

# Oh, the Places a Data Scientist Will Go

—  
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IST 652



# Investigating the Job Market

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- Who is hiring data scientists?
- Where are they hiring data scientists?
- Where are the most optimal (affordable) relocation cities?
- What skills are companies looking for?

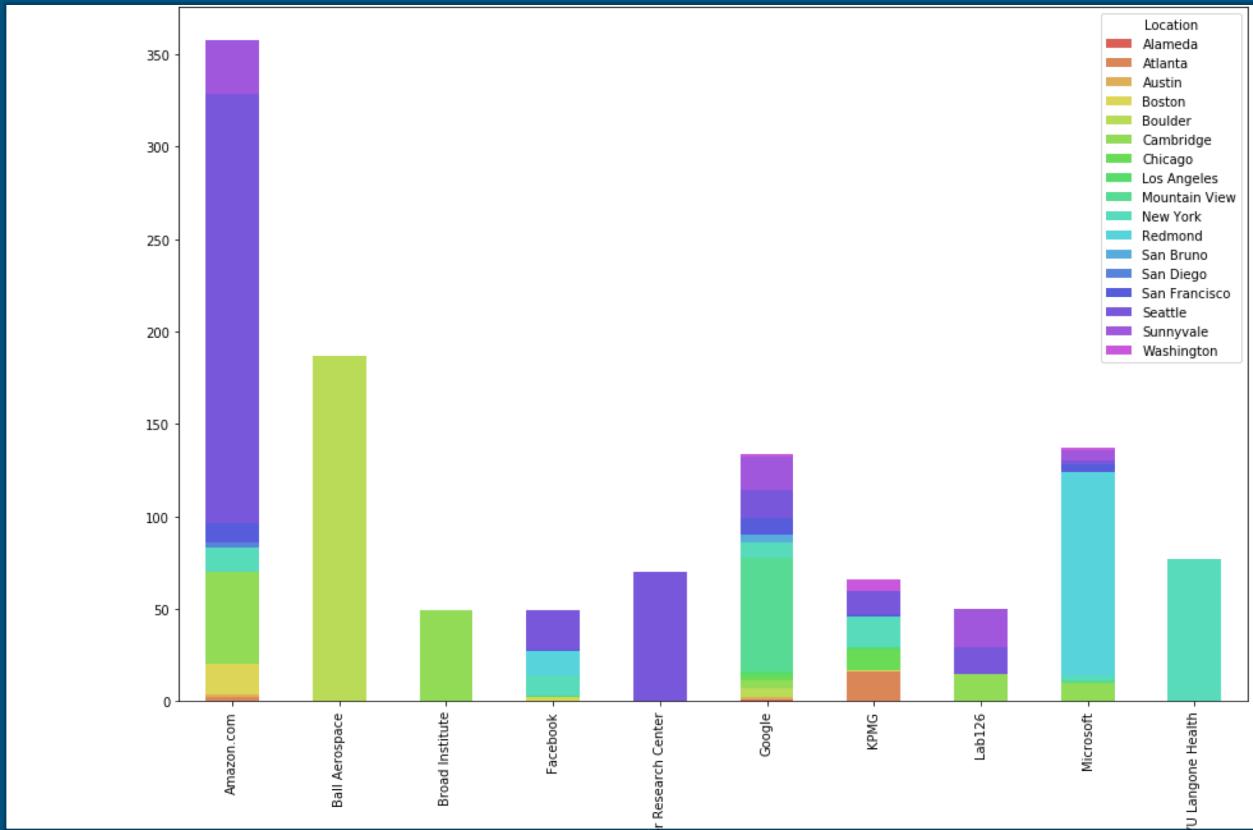


# Data

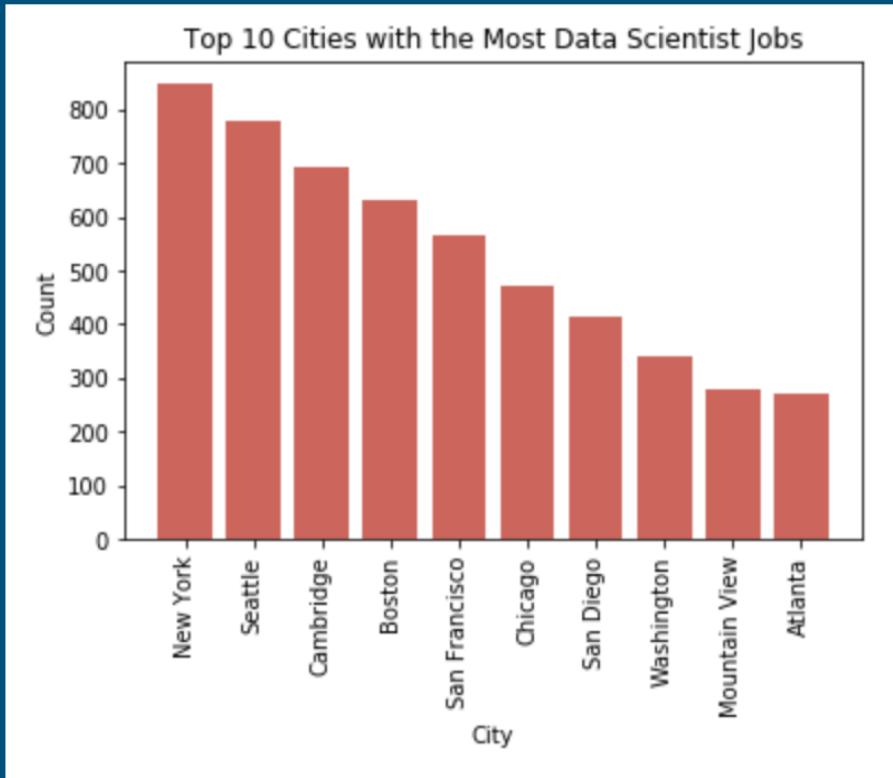


# Who is hiring data scientists?

	Amazon.com	358
	Ball Aerospace	187
	Microsoft	137
	Google	134
	NYU Langone Health	77
Fred Hutchinson Cancer Research Center		70
	KPMG	66
	Lab126	50
	Facebook	49
	Broad Institute	49
	Walmart eCommerce	45
	McKinsey & Company	41
	Takeda Pharmaceutical	39
	Harnham	39
	University of Washington	39
	Celgene Corporation	34
	Oath Inc	34
Pharmacyclics, an AbbVie Company		34
	Cymer	32
Brigham & Women's Hospital(BWH)		31
	Biogen	30

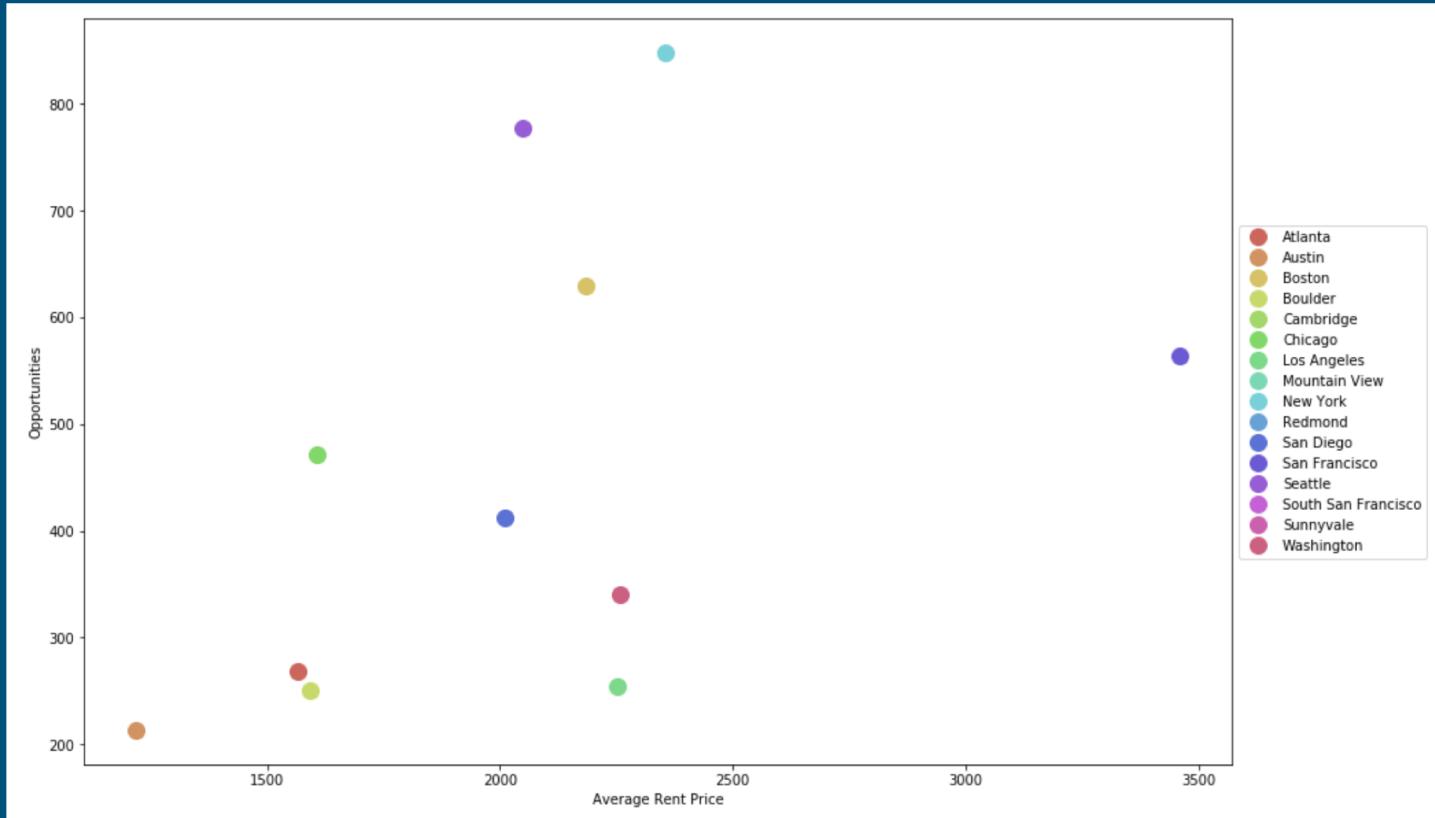


# Where are they hiring data scientists?

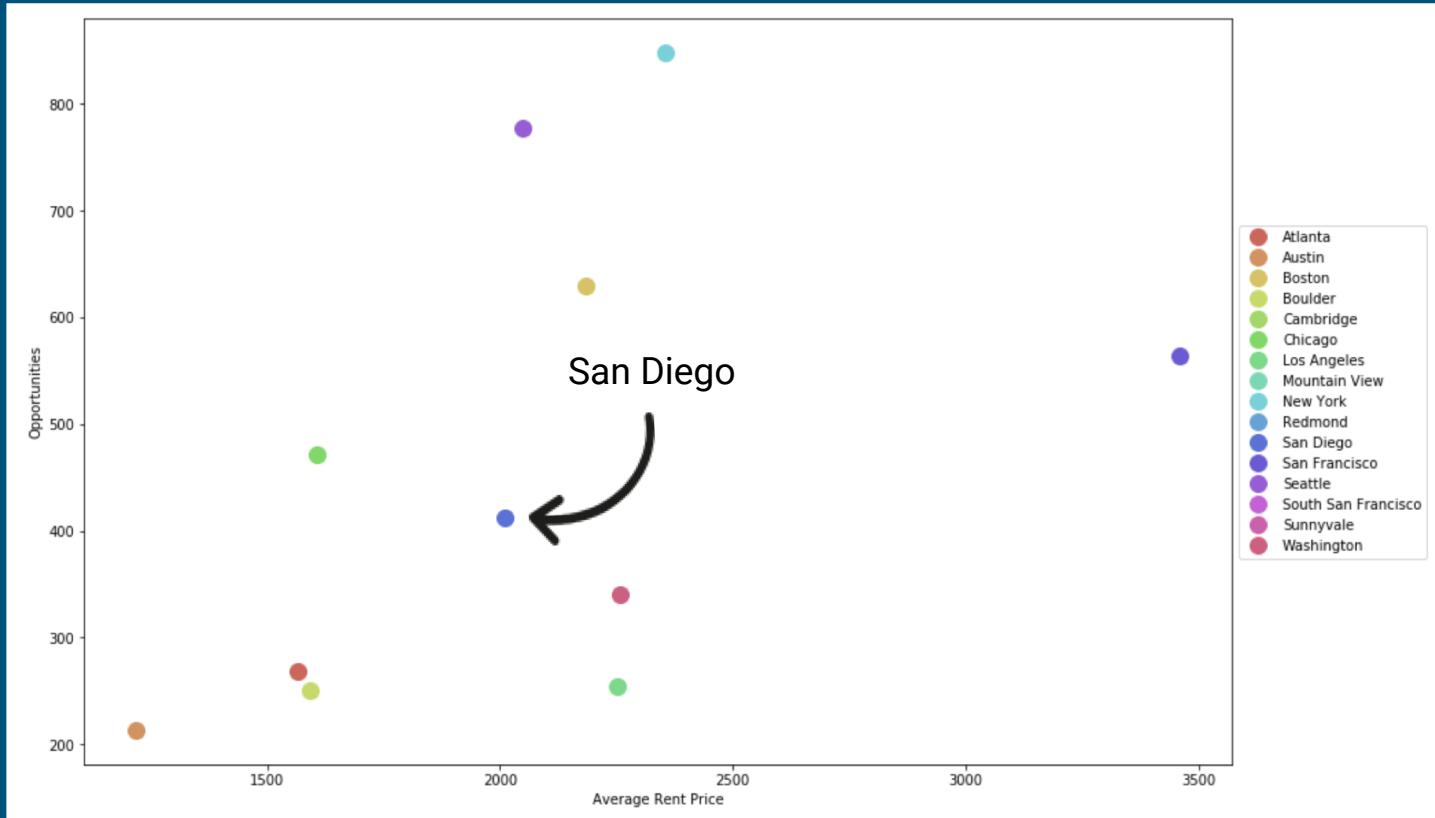


	Location	open_pos
0	New York	848
1	Seattle	777
2	Cambridge	694
3	Boston	629
4	San Francisco	564
5	Chicago	471
6	San Diego	412
7	Washington	340
8	Mountain View	277
9	Atlanta	269
10	Sunnyvale	256
11	Los Angeles	254
12	Boulder	251
13	Austin	213
14	Redmond	158
15	South San Francisco	73

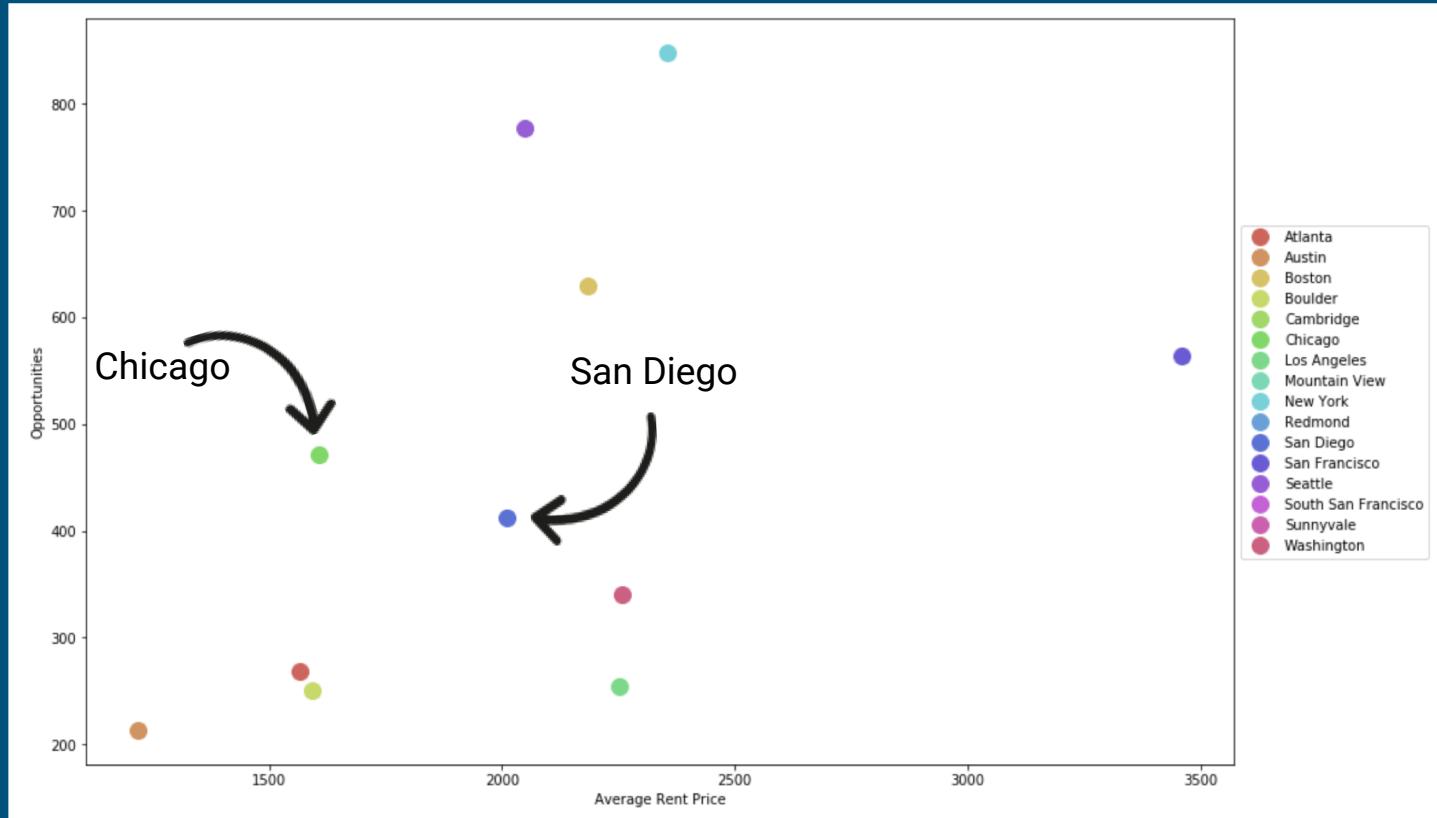
# Where are the best relocation cities?



# Where are the best relocation cities?



# Where are the best relocation cities?



# What skills are companies looking for?

data	37735
experience	19302
work	16045
team	14834
research	13568
development	11506
business	11300
learning	9092
new	8939
years	8918



# What skills are companies looking for?

word	frequency	normalized
analytics	5391	0.23%
python	2909	0.12%
security	2165	0.09%
r	1905	0.08%
sql	1708	0.07%
code	1322	0.06%
database	1258	0.05%
mining	1040	0.04%
visualization	1019	0.04%

word	frequency	normalized
excel	1017	0.04%
scripting	591	0.03%
regression	517	0.02%
tableau	445	0.02%
bi	294	0.01%
mongodb	98	0.00%
ggplot	33	0.00%
datamining	18	0.00%
textmining	1	0.00%

# Next Steps

- Weather data
  - Salary data
  - More than one job forum
  - Company Ratings
  - Basemap
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# The End\*



Good luck with the job hunt!