

Analysis of Data related jobs



Dataset distributed by *Kaggle*.

t.ly/X-q0b

This documentation is meant to be read on WORD 2021+ / for Google Doc please visit t.ly/rhJvo

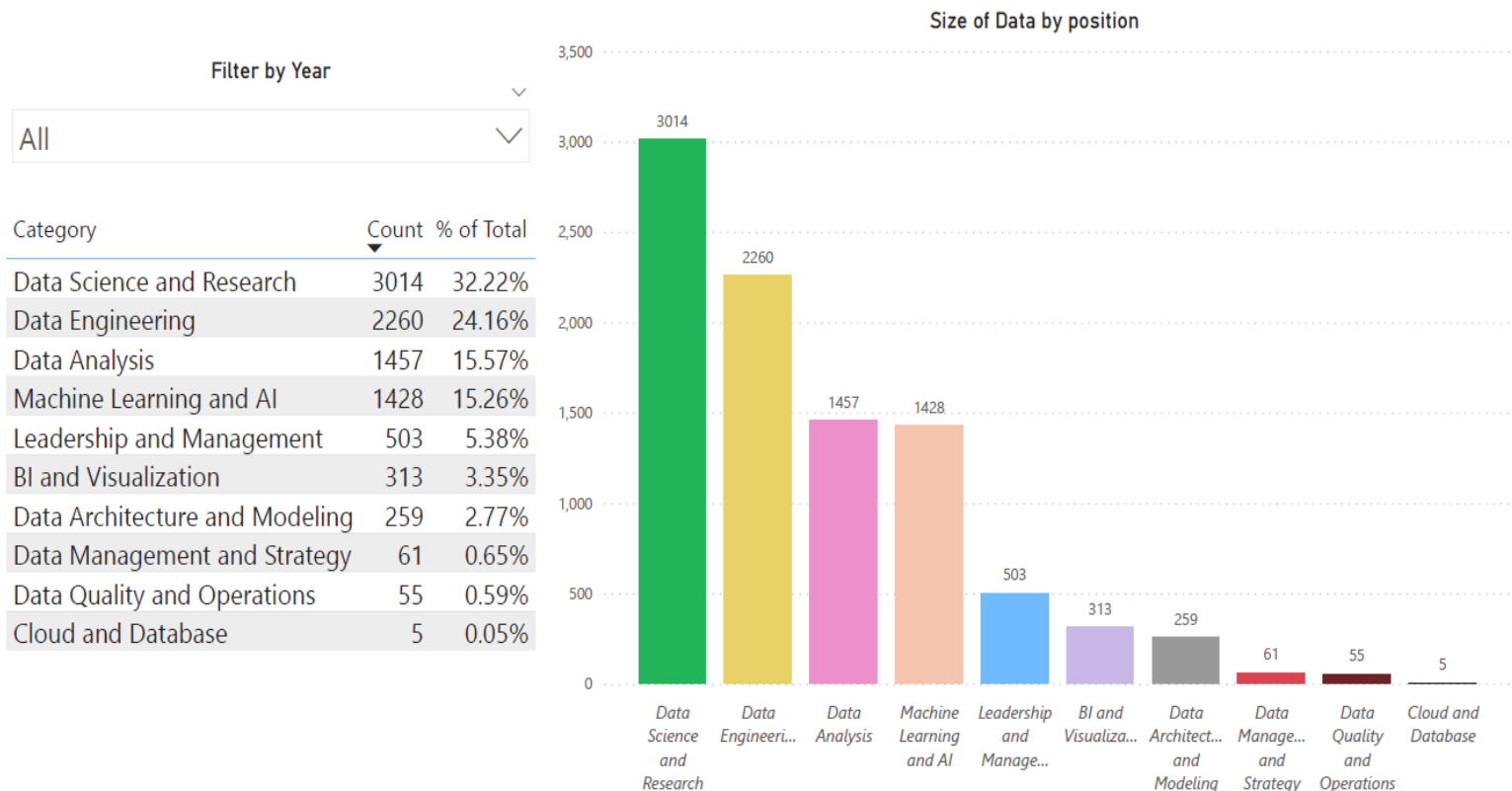
Introduction

In the following document the aim is to put in the spotlight the key features that the Dataset provides.

The information presented will concern the following topics:

- Distribution based on Job Category
 - Filter by years
- Distribution of Salary based on Experience
- Distribution based on Employment type
 - Map distribution included
- Distribution based on Company Size
 - Map distribution included

Distribution based on Category

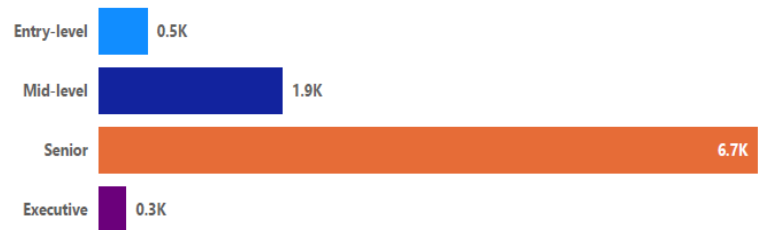
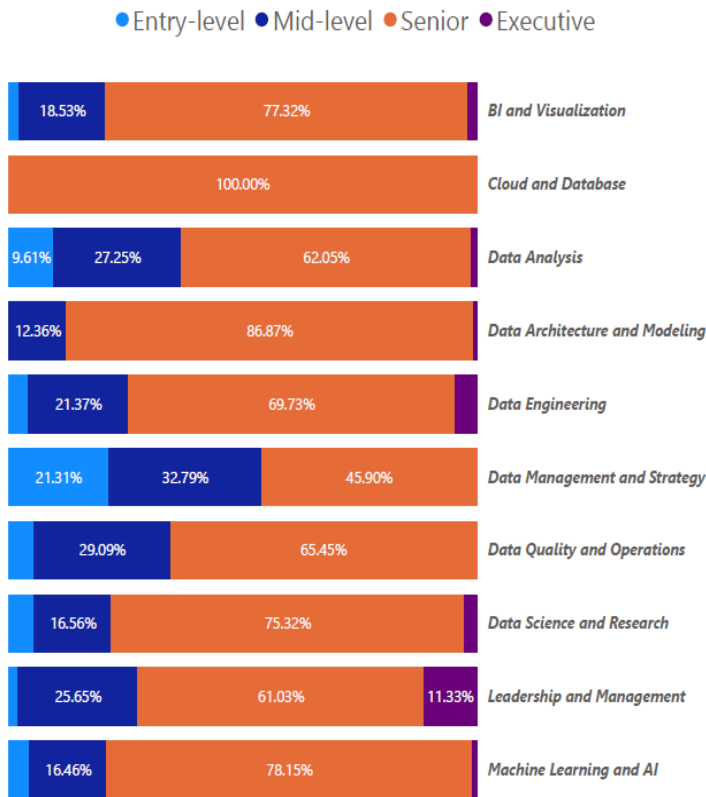


The chart displays an important trend in the field of Data Science and Research, closely followed by Data Engineering and Data Analysis & Machine Learning related positions closely following.

The rest of the positions are issued as secondary tasks for the main titles. Larger companies can afford to have an expertise specialist in those positions, but those cases are not that common (*Bi and Visualization* as part of *Data Analysis*, or *Cloud and Database* as part of *Data Engineering*, for instance)

Filtered version can be accessed directly via the document available for [Download](#) (t.ly/khPDd)

Distribution of Salary based on Experience



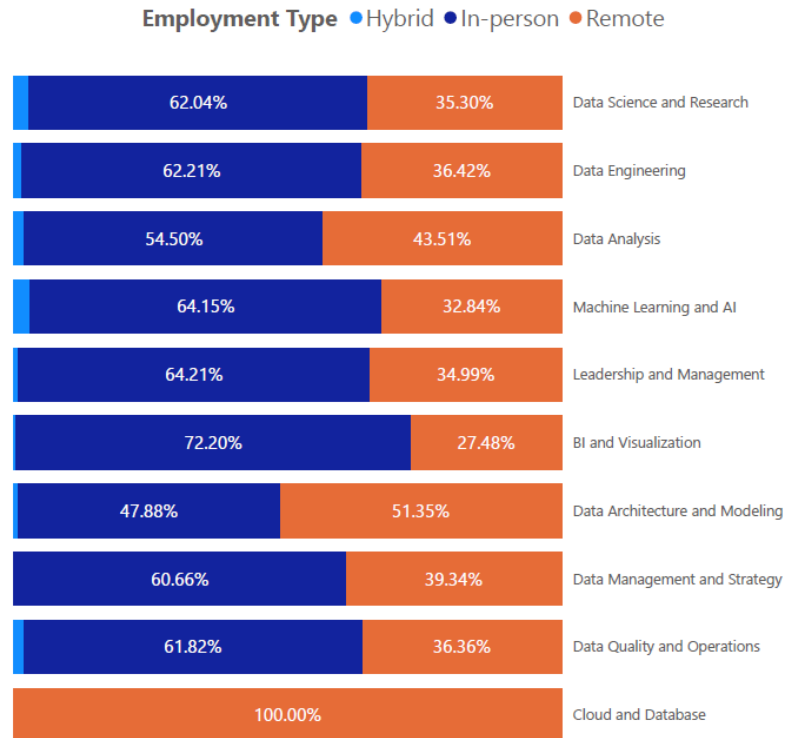
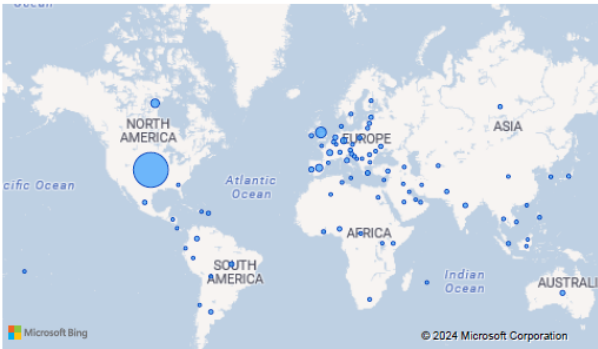
Category	Entry-level	Mid-level	Senior	Executive
BI and Visualization	\$86K	\$102K	\$143K	\$186K
Cloud and Database			\$155K	
Data Analysis	\$70K	\$96K	\$120K	\$110K
Data Architecture and Modeling		\$127K	\$160K	\$168K
Data Engineering	\$96K	\$115K	\$156K	\$187K
Data Management and Strategy	\$91K	\$100K	\$111K	
Data Quality and Operations	\$37K	\$72K	\$119K	
Data Science and Research	\$101K	\$129K	\$174K	\$206K
Leadership and Management	\$81K	\$116K	\$152K	\$189K
Machine Learning and AI	\$89K	\$142K	\$192K	\$207K
Average Salary	\$89K	\$118K	\$162K	\$189K

The chart shows an important number of Senior Data workers followed by Mid and Entry level workers. It is important to note that this is a segmented dataset provided by Kaggle and the information from an important number of companies is private.

In terms of Salary there is noticeable the difference between Mid-Level and Seniors which may cause the aim for those workers to achieve those positions. Meanwhile the salary increase from Senior onwards is not that high which depending on the responsibility difference may cause the low incentive in pursuing those positions.

Distribution based on Employment Type

Category	Hybrid	In-person	Remote
BI and Visualization	\$76K	\$139K	\$126K
Cloud and Database			\$155K
Data Analysis	\$62K	\$110K	\$108K
Data Architecture and Modeling	\$175K	\$140K	\$171K
Data Engineering	\$80K	\$150K	\$143K
Data Management and Strategy		\$102K	\$104K
Data Quality and Operations	\$24K	\$114K	\$83K
Data Science and Research	\$86K	\$169K	\$160K
Leadership and Management	\$221K	\$142K	\$150K
Machine Learning and AI	\$104K	\$191K	\$163K
Average Salary	\$89K	\$156K	\$145K

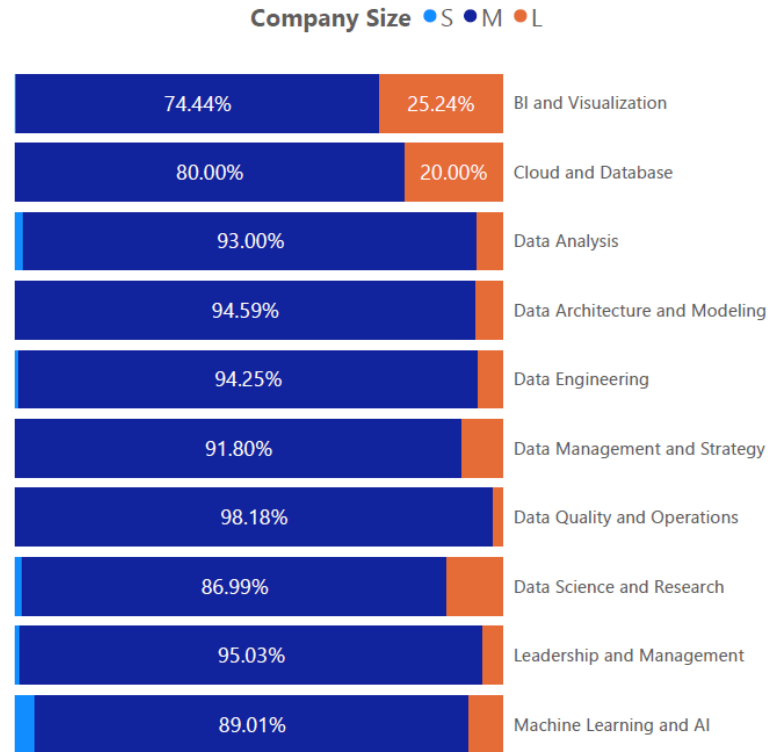
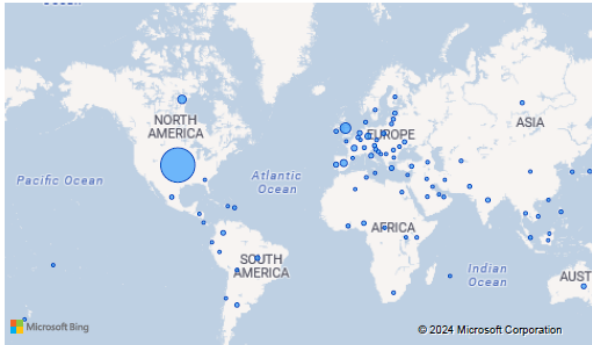


The chart presents a slightly higher amount of *In-Person* followed by Remote. In terms of salary, despite a few cases where differences can be noticeable, it is overall distributed equally.

Lastly, the map is included in the dashboard to check if there's a trend of employment type based on location, but no tendency was determined.

Distribution based on Company Size

Company Size	S		M		L	
Category / Company Size	Amt	Avg	Amt	Avg	Amt	Avg
BI and Visualization	1	\$200K	233	\$134K	79	\$137K
Cloud and Database			4	\$151K	1	\$170K
Data Analysis	27	\$75K	1355	\$110K	75	\$85K
Data Architecture and Modeling			245	\$155K	14	\$176K
Data Engineering	17	\$91K	2130	\$148K	113	\$129K
Data Management and Strategy			56	\$100K	5	\$142K
Data Quality and Operations			54	\$102K	1	\$24K
Data Science and Research	49	\$90K	2622	\$166K	343	\$158K
Leadership and Management	5	\$50K	478	\$145K	20	\$177K
Machine Learning and AI	60	\$99K	1271	\$186K	97	\$132K
Total Amount	159	\$91K	8448	\$152K	748	\$141K



Firstly, it's important to note that the Dataset didn't tell if the companies defined the size by themselves or based on public knowledge size.

The chart presents a high number of Middle Size companies, mostly located in the United States.

As expected, larger companies manage higher budgets which leads to more competitive salaries with a few exceptions. Companies defined as the biggest have more consistent salaries if we take in count experience levels using the previous segment.