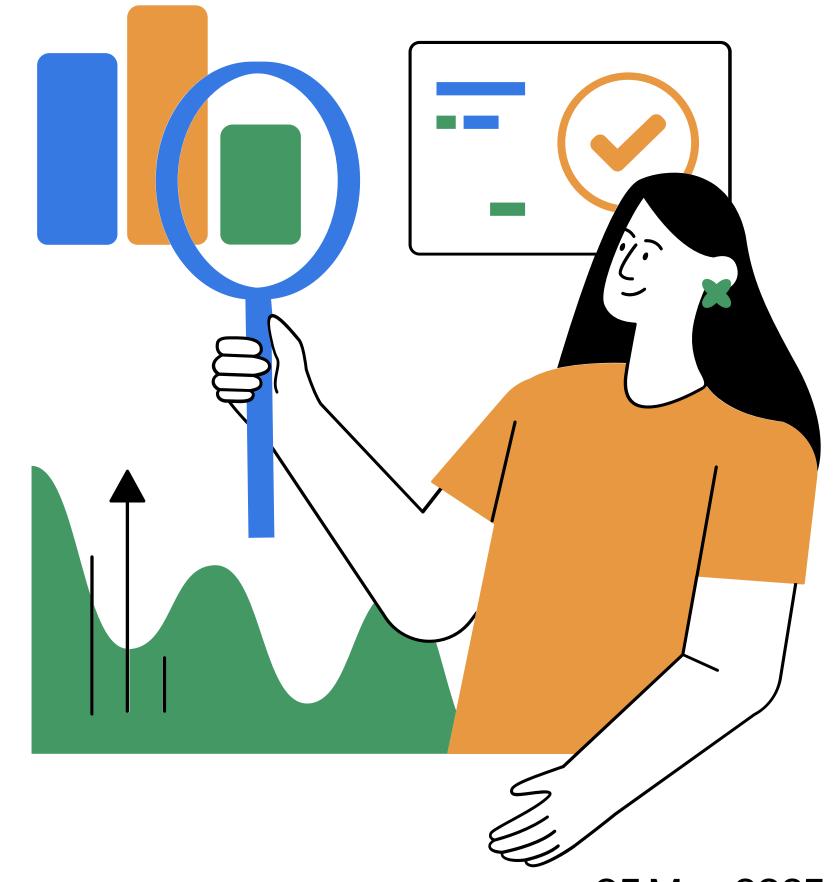
Stepstone Job Market Analysis



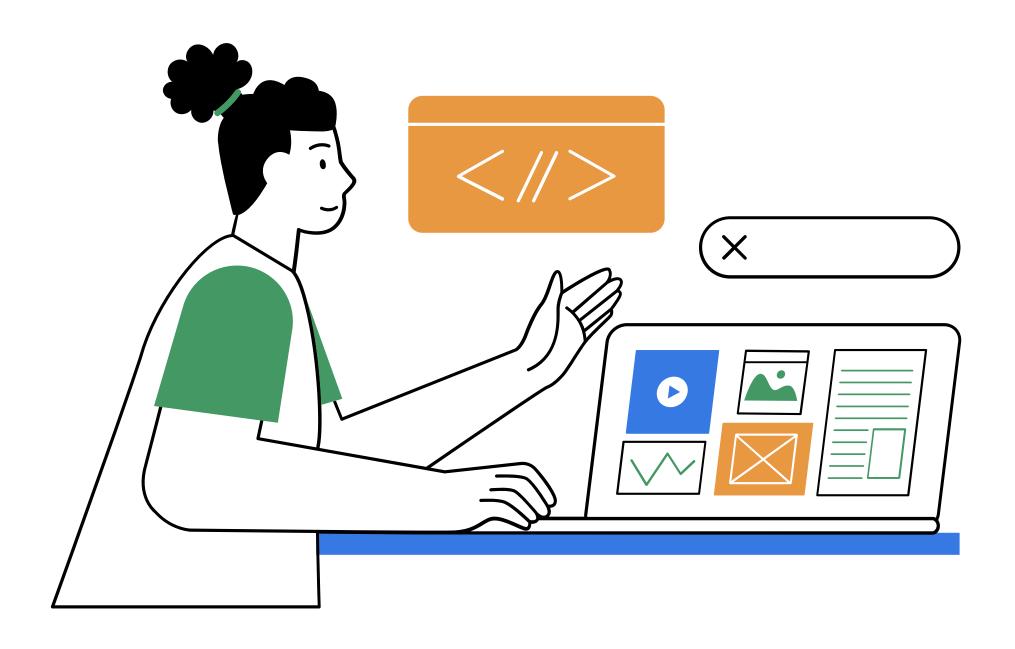


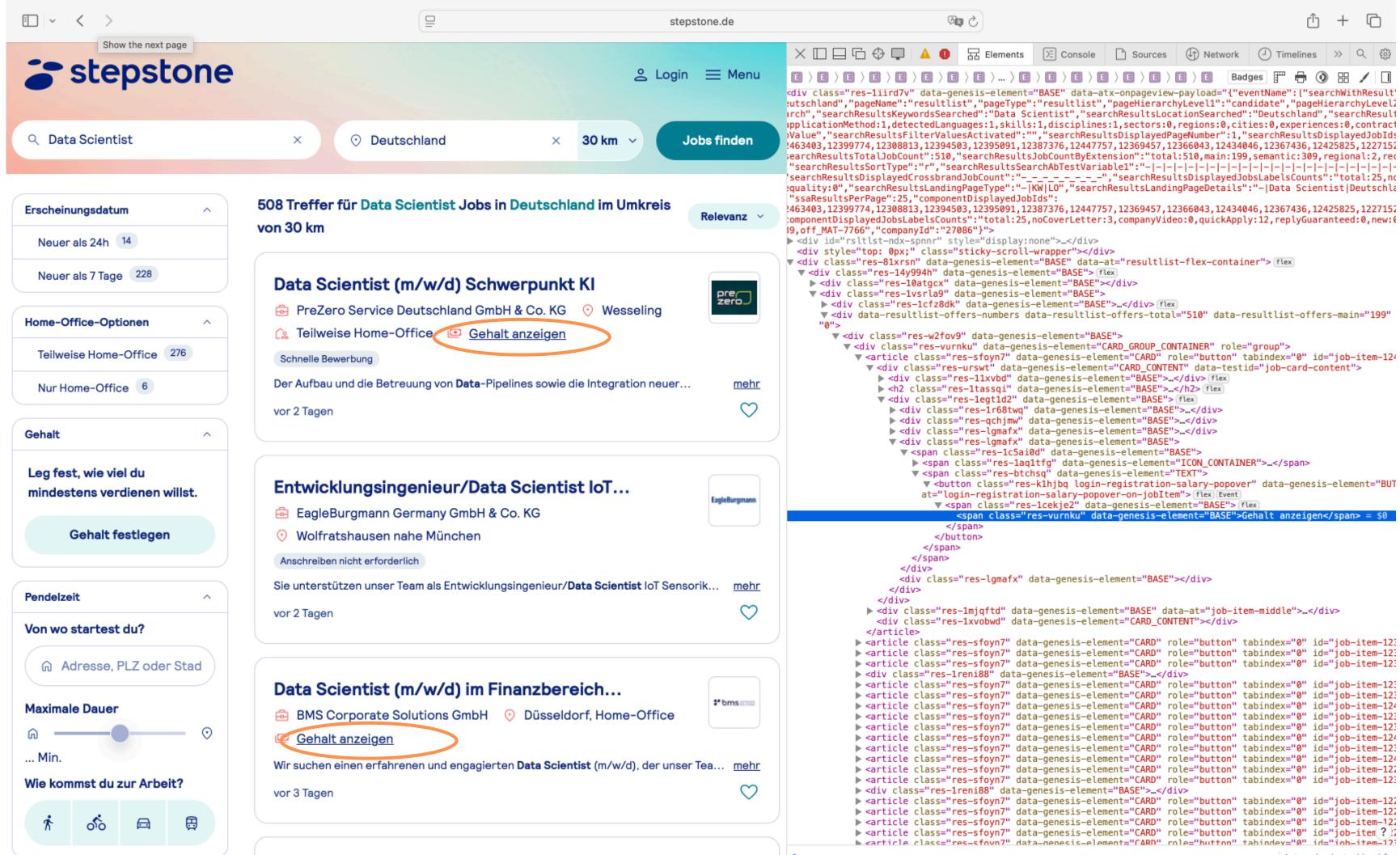
The goal of the project

is to analyze the job market for the positions of Data Professionals in Germany and to identify differences in salaries based on city and qualification.

Step 1

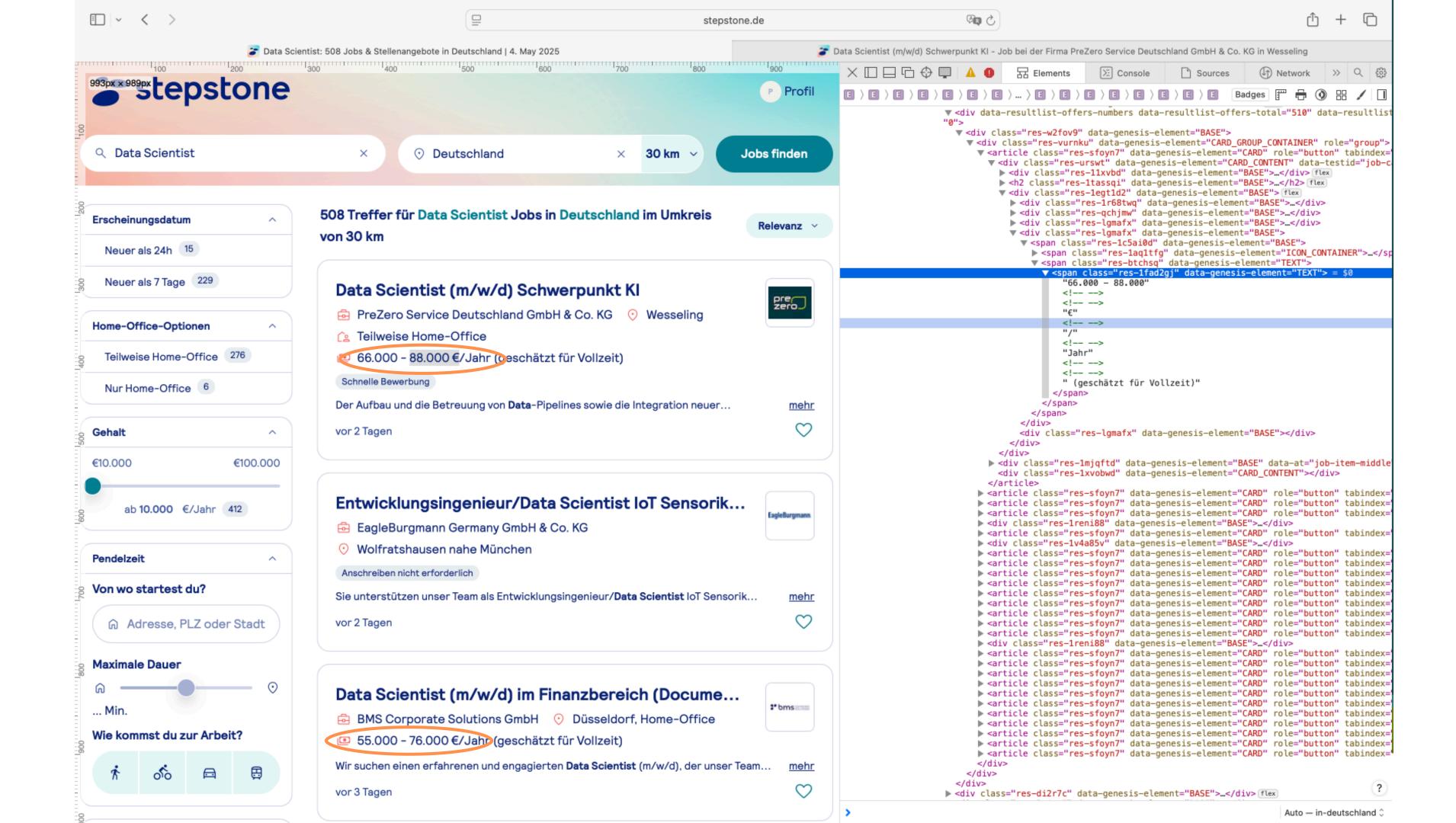
Web Scraping





Data Scientist (m/w/d)

Auto — in-deutschland 🗘

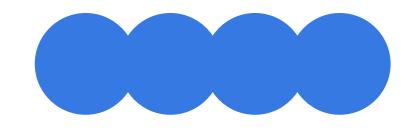


Total base: 10665 rows

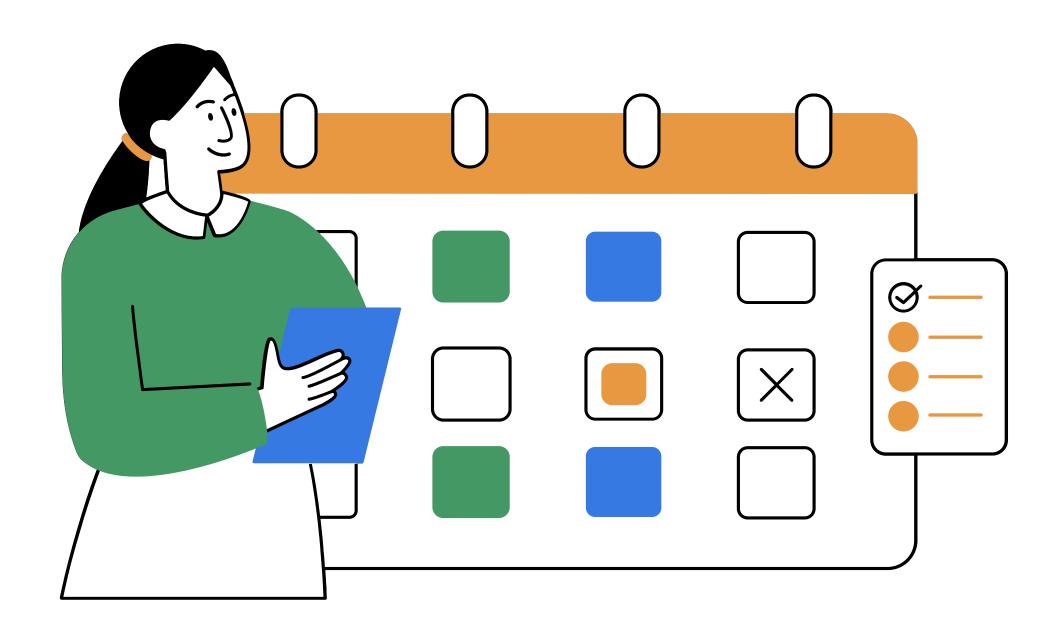
1	id	company	company	city	salary_min	salary_max	days_posted
2	12463614	Data Analyst Sales (m/w/d)	BusinessBike GmbH	Herzogenaurach	49000	68000	
3	12433847	Operations Analyst / Business Analyst - Planning & Operations / Data Analyst Capacity Management / Demand & Capacity Analyst	DOT GmbH	Rostock	39000	62000	
4	12442527	Aktuar / Mathematiker / Data Analyst (m/w/d) für das Pricing Sach-, Haftpflicht und Unfallversicherung	RheinLand Versicherungs AG	Neuss	65000	95000	4
5	12447989	Data Analyst - Integration von Datenbanken (m/w/d)	EOS Holding	Hamburg	53000	73000	4
6	12449934	Referent / Data Analyst technisches Reinsurance-Accounting (m/w/d)	Allianz Versicherungs-AG	Unterföhring bei München	53000	91000	4
7	12464003	Data Analyst*in	Landeshauptstadt Düsseldorf	Düsseldorf	53000	71000	
8	12457058	Datenanalyst / Data Analyst - Business Intelligence (m/w/d)	Best4Tires GmbH	Höhr-Grenzhausen (bei Koblenz)			
9	12424720	Data Analyst / Controller (m/w/d)	Nutwork Handelsgesellschaft mbH	Hamburg	46000	68000	7
10	12394951	Data Analyst - HR (w/m/d) ip Vollzeit oder Teilzeit	Personalwerk GmbH	Karben	50000	60000	1
11	12395764	Data Analyst (m/w/d) Mobilfunk	CHECK24	Köln	54000	73000	1
12	12348990	Analytics Engineer/ Data Analyst (m/w/d)	beegy GmbH	Mannheim	46500	77100	7
13	12390272	Data Analyst (m/w/d)	Basics GmbH	Leverkusen	44000	61000	2
14	12455928	Data Analyst (w/m/d) Datenmanagement & Data Governance	Bw Bekleidungsmanagement GmbH	Köln	65000	75000	2
15	12382690	Data Analyst (m/w/d)	Ströer Media Solutions GmbH	Hamburg, Köln, München	45000	65000	3
16	12450124	Data Analyst Sales & Service Potentials (all genders)	BNP Paribas S.A.	München	61000	84000	3
17	12450121	Data Analyst (m w d)	PwC Strategy& (Germany) GmbH	Düsseldorf, Frabkfurt a.M.			3
18	12445223	Business Data Analyst (m/w/d)	ecotel communication ag	Düsseldorf	63000	84000	4
19	12445899	Working Student Data Analyst - Corporate Audit (m/f/d)	TRATON SE	München			4
20	12445018	Financial Data Analyst (m/w/d) - Compliance	IDS GmbH - Analysis and Reporting Services	München	57000	78000	3
21	12445419	Business Process Data Analyst (m/w/d)*	Schleswig-Holstein Netz GmbH	Rendsburg, Quickborn bei Hamburg			5
22	12286660	Data Analyst Al-Verhandlungen (w/m/d)	Otto GmbH & Co. KGaA	Hamburg			6
23	12370689	Data Analyst/ Product Owner Reporting (m/w/d)	Rote Liste Service GmbH	Frankfurt am Main	41000	66000	6
24	12382205	Praktikum Business Data Analyst Controlling	Lidl Stiftung & Co. KG	Neckarsulm			3
25	12365291	Data Analyst (m/w/d) Human Resources	Creditplus Bank AG	Stuttgart	53000	73000	7
26	12432420	Data Analyst mit Schwerpunkt Geodaten (w/m/d) im Referat "monetäre Umweltökonomische Gesamtrechnungen, Nachhaltigkeitsl	Statistisches Bundesamt	Bonn	4629	6635	7
27	12426514	Qualitätsingenieur / Data-Analyst (w/m/d)	llsenburger Grobblech GmbH	Ilsenburg	41000	70000	7
28	12355140	Controller/Data Analyst (m/w/d)	true fruits GmbH	Bonn	44000	67000	7
29	12362041	Business und Data Analyst (m/w/d)	B&O Service AG	D, wunchen	49000	78000	7
30	12366043	Industry Analyst / Data Scientist - Market Growth & Financial Modelling	Adobe Systems Europe Limited	Munich, Bavaria, Germany, Remote, Germany	38000	72000	7
31	12382331	IT Data Analyst Palantir Foundry (w/m/d)	Netze BW GmbH	ttgart.Karlsruhe	59000	80000	3
32	12438080	HR Data Analyst (m/w/d)	WERTGARANTIE Group	Hannover	53000	73000	7
Text	Unterföhr	ring bei München					

Text Unterföhring bei München

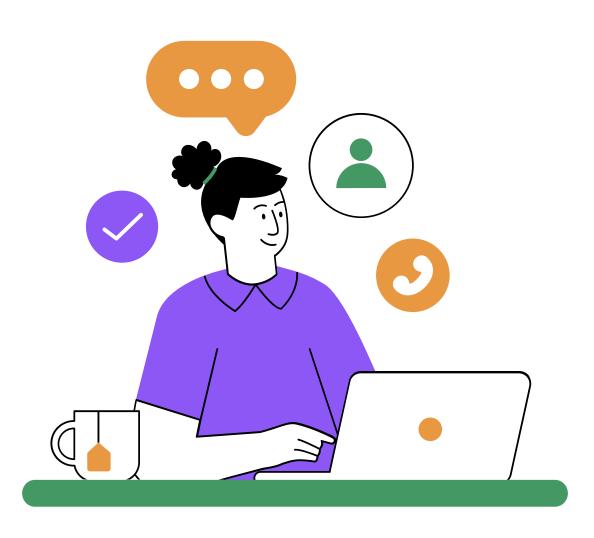
Step 2



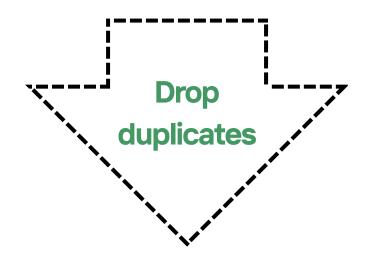
Data Analysis Process



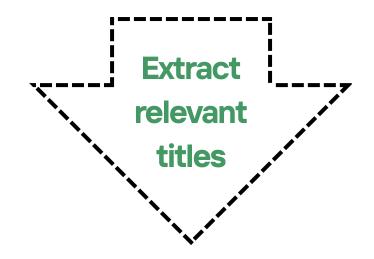
Data Cleaning



10665 rows



7980 rows



Data scientist

Data analyst

Data engineer

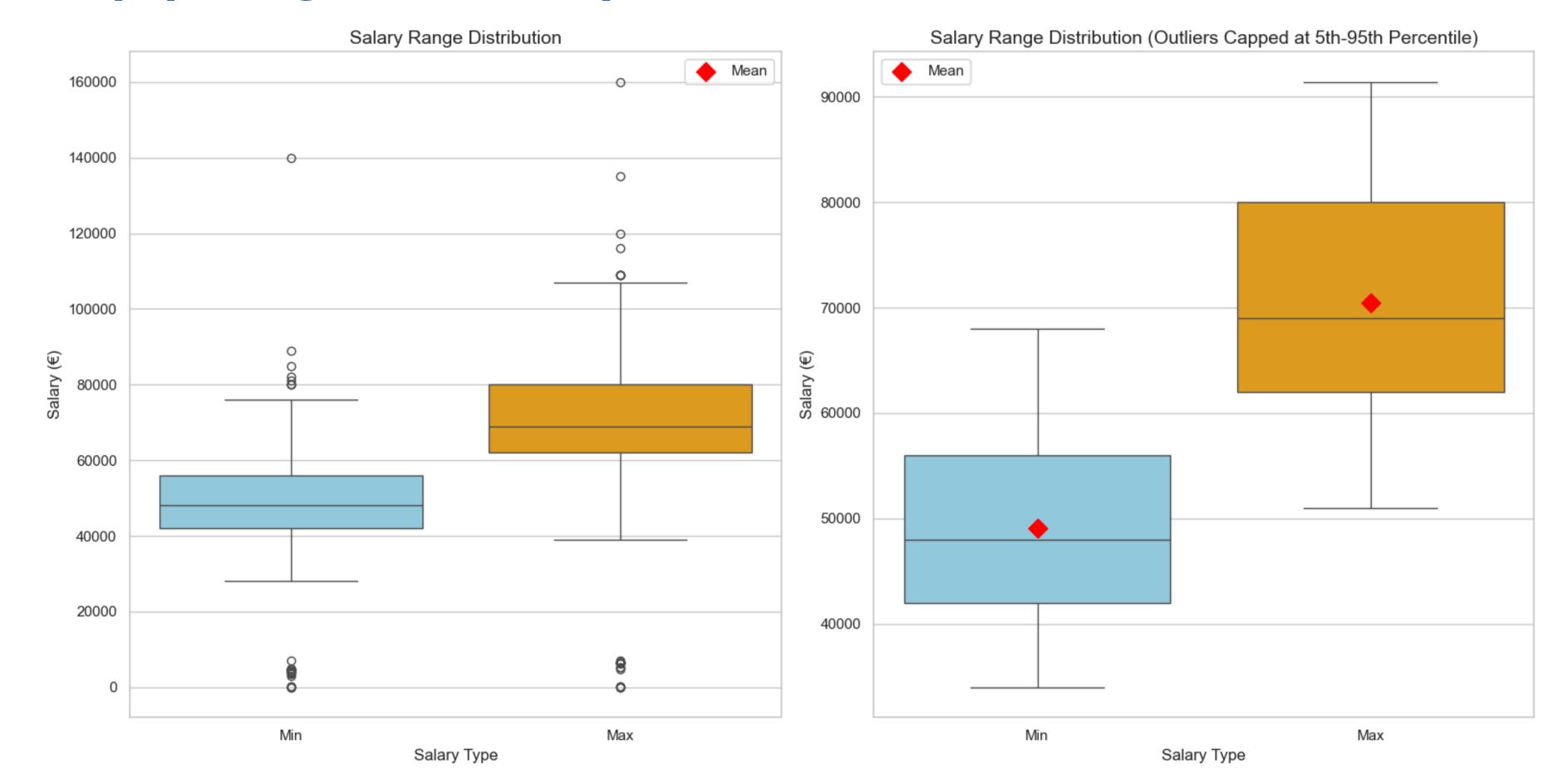
BI

ML Engineer

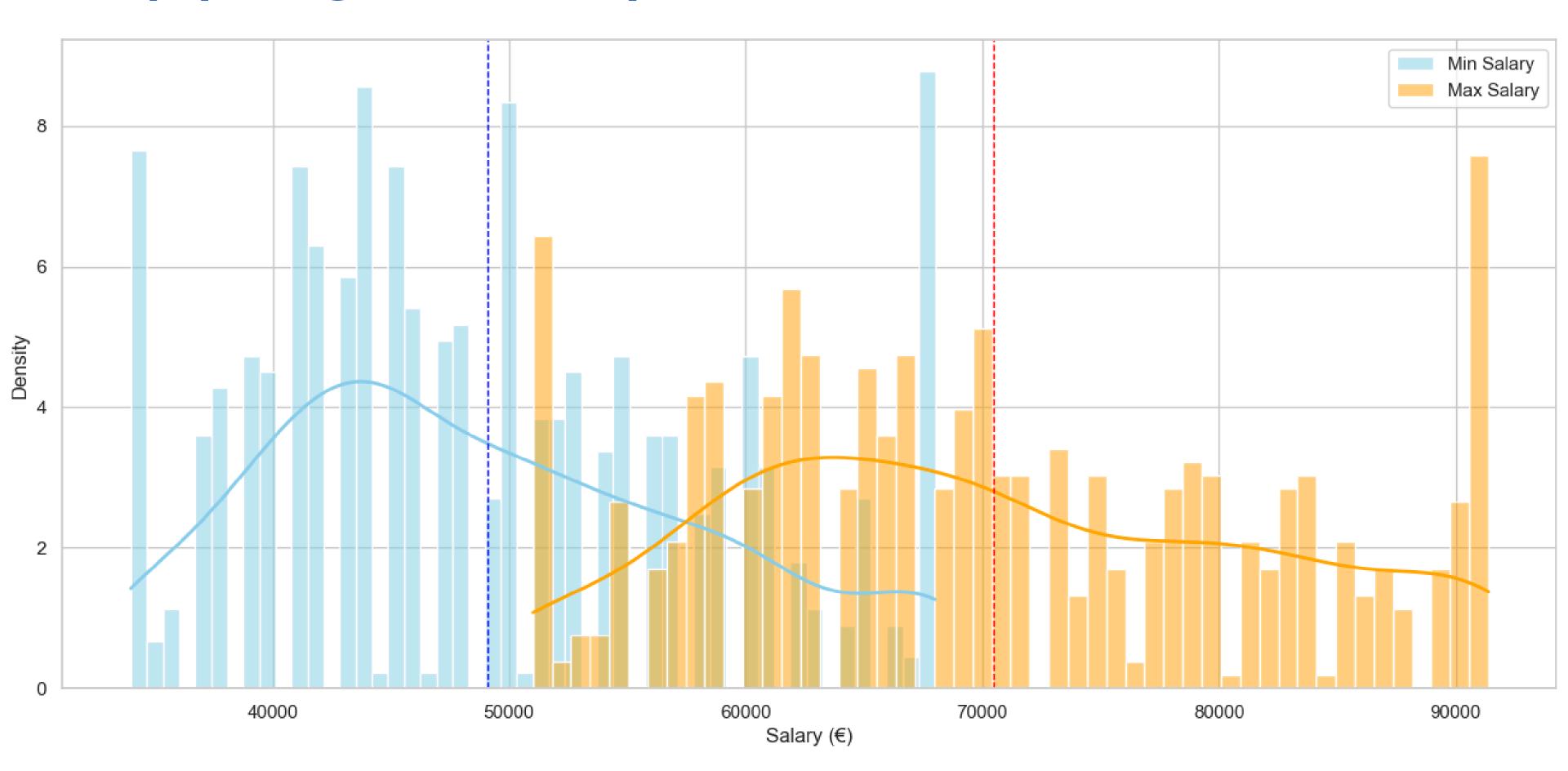
Business analyst

746 rows

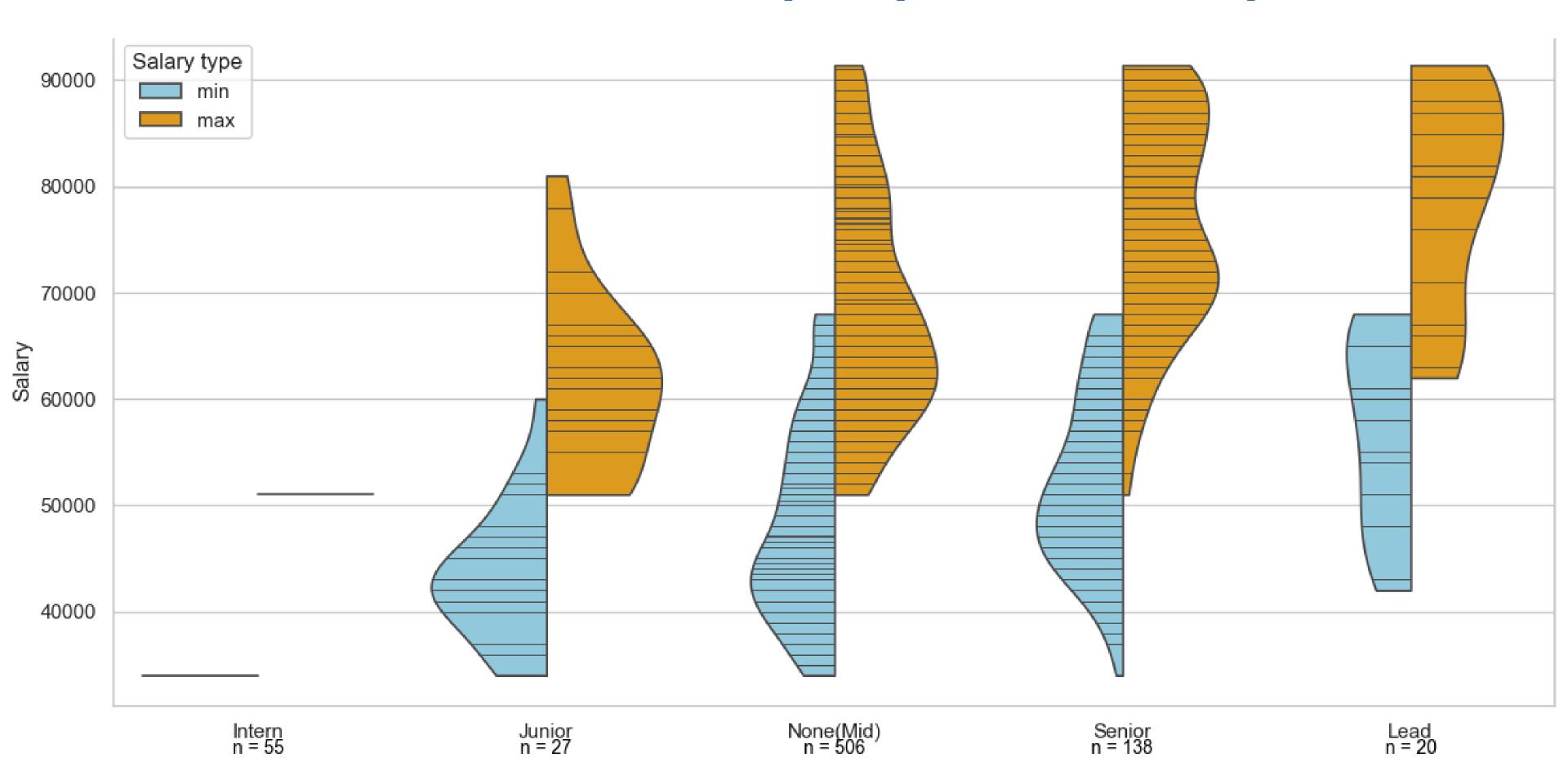
Capping - Salary Distribution



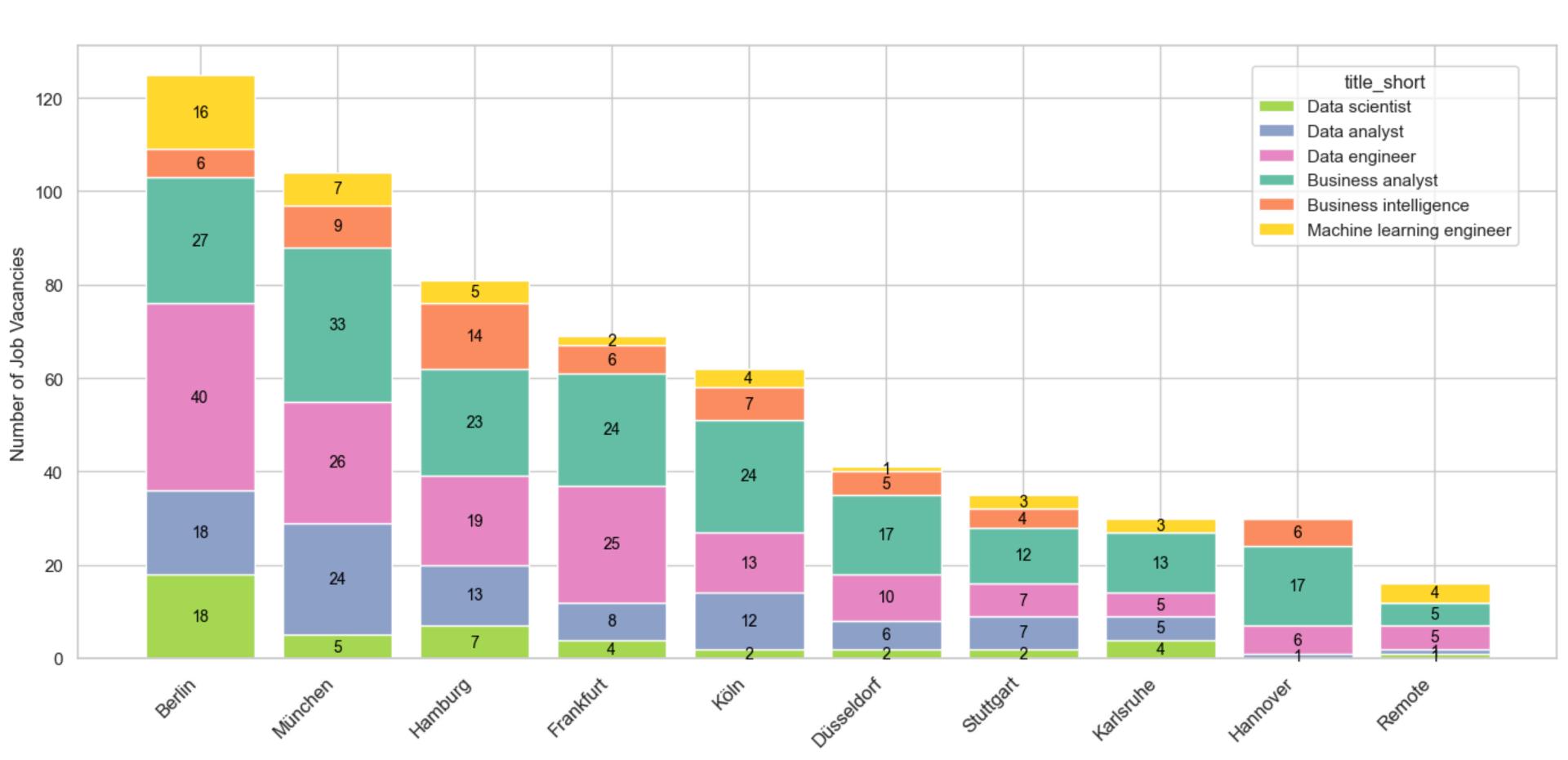
Capping - Salary Distribution



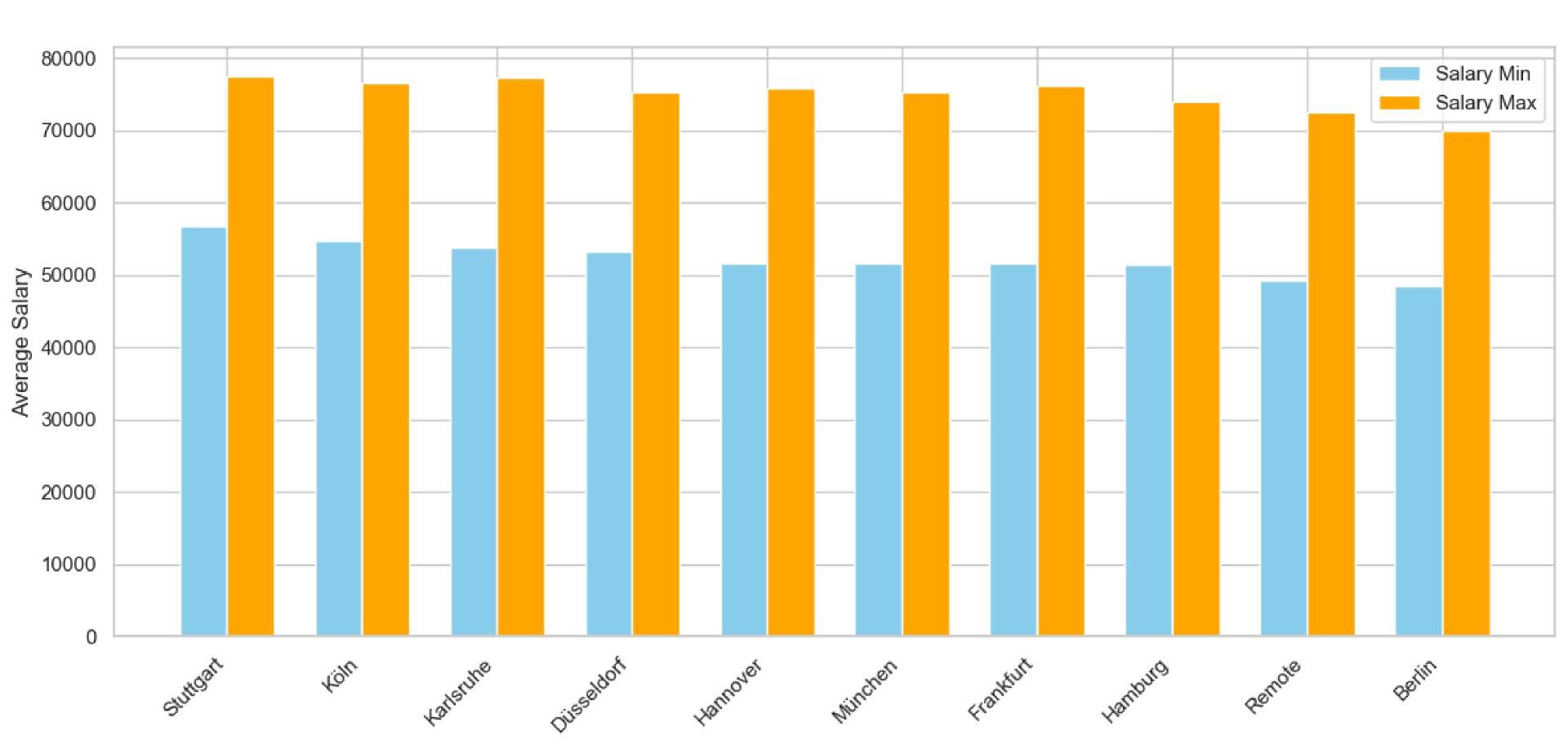
Distribution of Salary by Seniority



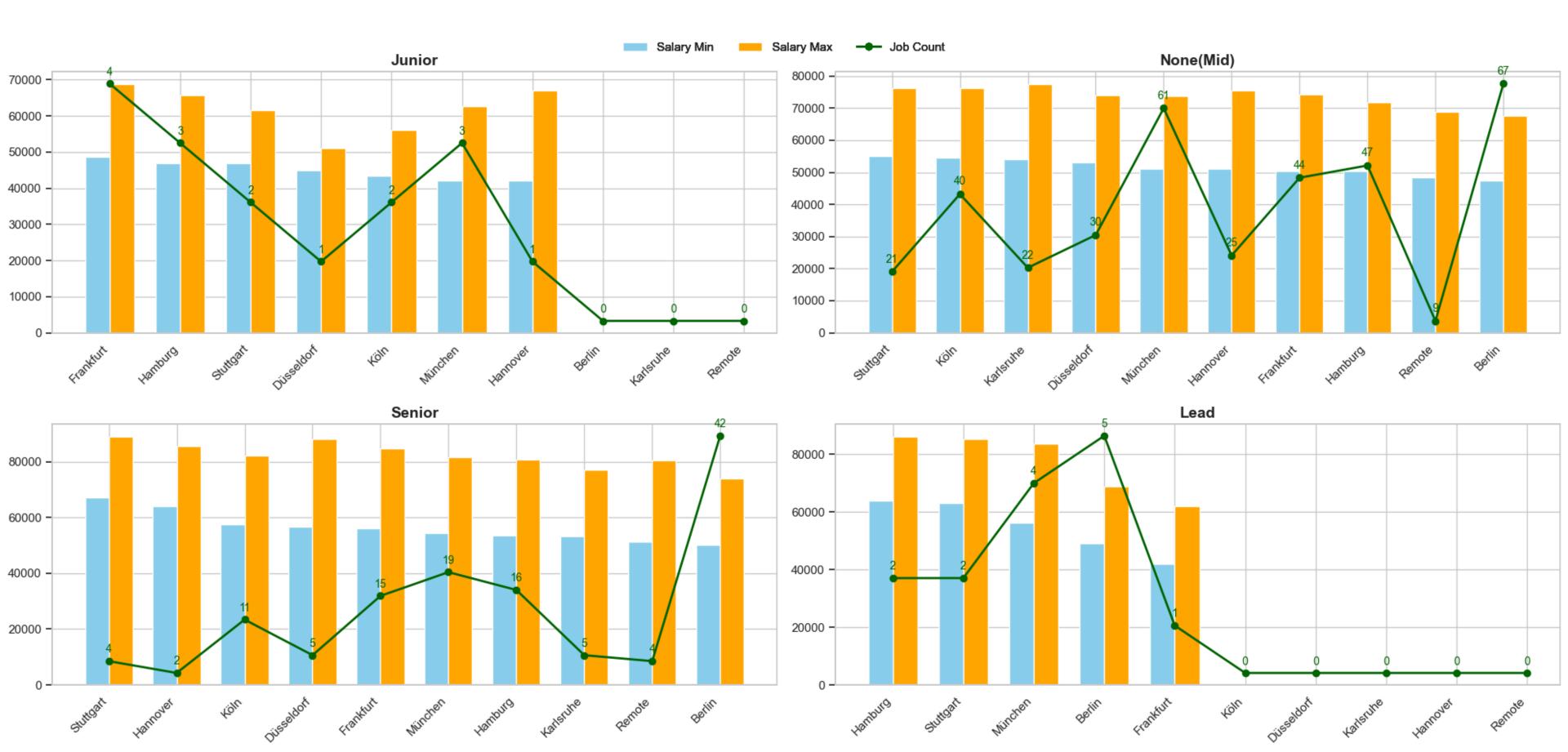
Number of Job Vacancies by City



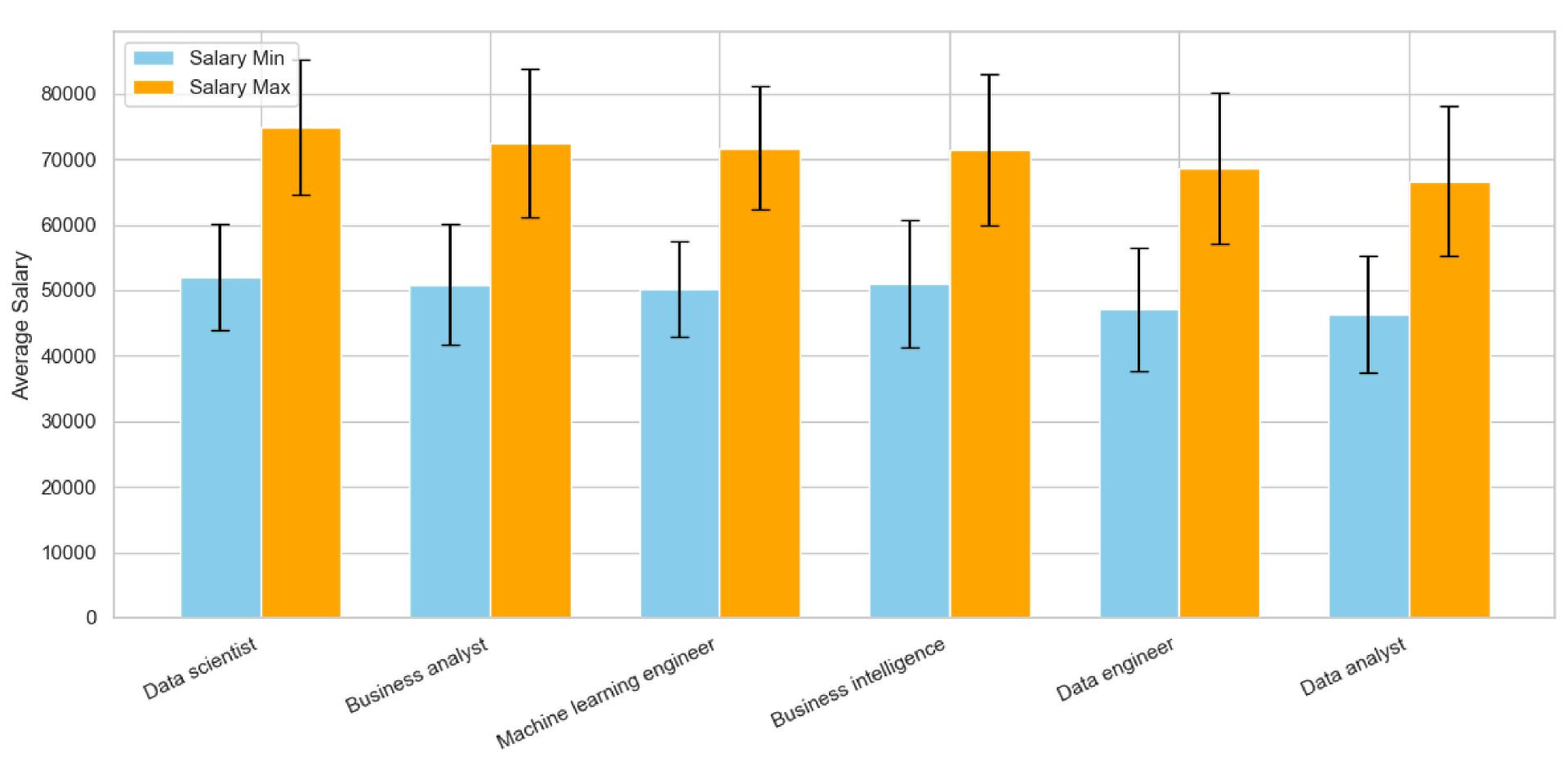
Average min and max Salary by City



Avg Salary by City for Different Seniority Levels



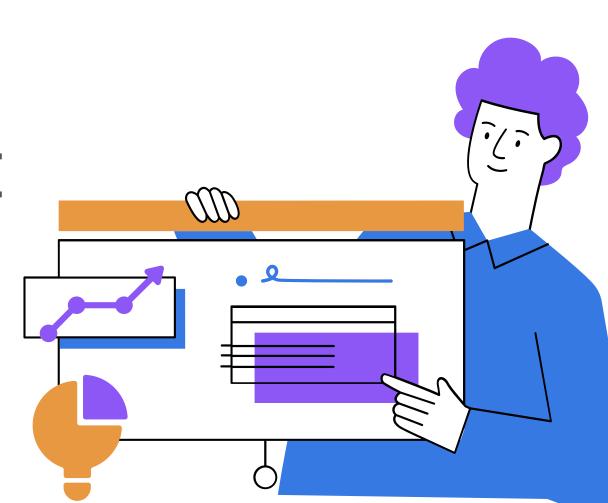
Avg Salary by Title



Key Findings



- Average salary range: €47 68,000
- Higher expertise = higher salary
- Most job offers in Berlin
- But salaries there are the lowest
- Top-paid role: Data Scientist



Thank You



- sergej.kurtasch@gmail.com
- https://github.com/SergejKurtasch/stepstone

