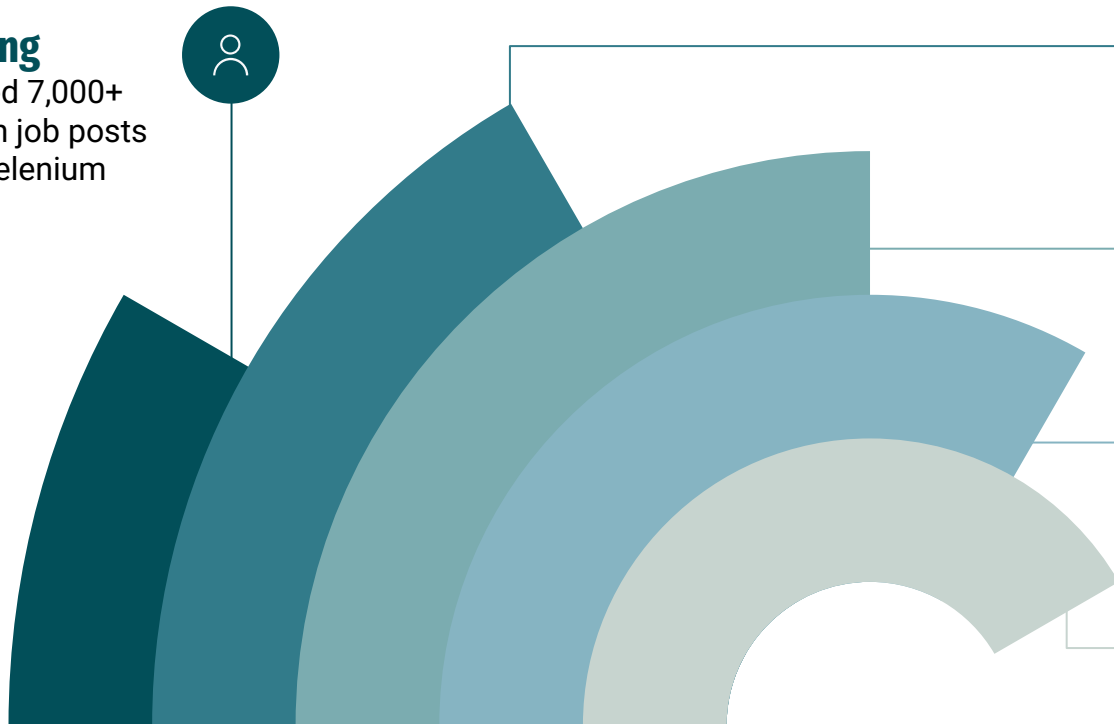
EDA & Viz

Understood my data well for more meaningful visuals



Dashboards

Built 3 focused dashboards for insights



From Web to Table: Scraping & Cleaning

SELENIUM

Python tool that lets you control a browser automatically to extract job listings

WRANGLING

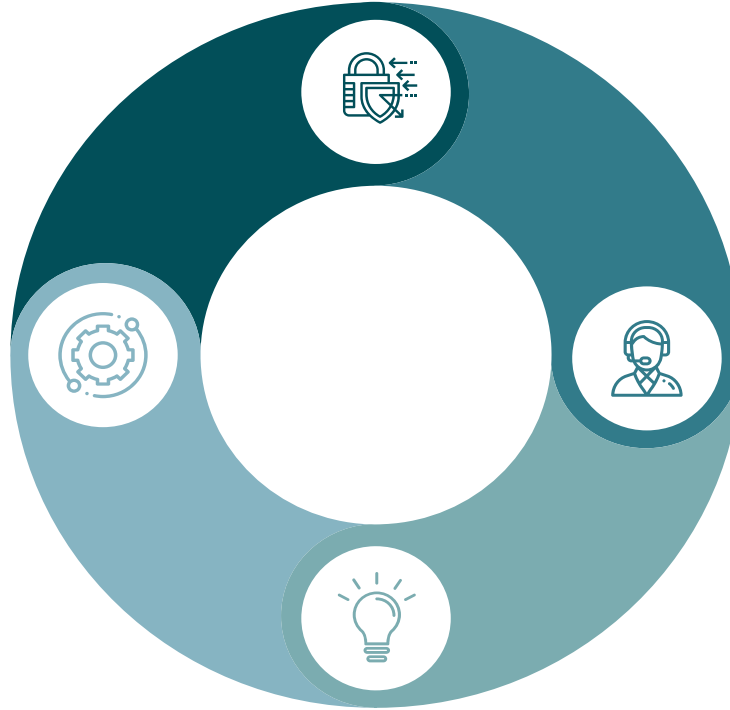
Transforming and structuring the multiple datasets to make the data usable

OCTOPARSE

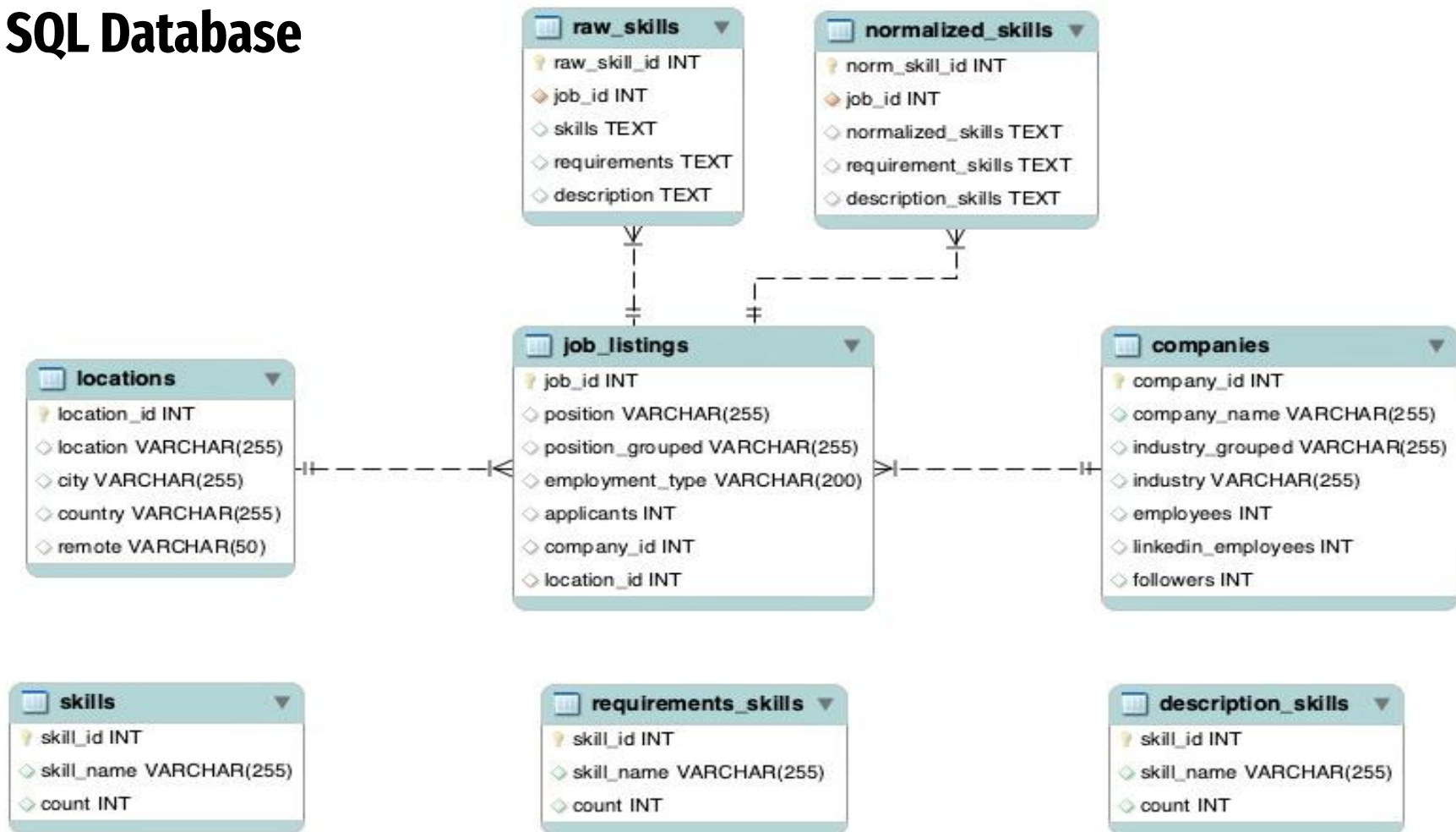
No-code web scraping tool to turn pages into structured data

CLEANING

All the usual, plus normalizing blobs of text (keyword-based grouping, multilingual support, comprehensive sill mapping,...)



SQL Database



EDA: Laying the Groundwork



EDA to Understand the Data

Jobs & Companies:

Most frequent job titles and top hiring companies

Locations:

High demand cities and regions

Employment Types:

Distribution across remote, full-time, contract,...

Applicants:

Examined interest level per role

Skills:

Raw & normalized in descriptions and requirements

Data Positions Overview

Record Count

6,965

position_grouped

Data Analyst

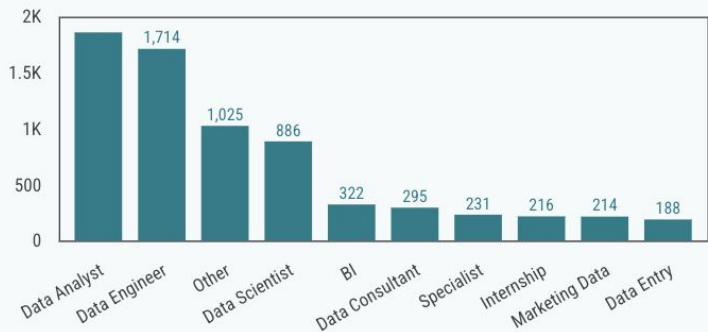
applicants

63

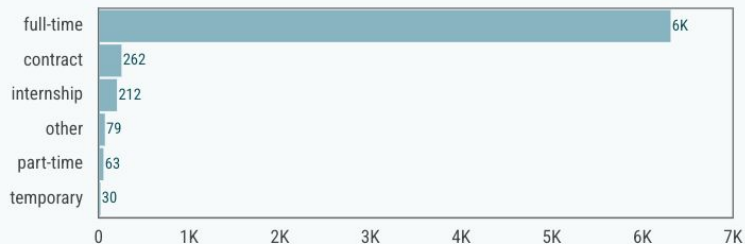
Remote Job %

57%

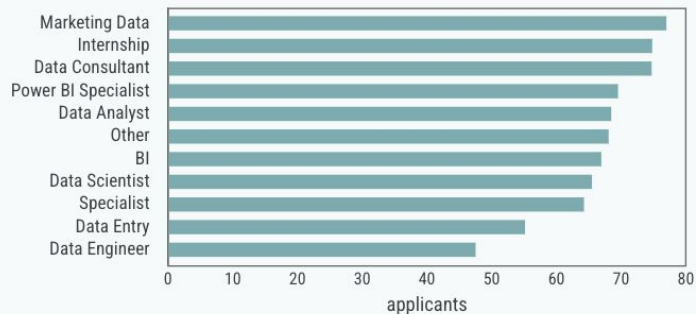
What are the most popular jobs?



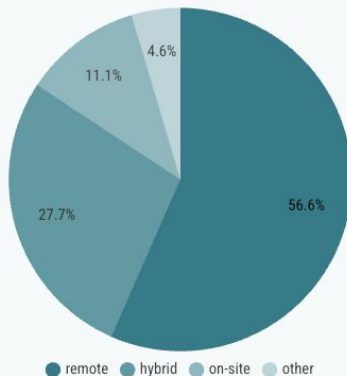
Which types of contracts are offered?



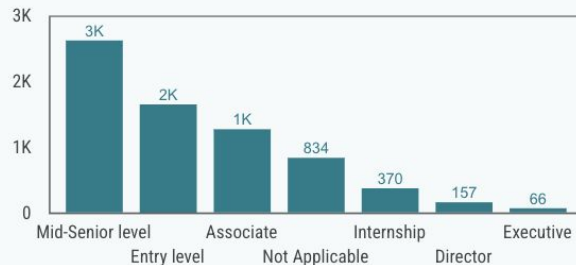
Average Applicants per role



Remote vs On-site



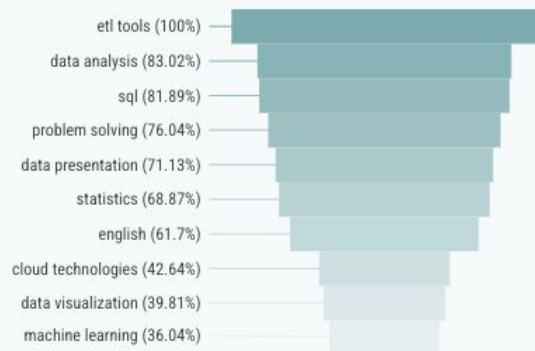
Seniority Breakdown



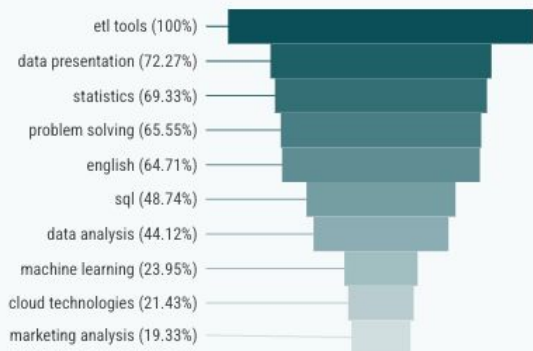


46 Identified Data Skills

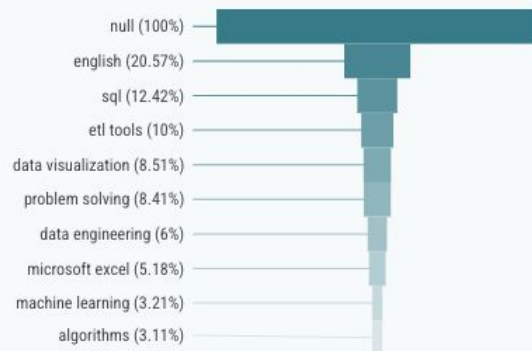
Skills extracted from Job Skills



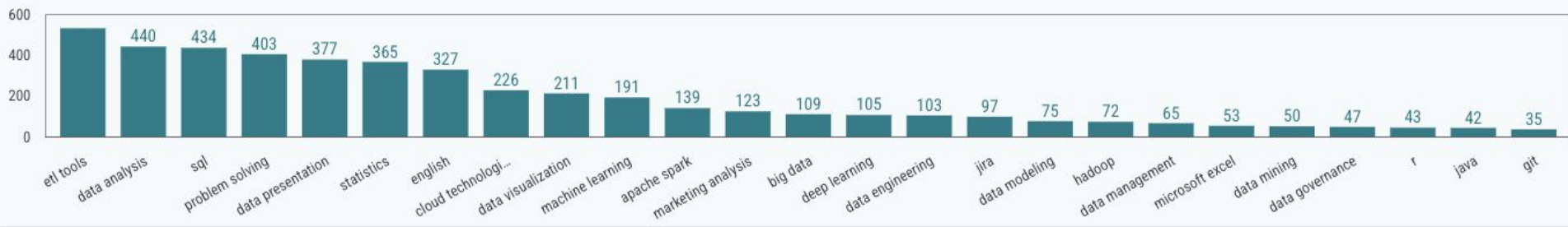
Skills extracted from Job Requirements



Skills extracted from Job Description



What are the most popular skills?



Companies offering Data Positions

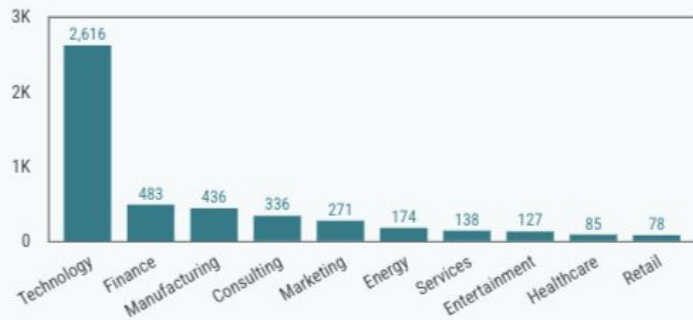
company
1,173

sector_grouped
28

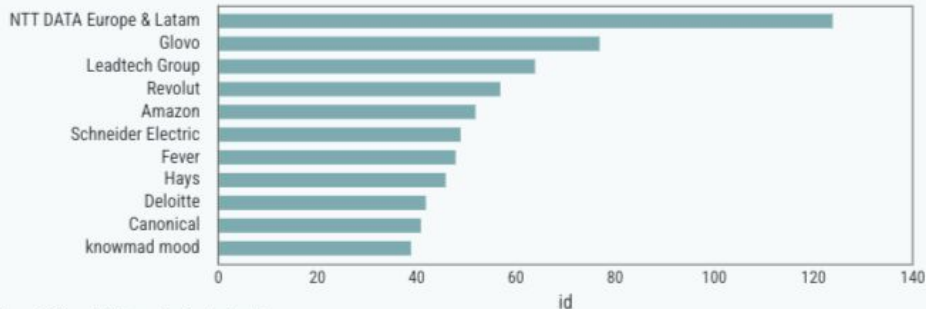
employees
3,681

Positions per Co
4.46

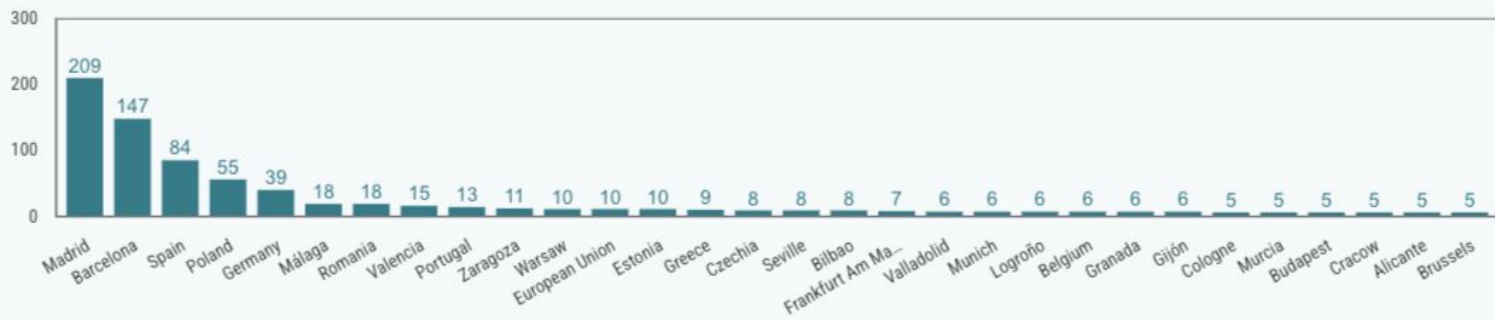
What are the most popular sectors?



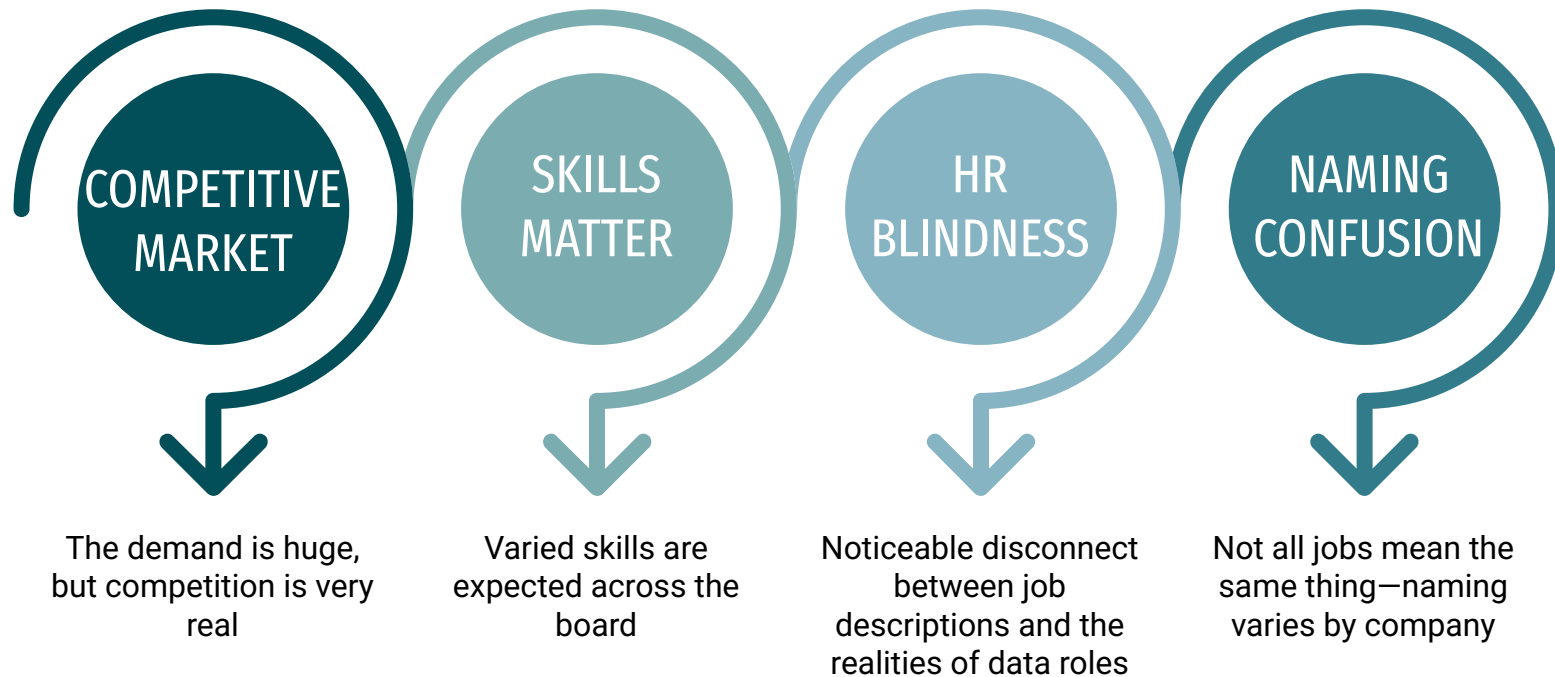
Companies with the most job posts



Top cities hiring data talent



What I Learned



Thank you!



Any Questions?

