

# Data Science

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Employment Opportunities In Australia

# Overview - Background

"According to an IBM report, data science jobs will show a growth of 30%. As per the US Bureau of Labor Statistics, about 11 million jobs would be created by the year 2026. The US Bureau of Labor Statistics further predicts a stupendous growth in the data science field between now and 2029, with professionals being paid quite well. According to a websource, Data scientist is ranked #3 in best technology jobs on the global charts!"

## DATA SCIENTIST JOB DEMAND AT A GLANCE



**28%**

Projected increase in demand for data scientists through 2020

Forbes.com



Demand for data scientists could outpace supply by **250,000** jobs by 2024

UsNews.com

About **3 in 5** data science and analytics jobs are in three fields:

Forbes.com



Finance & Insurance



IT



Professional Services



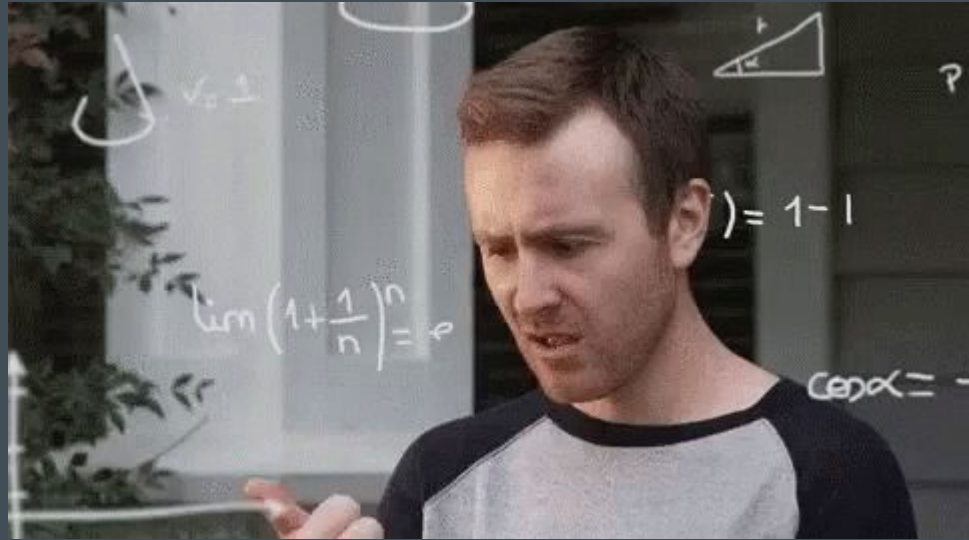
**\$ 110,000**

Median income for data scientist job listings

Forbes.com

# Question!

Do we have data that proves this narration? Is it a myth or reality?



# Objectives

- Top 10 and bottom 10 companies in terms of employee satisfaction
- Company rating vs Estimated Base Salary
- Company rating vs Compensation and Benefits
- Which job location has the most opportunities and maximum salary?
- Which Job location have the highest base salary? And is this higher in metro or regional?
- Which job location has the most opportunities?

# Employee Satisfaction

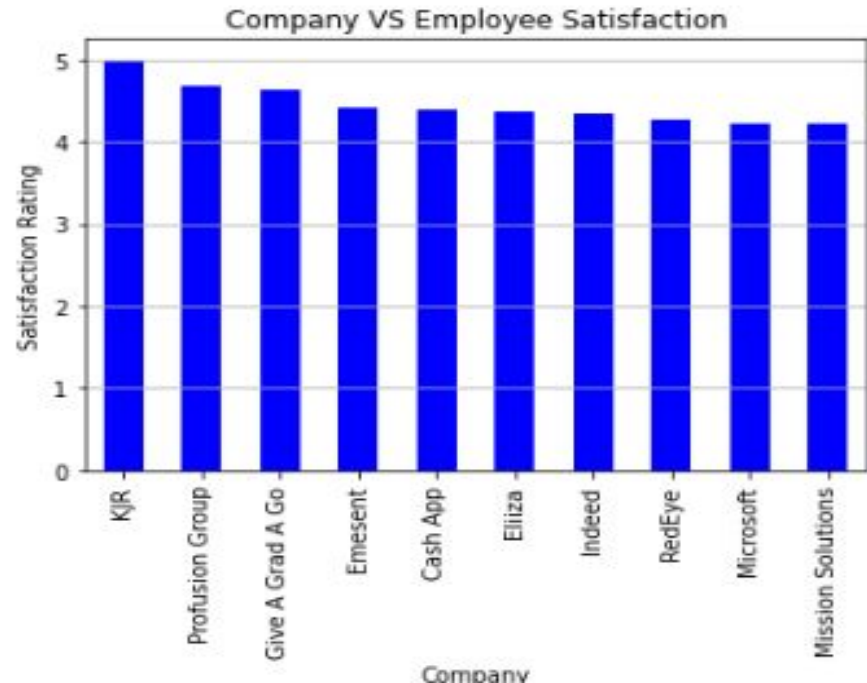
Company	Company Rating	Company Career Opportunities	Compensation and Benefits	Company Culture and Values	Company Work Life Balance
Profusion Group	4.9	4.2	4.9	4.9	4.7
Give A Grad A Go	4.8	4.6	4.5	4.7	4.7
KJR	4.7	5.0	5.0	5.0	5.0
Eliiza	4.6	4.5	4.0	5.0	4.0
Mission Solutions	4.5	3.9	4.0	4.5	4.5
Fuse Recruitment	4.5	4.1	3.9	3.9	4.1
Defence Services	4.5	3.9	4.0	4.5	4.5
Cash App	4.5	4.5	4.3	4.6	4.2
RedEye	4.5	4.1	4.2	4.5	4.3
TekWissen LLC	4.4	4.2	3.7	4.3	4.3

# Employee Satisfaction

Company	Company Rating	Company Career Opportunities	Compensation and Benefits	Company Culture and Values	Company Work Life Balance
Wing	2.1	1.8	2.7	2.0	2.2
Simplot	3.0	2.6	3.0	2.6	2.8
GenesisCare	3.0	3.2	3.0	3.0	2.7
Tibra Capital	3.1	2.7	2.8	2.5	2.7
Australian Laboratory Services	3.1	2.7	2.6	3.0	2.9
Link Group	3.2	3.1	2.8	3.2	3.3
DAC Enterprises Pty Ltd	3.3	3.3	3.6	3.2	2.7
Brewdog Plc	3.3	3.3	3.3	3.0	2.7
Medpace, Inc.	3.3	3.4	2.9	3.2	3.1
AMP Limited	3.3	3.0	3.1	3.2	3.9

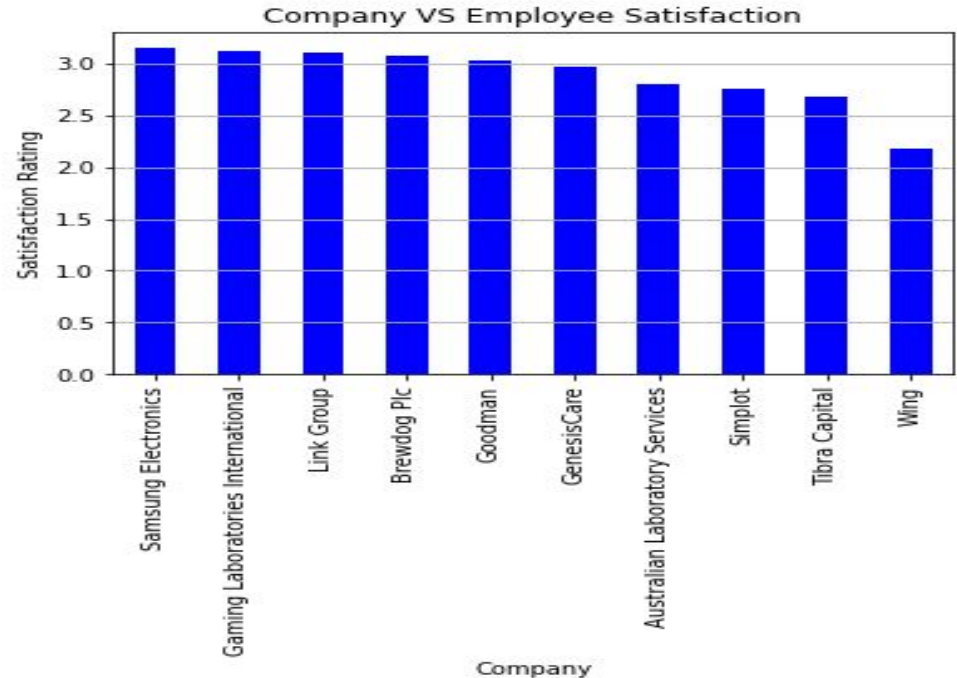
# Top Ten Companies

- 1: KJR
- 2: Profusion Group
- 3: Give A Grad A Go
- 4: Emesent
- 5: Cash App
- 6: Eliiza
- 7: Indeed
- 8: Red Eye
- 9: Microsoft
- 10: Mission Solutions



# Bottom Ten Companies

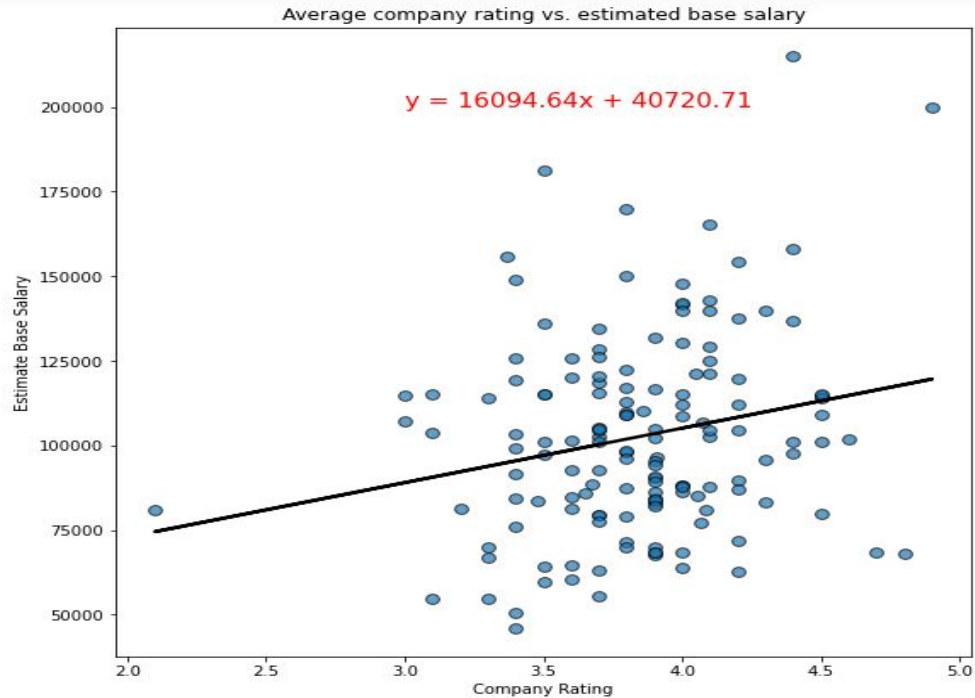
- 1: Samsung Electronics
- 2: Gaming Laboratories Internatio
- 3: Link Group
- 4: Brewdog PIC
- 5: Goodman
- 6: GenesisCare
- 7: Australian Laboratory Services
- 8: Simplot
- 9: Tibra Capital
- 10: Wing





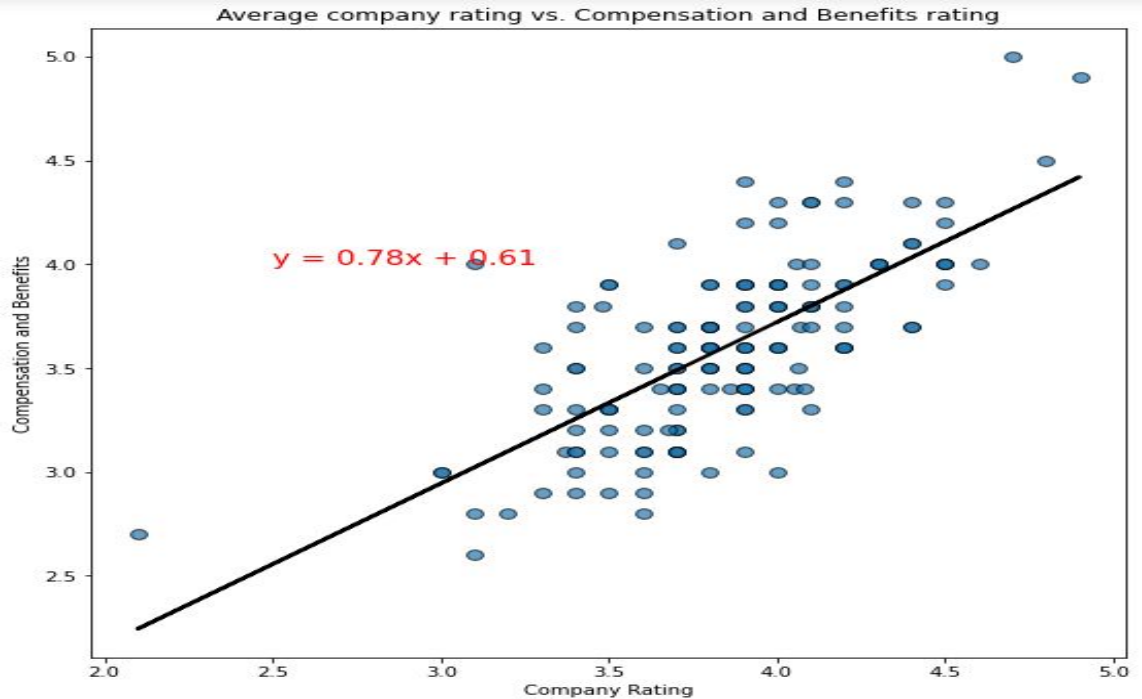
# Company Rating Vs Estimated Base Salary

What's the correlation between company rating and estimated base salary? Is it weak, strong or neutral?

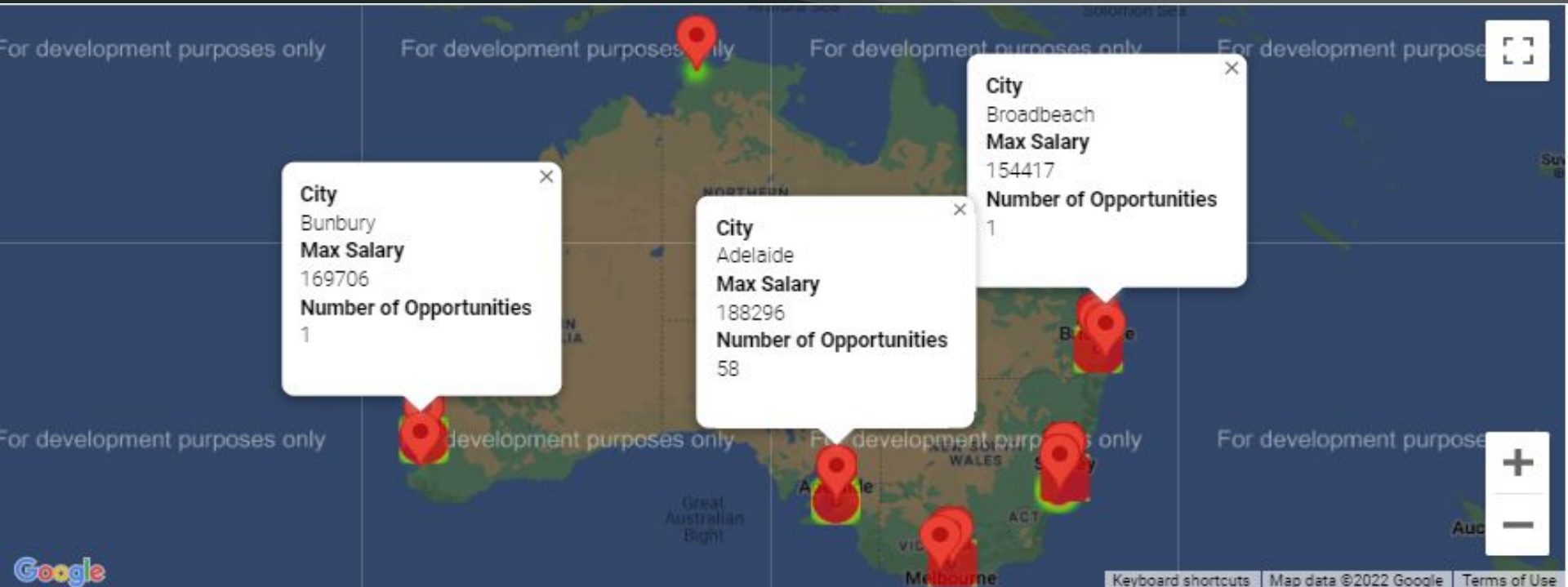


# Company Rating Vs Compensation and Benefits

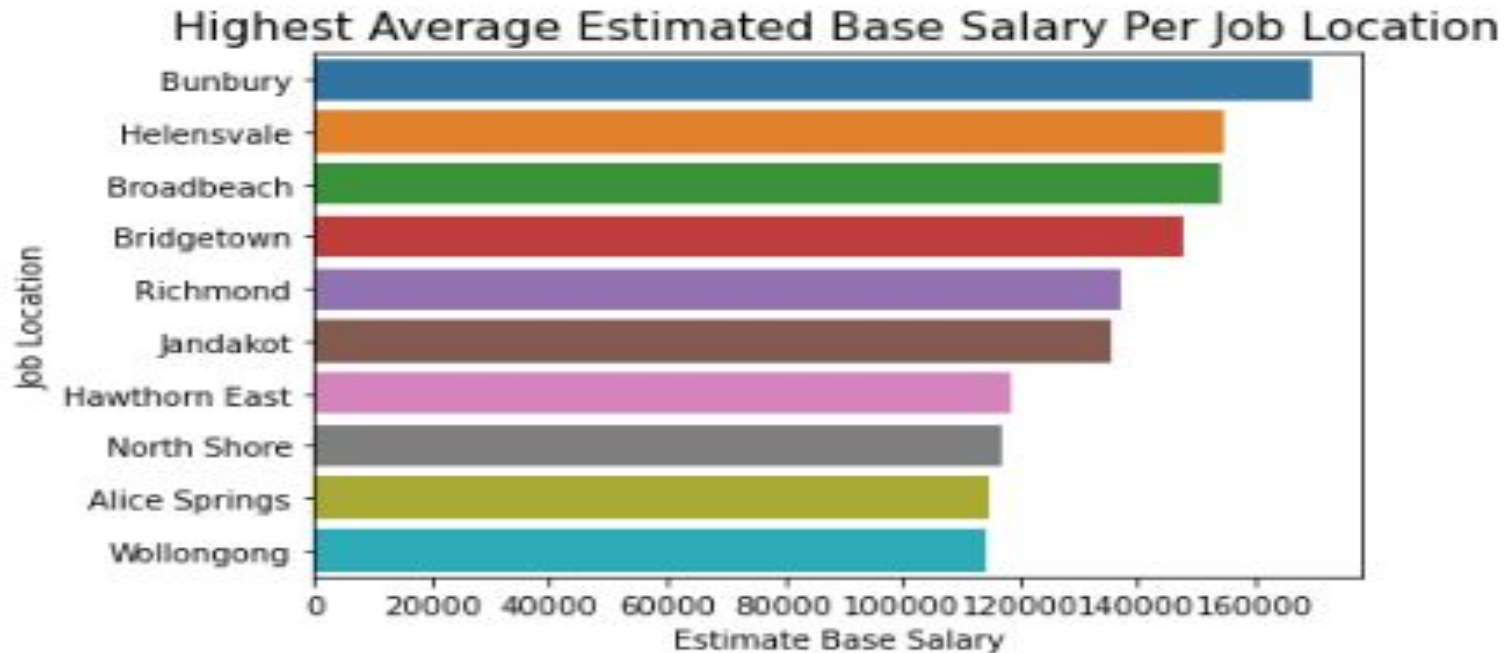
What's the correlation between company rating and compensation and benefits? Is it weak, strong or neutral?



# Popular Locations in Terms of Opportunities & Salary

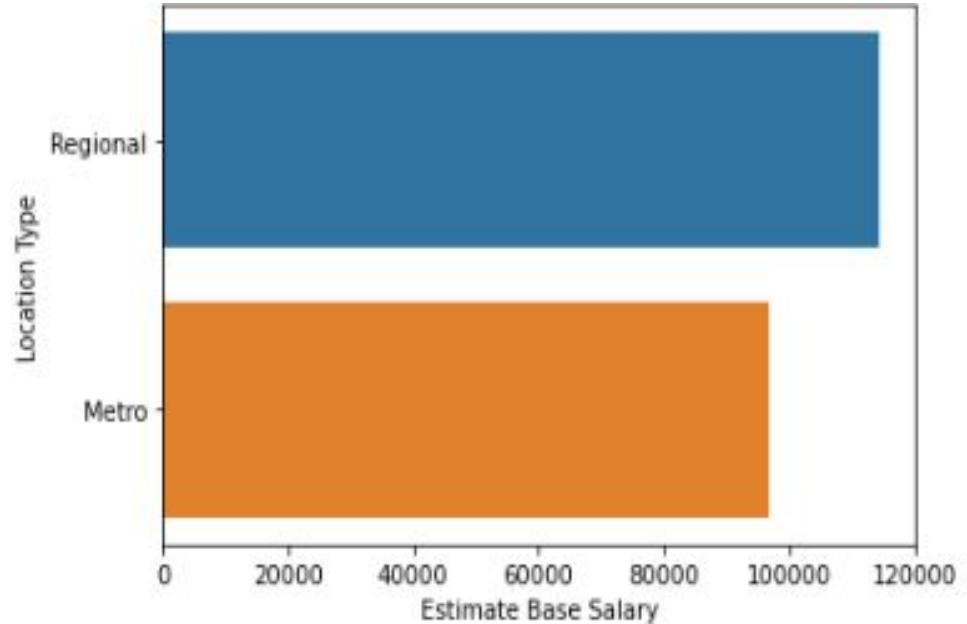


# Job Location with Highest Base Salary

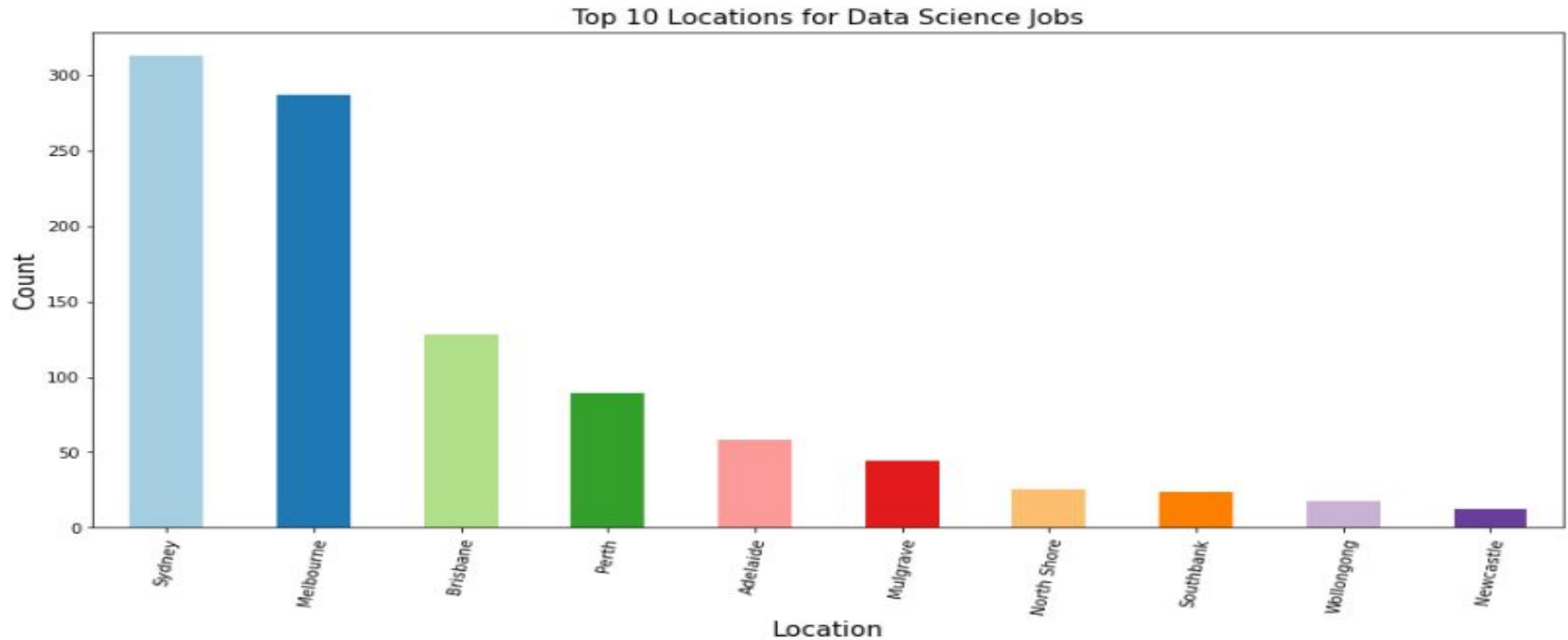


# Metro or Regional?

Should I invest in a  
V-line pass?



# Locations with Maximum Opportunities

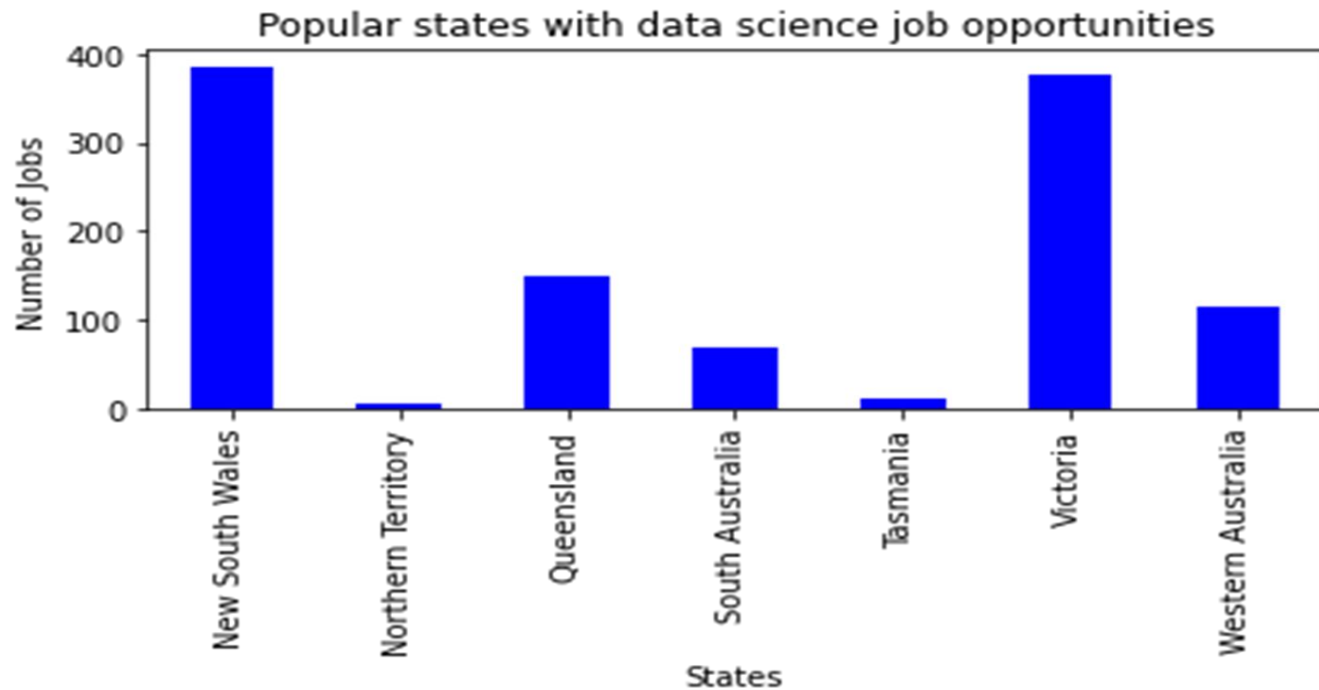


# Objectives

- Popular states for data science job opportunities.
- Company types vs salaries.
- Company types vs job opportunities.
- Company size
- Divide the Estimate base salary in Lower, Medium and Higher
- Create charts based on the analysis

# Most Popular State

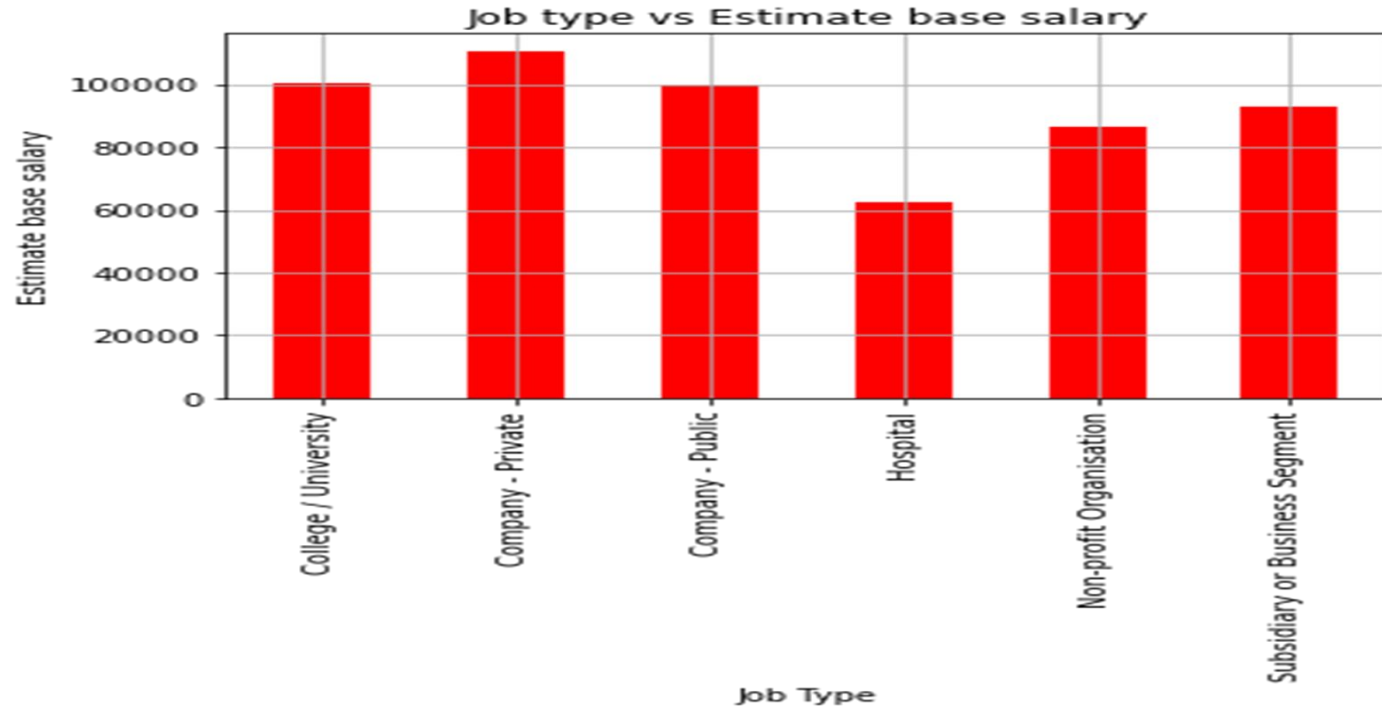
Winner: NSW





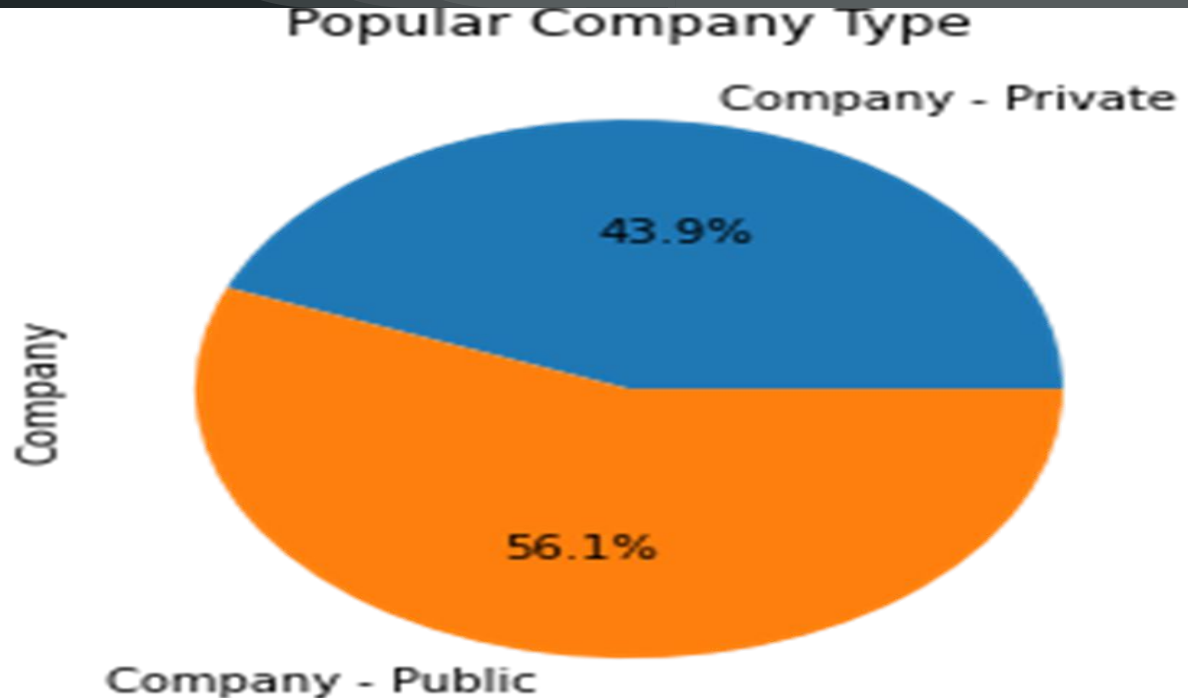
# Job Type & Estimate Base Salary

**Private:** Higher salaries



# Popular Company Type

**Public Company:**  
Highest job  
opportunity

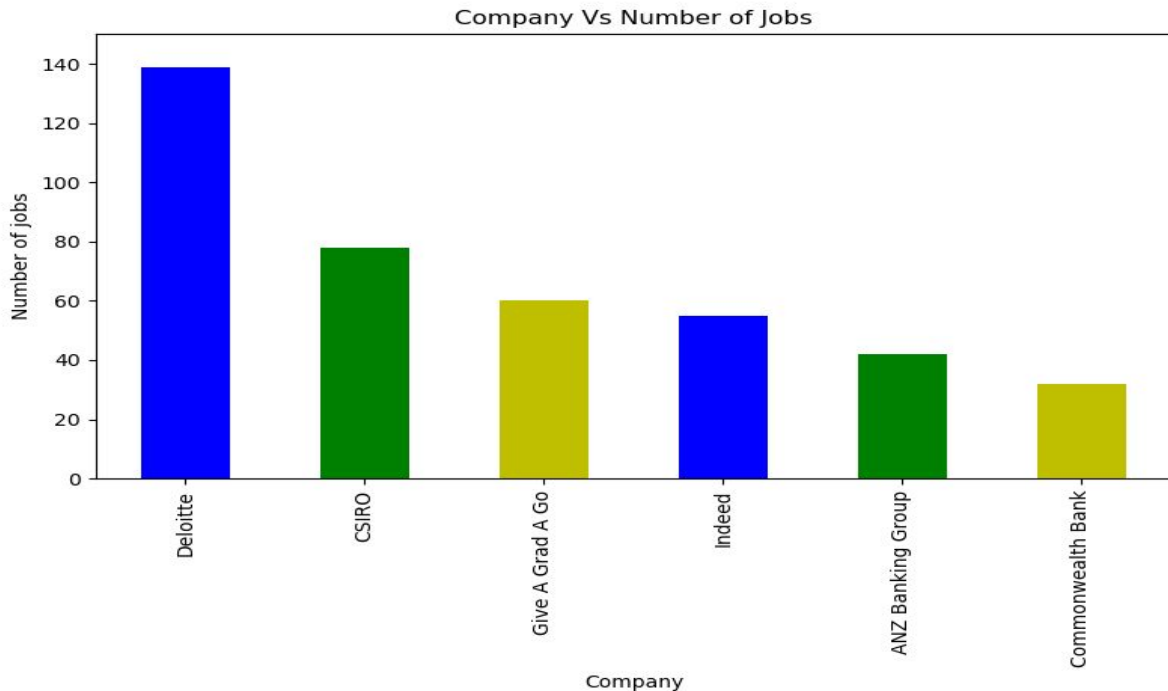


# Objectives

- Top Companies in Terms of Number of Jobs
- Companies With the Greatest Average of Estimated Low Salary
- Companies With the Greatest Average of Estimated Base Salary
- Companies With the Greatest Average of Estimated High Salary
- Top 3 Unique Job Titles and Their Salary Comparison
- Top 5 Job Titles in Terms of Salary
- Bottom 5 Job Titles in Terms of Salary
- Top 10 in Demand Skills by the Companies

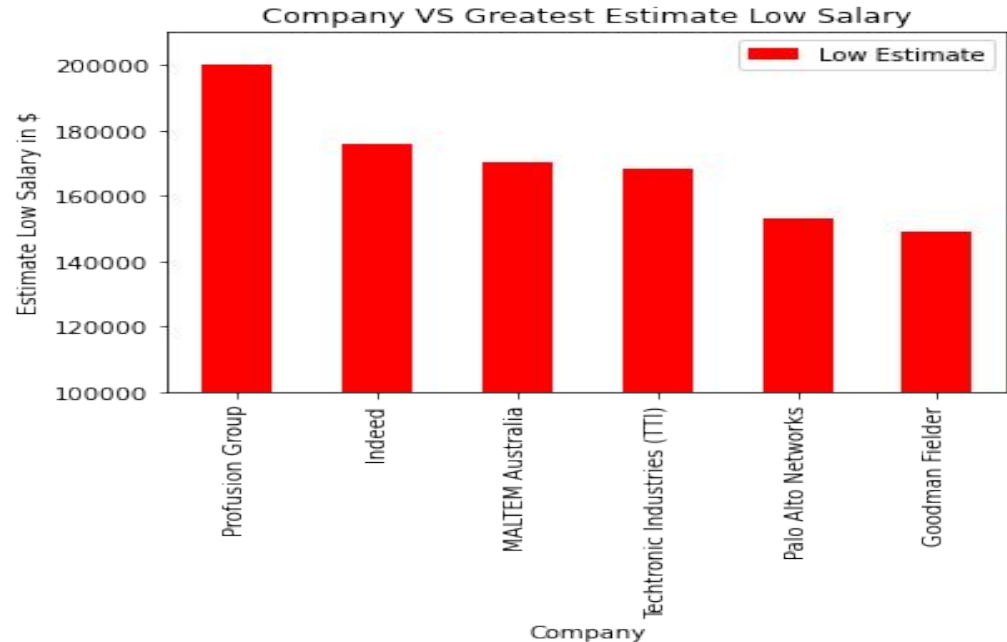
# Top Companies with Max Number of Jobs

- 1: Deloitte
- 2: CSIRO
- 3: Give A Grad A Go
- 4: Indeed
- 5: ANZ Banking Group
- 6: Commonwealth Bank



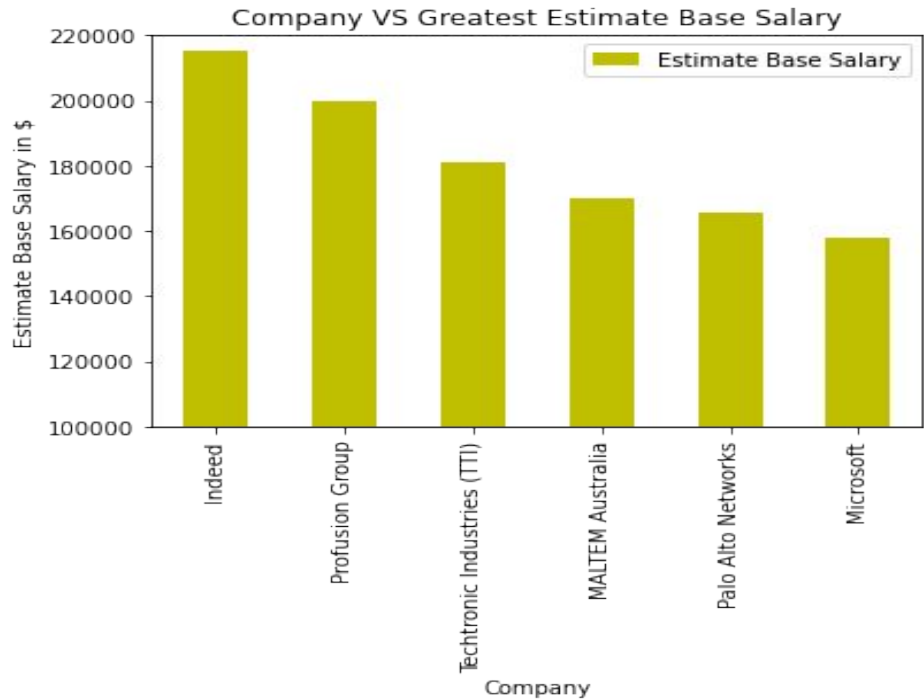
# Companies With the Greatest Average of Low Salary

- 1: Profusion Group
- 2: Indeed
- 3: MALTEM Australia
- 4: Techtronic Industries(TTI)
- 5: Palo Alto Networks
- 6: Goodman Fielder



# Companies With the Greatest Average of Base Salary

- 1: Indeed
- 2: Profusion Group
- 3: Techtronic Industries(TTI)
- 4: MALTEM Australia
- 5: Palo Alto Networks
- 6: Microsoft



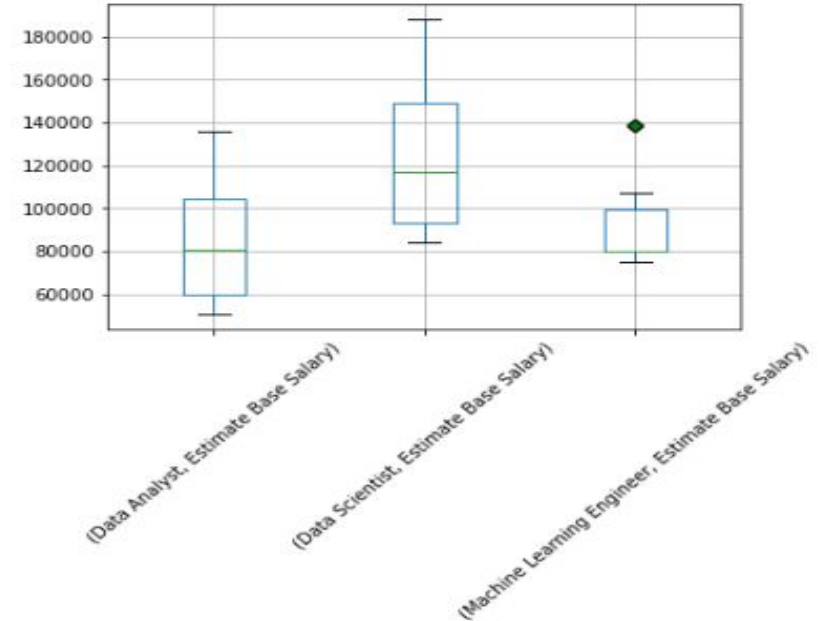
# Companies With the Greatest Average of High Salary

- 1: Indeed
- 2: Profusion Group
- 3: United Nations
- 4: Techtronic Industries (TTI)
- 5: Palo Alto Networks
- 6: Neamap



# Top 3 Unique Job Titles & Their Salary Comparison

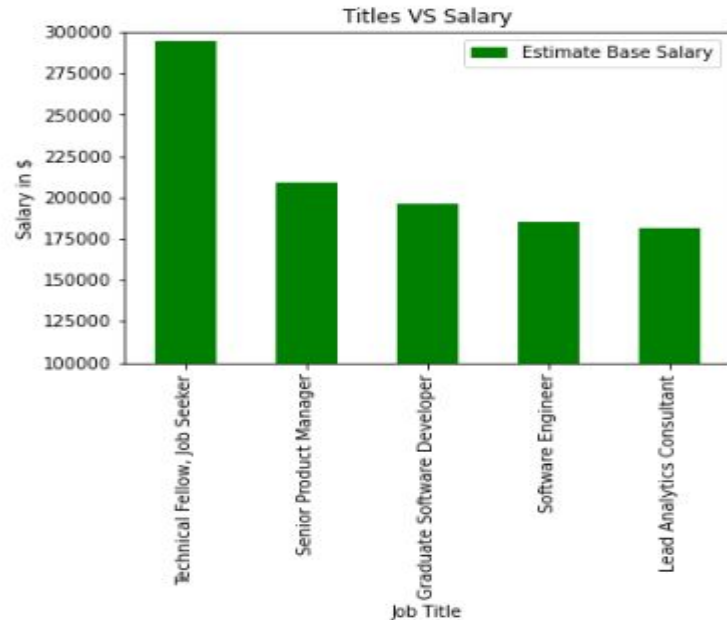
- 1: Data Scientist
- 2: Data Analyst
- 3: Machine Learning Engineer





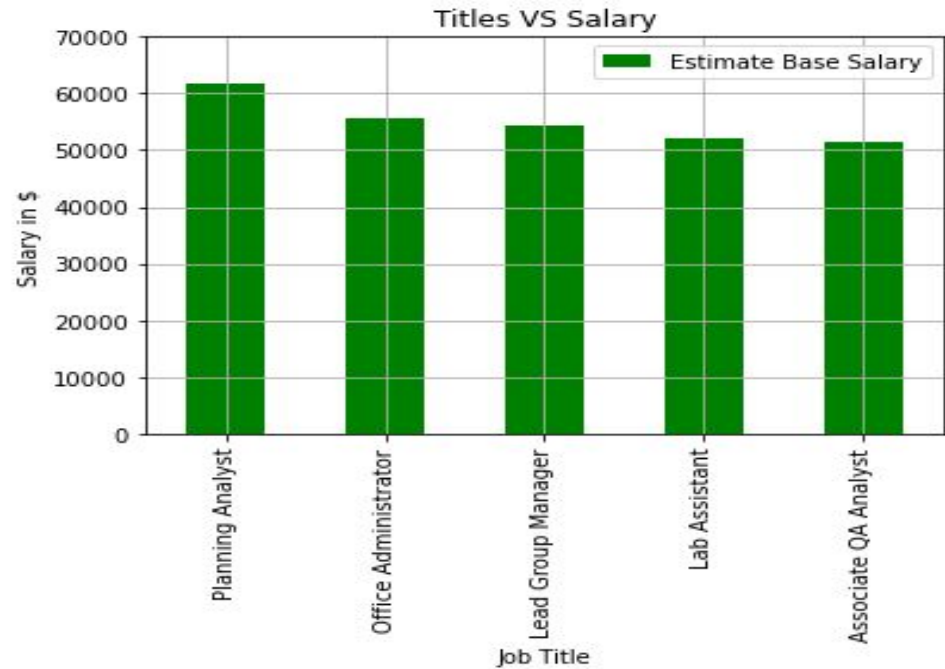
# Top 5 Job Titles in Terms of Salary

- 1: Technical Fellow
- 2: Senior Product Manager
- 3: Graduate Software Developer
- 4: Software Engineer
- 5: Lead Analytics Consultant



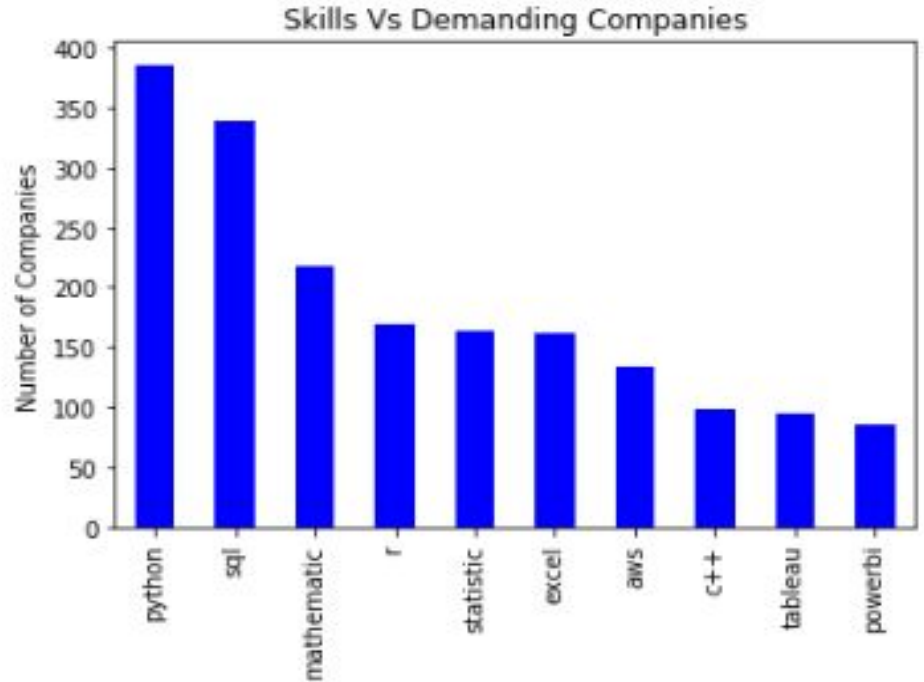
# Bottom 5 Job Titles in Terms of Salary

- 1: Planning Analyst
- 2: Office Administrator
- 3: Lead Group Manager
- 4: Lab Assistant
- 5: Associate QA Analyst



# Top 10 in Demand Skills

- 1: python
- 2: sql
- 3: mathematic
- 4: r
- 5: statistic
- 6: excel
- 7: aws
- 8: c++
- 9: tableau
- 10: powerbi



# Conclusion

- We can conclude that compensation and benefit drives company ratings, strong linear regression between the two is a proven fact.
- It is also evident that jobs have a higher base salary in regional locations even though there are more opportunities in metro locations.
- We can also analyze that private companies pay higher but public companies have more number of jobs on an average.
- More you're skilled, more will be the opportunities for you

thank you!