Open jobs positions analysis

Data Science

Machine Learning

ML OPS

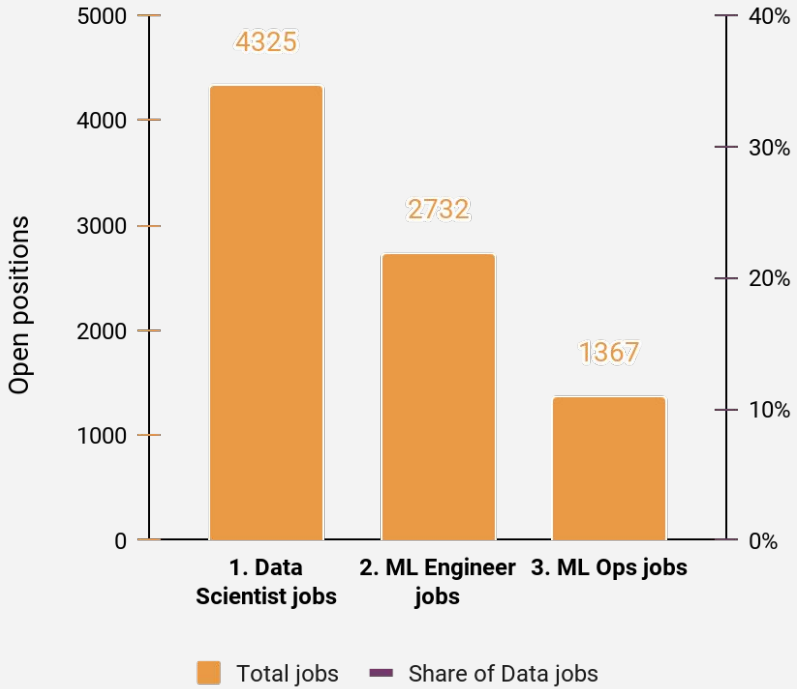
jobs-in-data.com

Report summary

Date of Report: 2023-09-19

Scope of data analyzed in the report:

- Job groups: **Data Science jobs, ML Engineer jobs, ML OPS jobs**
- Total number of job openings: **9261**
- Total number of companies: **1605**
- Total number of tokens in job descriptions: **11 545 729**
- Countries: **89**
- Cities: **762**



Notes:

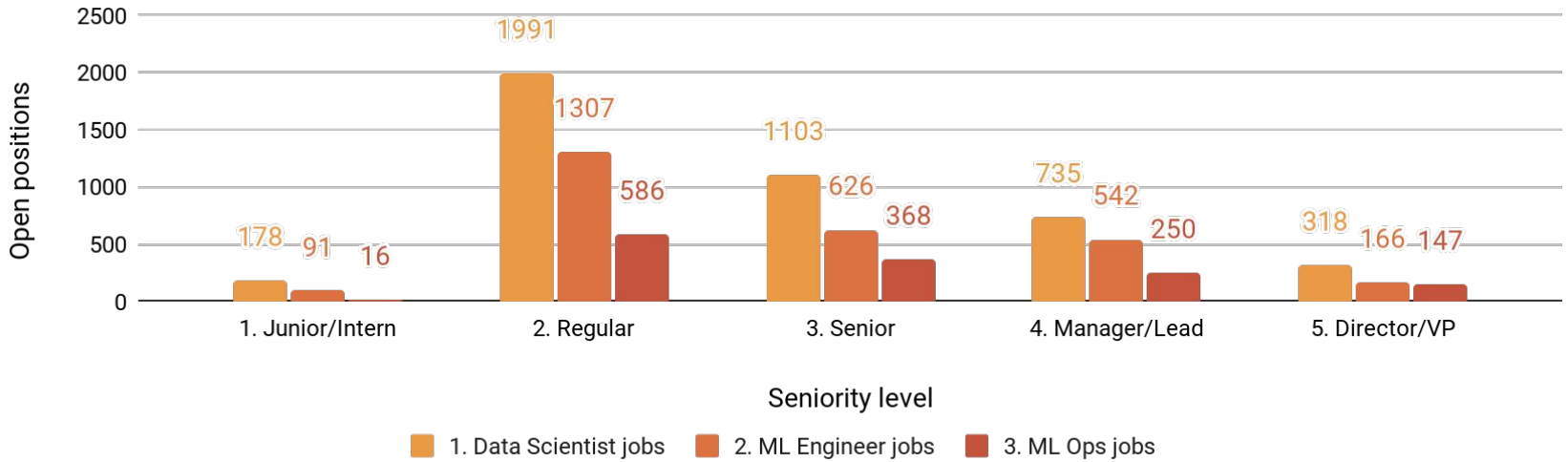
Job groups definitions:

- **Data Scientist jobs:** Jobs with the following keywords in the Job Title: 'data science', 'data scientist'. Does not include ML Engineering nor ML OPS jobs jobs.
- **Machine Learning Engineer jobs:** Jobs with the following keywords in the Job Title: 'ml engineer', 'machine learning engineer', 'developer in ml', 'developer in machine learning', 'Software Engineer - Machine Learning', 'machine learning' , 'ml/ai', 'ml'. Does not include Data Science nor ML OPS jobs.
- **ML OPS jobs:** Jobs with the following keywords related to ML OPS: 'mlops', 'ml ops', 'ml operations', 'machine learning operations', 'machine learning ops', 'data ops', 'dataops'. The keyword search was both in the job title and job description. Does not include Data Science nor ML Engineering jobs.

Data collection:

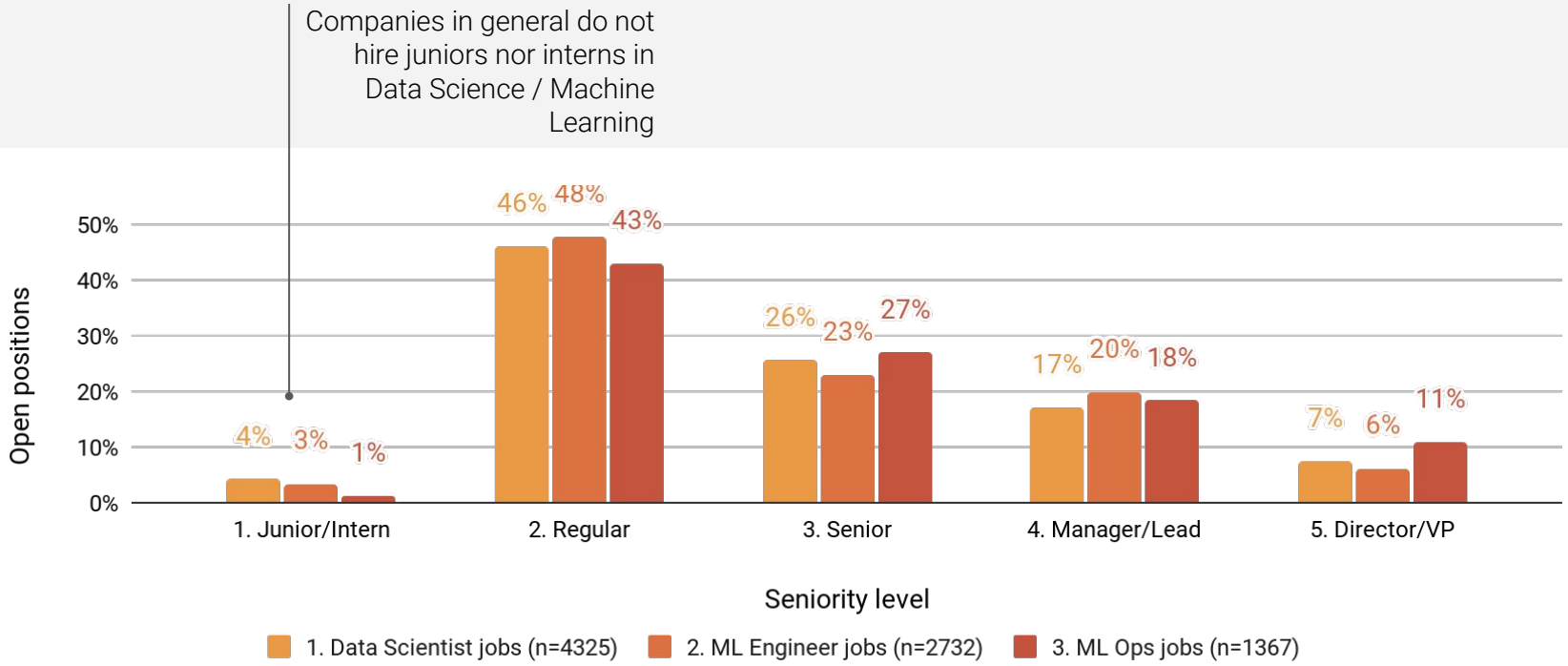
- Internet crawl across ca. 24.000 companies, including all Fortune 100 companies.
- Time span: Last 90 days from the Report Date.
- The quoted salary data is taken directly from the job descriptions.

Open positions by seniority



1. W&B job market share = W&B jobs / (W&B jobs + ML OPS jobs)

Open positions by seniority (distribution within group)



Open positions by country

Top 10 countries

	1. Data Scientist jobs	2. ML Engineer jobs	3. ML Ops jobs	Total
1. United States	1940	1073	463	3476
2. India	412	213	185	810
3. United Kingdom	311	87	119	517
4. Canada	97	118	48	263
5. Germany	103	49	55	207
6. France	120	21	33	174
7. Netherlands	89	31	48	168
8. not_available	76	36	43	155
9. Spain	71	28	24	123
10. Poland	47	42	33	122

Countries 10 - 20

	1. Data Scientist jobs	2. ML Engineer jobs	3. ML Ops jobs	Total
11. Mexico	49	54	13	116
12. Australia	29	65	18	112
13. Brazil	39	15	33	87
14. Singapore	44	26	15	85
15. Portugal	29	21	9	59
16. Belgium	33	11	7	51
17. China	36	11	2	49
18. Switzerland	24	17	3	44
19. Ireland	19	16	7	42
20. Philippines	22	11	6	39

Notes: not_available - e.g. fully remote roles

Open Director and Manager positions by country

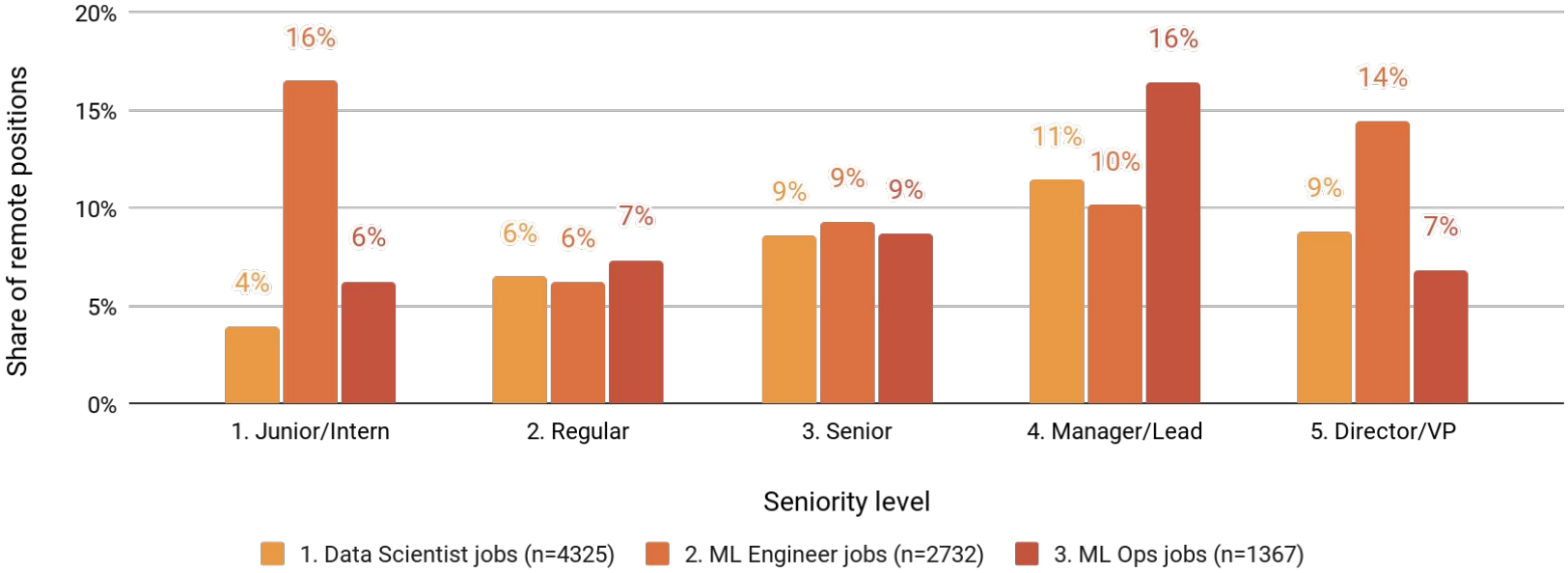
Top 10 countries

	1. Data Scientist jobs	2. ML Engineer jobs	3. ML Ops jobs	Total
1. United States	510	344	179	1033
2. India	110	73	52	235
3. United Kingdom	135	20	38	193
4. Mexico	6	39	4	49
5. Canada	16	22	10	48
6. not_available	17	17	13	47
7. Germany	23	9	8	40
8. Singapore	12	10	7	29
9. Netherlands	8	4	12	24
10. Australia	8	8	7	23

Countries 10 - 20

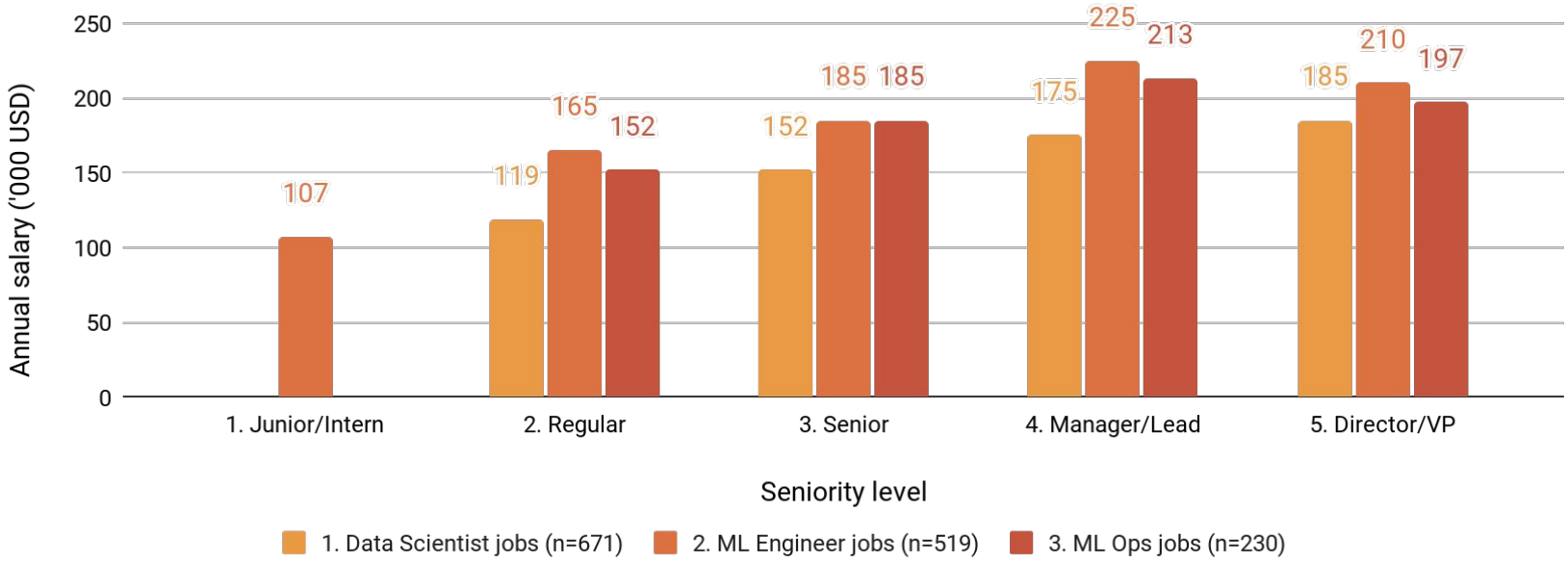
	1. Data Scientist jobs	2. ML Engineer jobs	3. ML Ops jobs	Total
11. Spain	8	6	9	23
12. Sweden	11	5	1	17
13. Portugal	5	5	1	11
14. South Korea	6	1	3	10
15. France	6	1	2	9
16. China	5	3	0	8
17. Ireland	5	1	2	8
18. Poland	2	3	2	7
19. Philippines	6	0	1	7

Share of remote positions



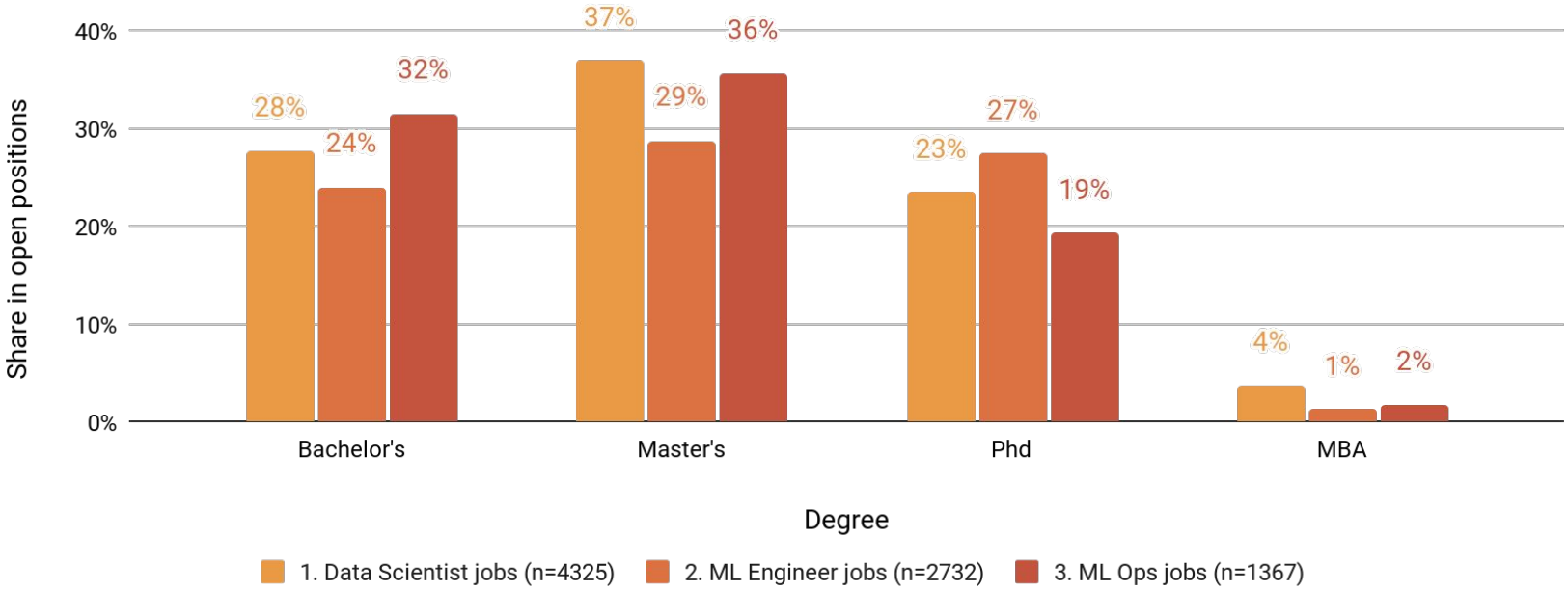
Offered annual base salary in US by seniority level

Median midpoint salaries offered in open job positions in United States

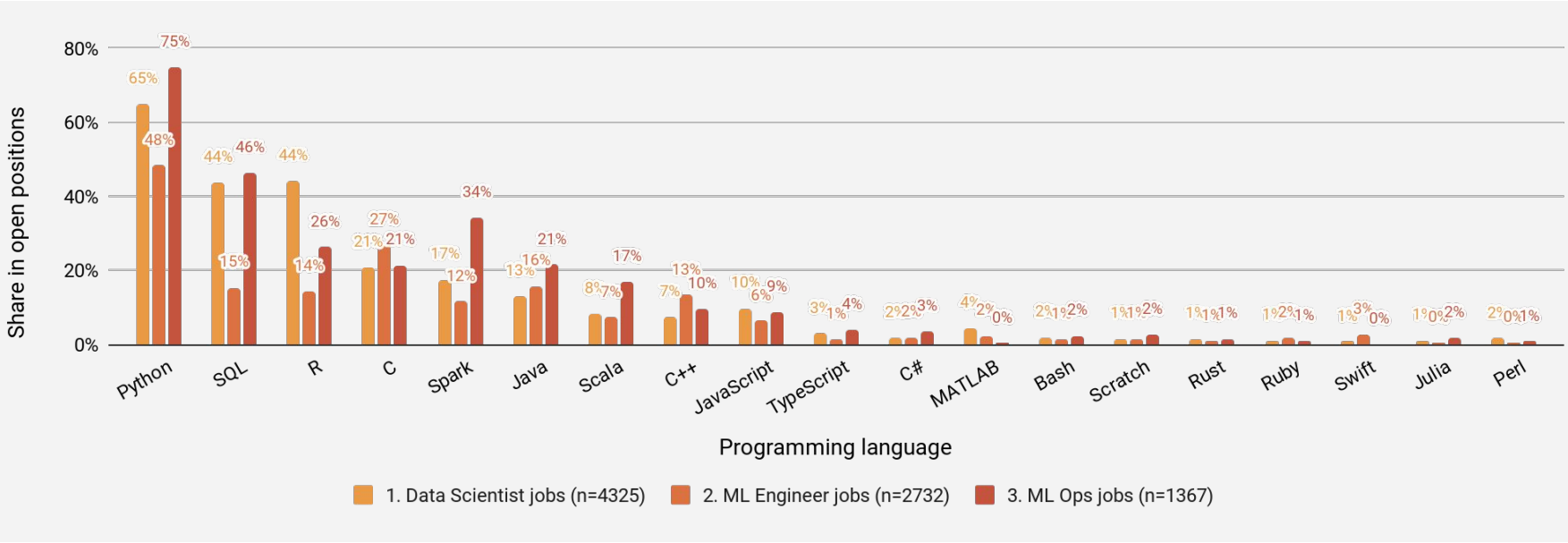


Note: Salaries in job postings are typically quoted as ranges (low-high). For the purpose of this analysis and the calculation of averages per cohort, the ranges were converted into single numbers (midpoints) using the following formula: (low + high)/2

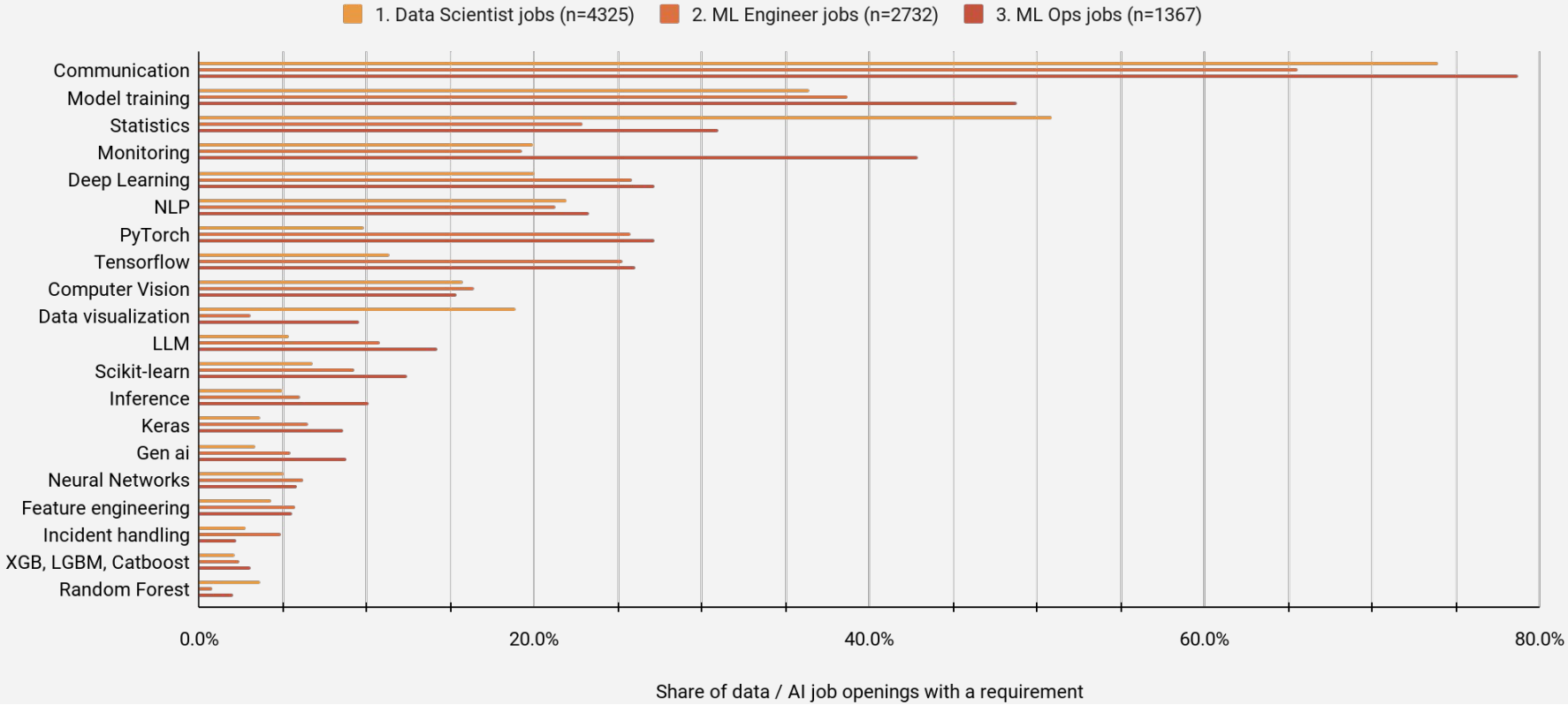
Required Education



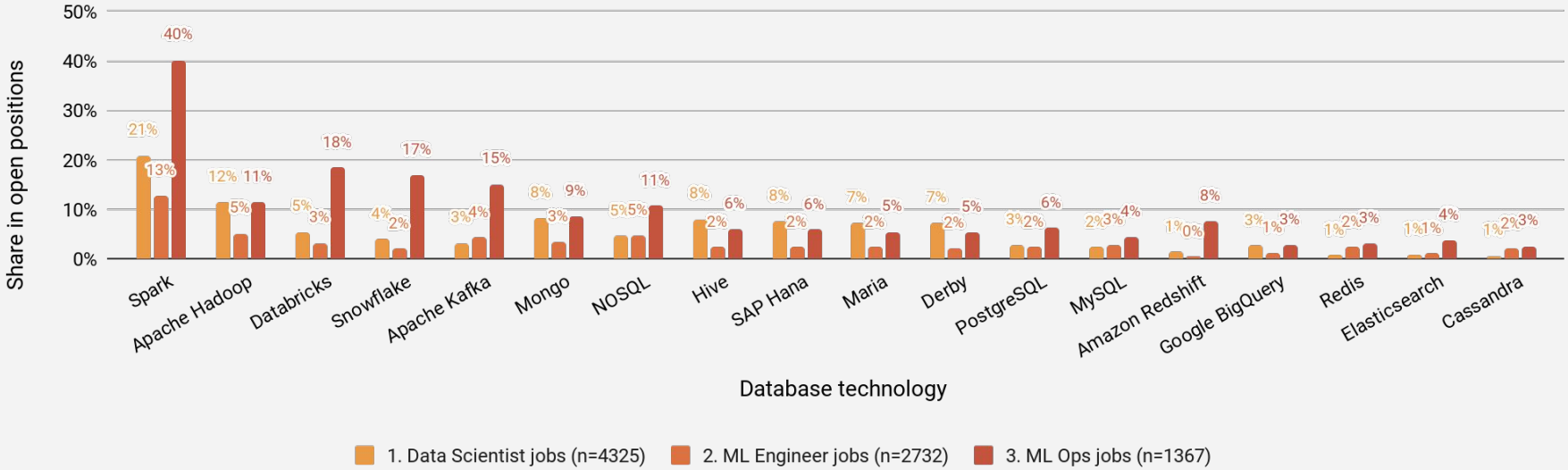
Required experience by programming languages



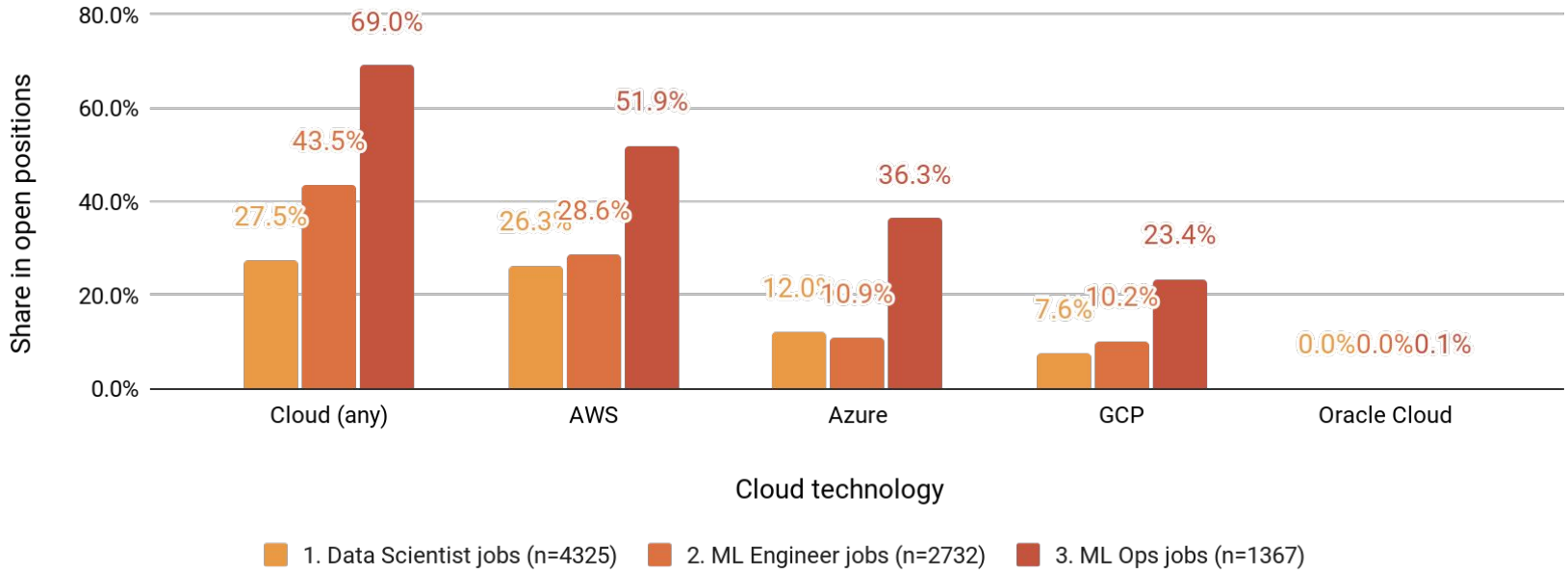
Required skills for Data / AI jobs



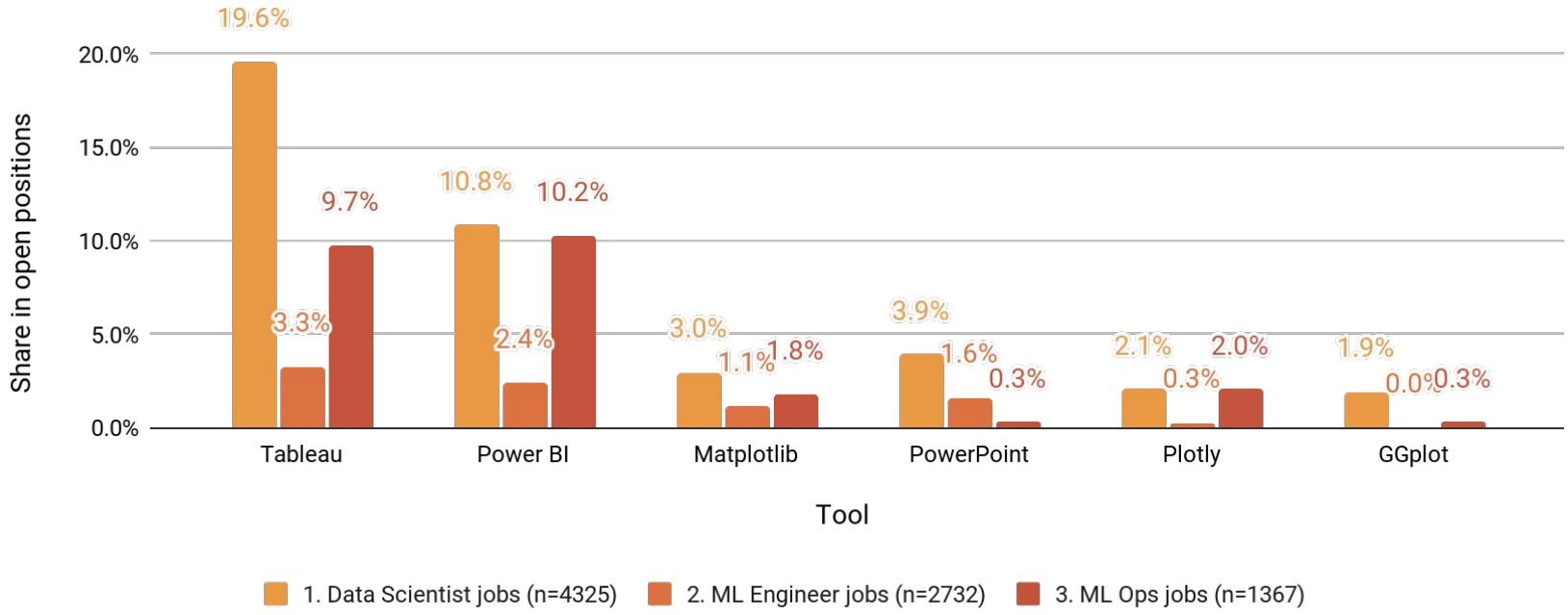
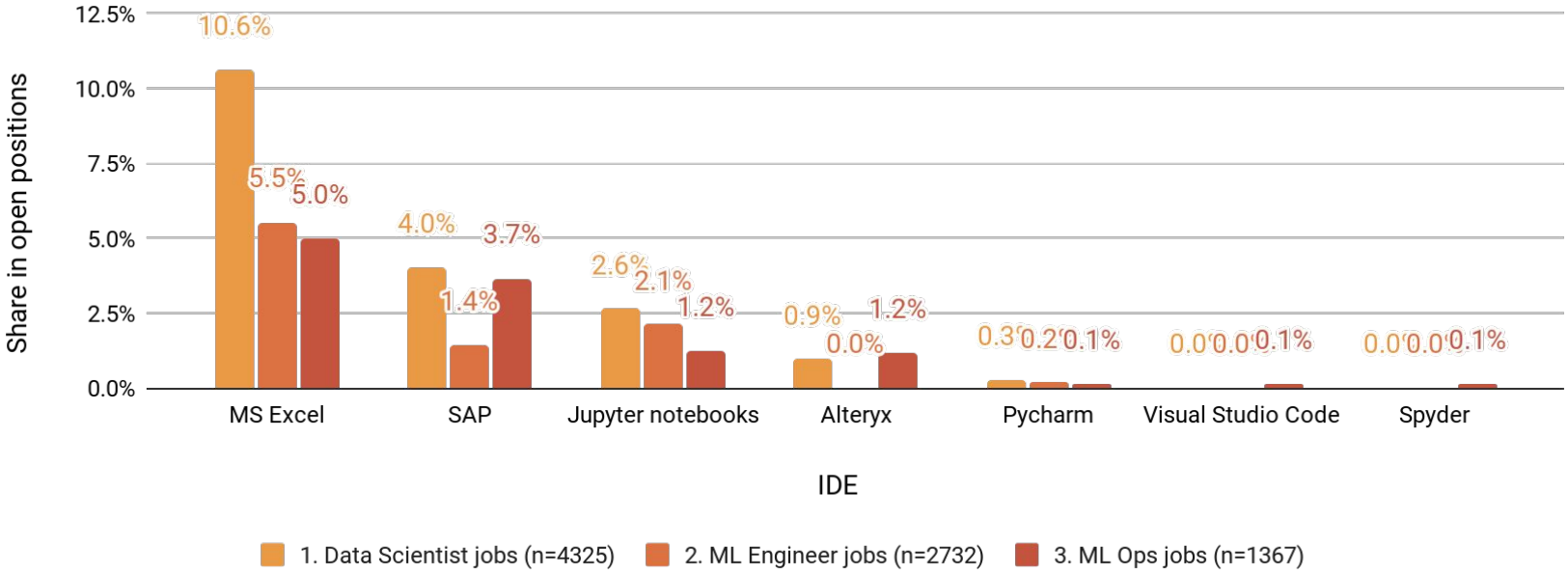
Required experience by database technologies



Required experience by Cloud technology



Required experience by Visualization Tool



Required experience by IDE