

IPM652: Final Group Presentation

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Part 1

INTRODUCTION



**#We analyzed LinkedIn job postings
to offer new graduates a comprehensive analysis,
enabling them to find a job
that aligns better with their skills and preferences**



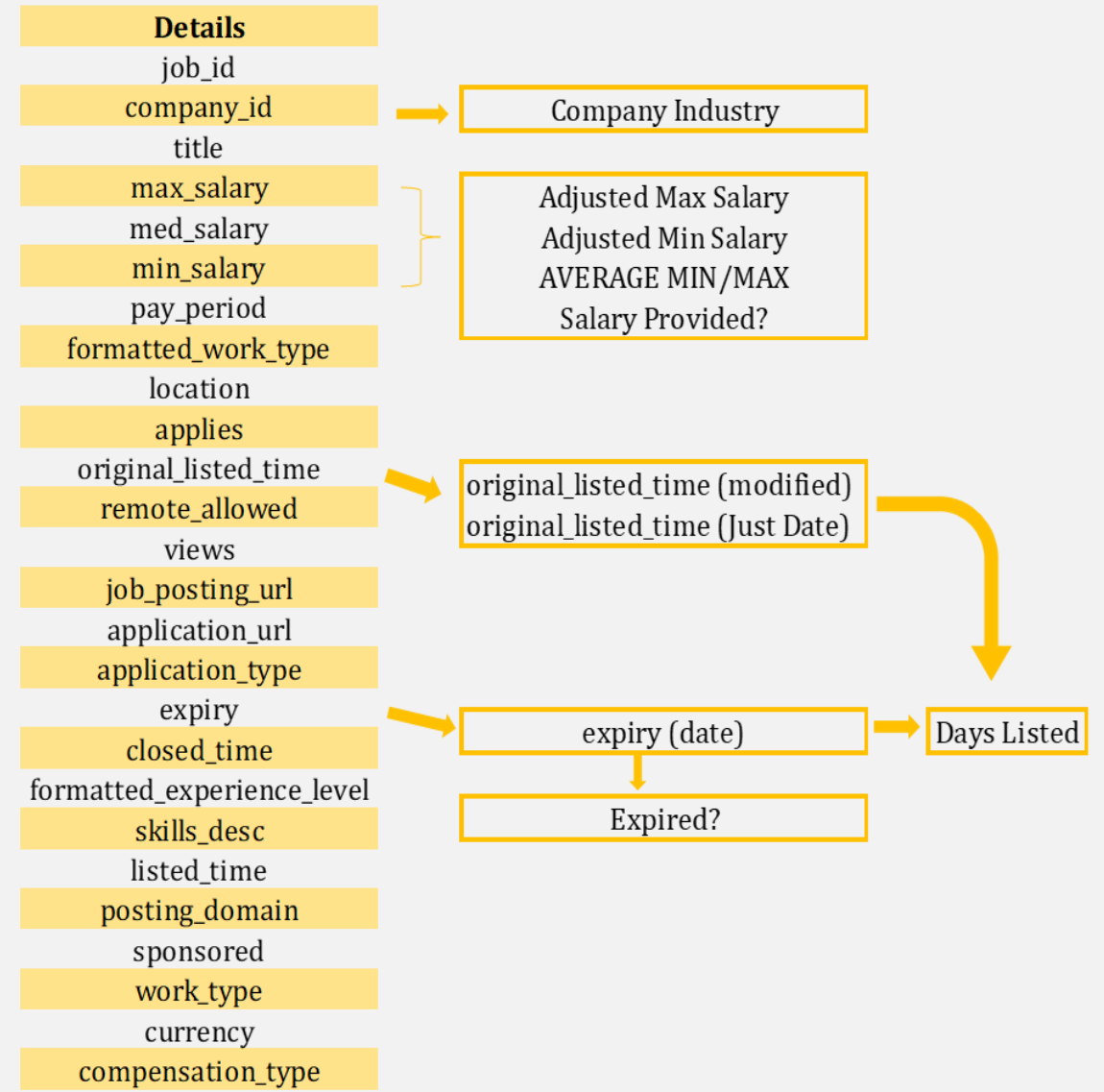
Part 2

DATA COLLECT & CLEAN UP

DATA COLLECT & CLEAN UP

DATASET : LinkedIn Job Postings - 2023

- Kaggle Dataset
- Range : June – August 2023
(33,000+ Datapoints)





Part 3

ANALYSIS

ANALYSIS

- Salary by Industry
- Job Types and Flexibility

Salary Analysis

Industry Analysis

- Geographical Job listings
- Average Compensation by State

Geography Analysis

- Most Competitive Industries
- Most Competitive Job Postings
- Overview of Job Skills in Demand
- Most In-Demand Skills
- Hiring Velocity

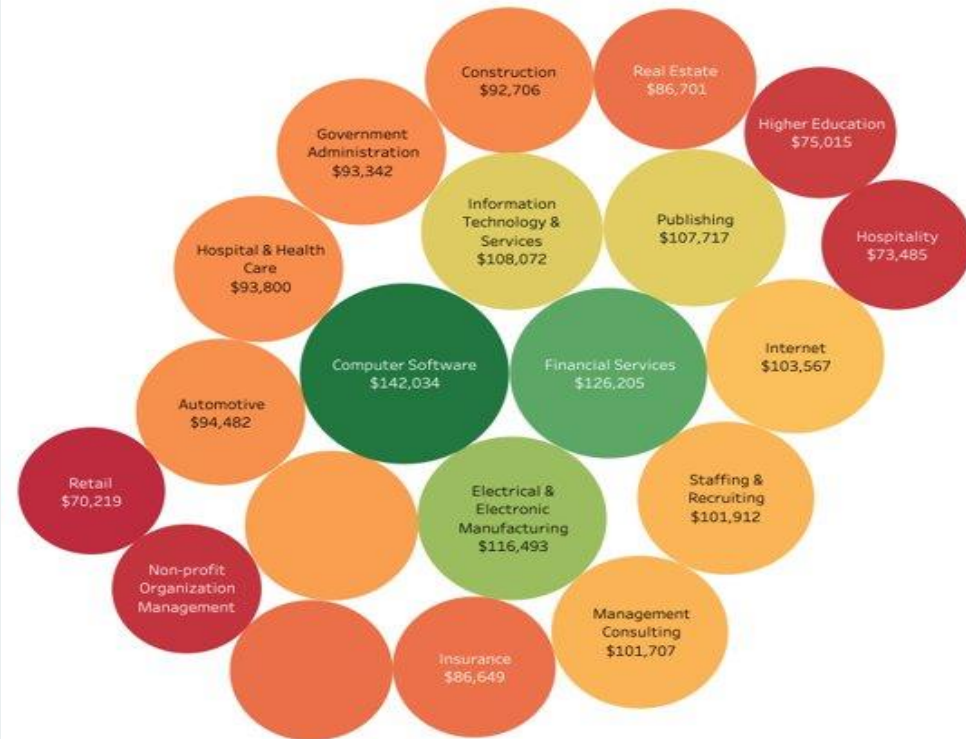
ANALYSIS

Salary Analysis

Salary by Industry

- Top salaries fall within Computer Software, Financial Services and Electronic & Electronic Manufacturing Industries
- **Recommendation:**
Cater skills and knowledge towards these industries

Avg. Full-Time and Contract Salary by Industry

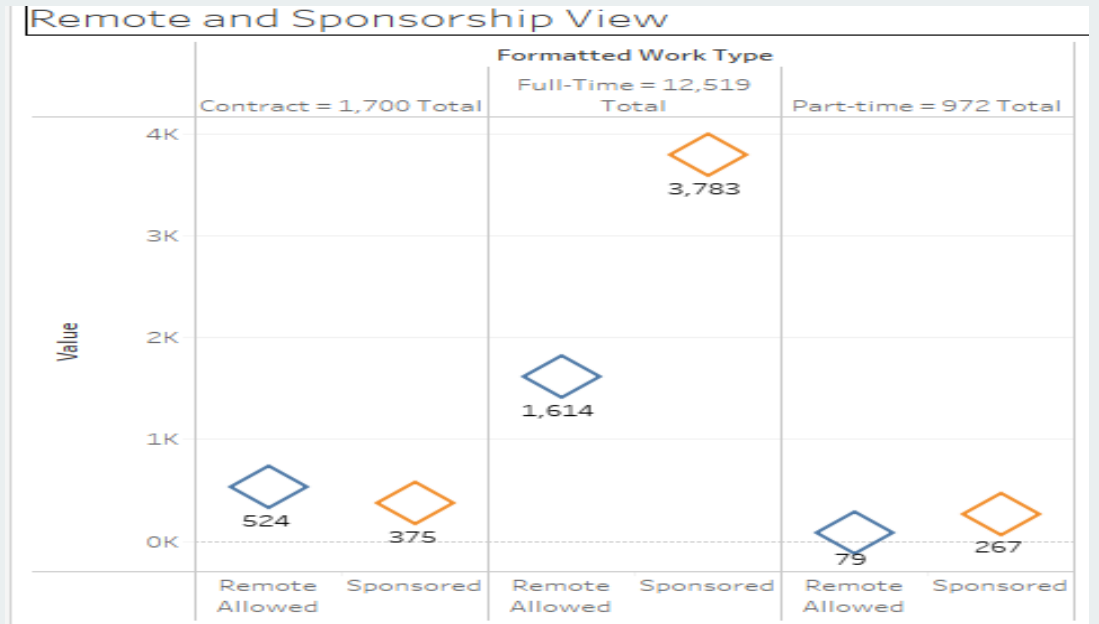


ANALYSIS

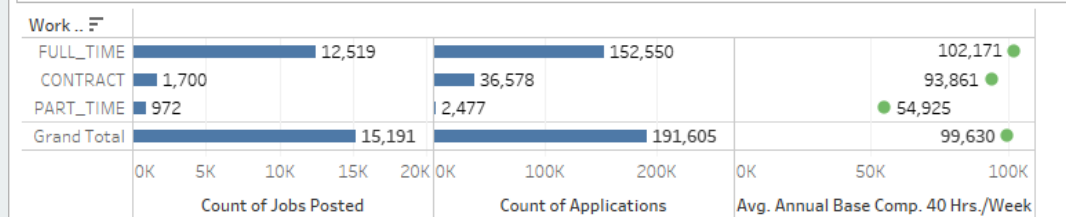
Job Types and Flexibility

Job Types and Flexibility

- 98%+ of postings = Full-time, Contract or Part-time (Temporary, Interns, Other < 2%)
- Avg. Annual Comp:
 - Full-time \$102K + Benefits (approx. 25 – 35%)
 - Contract \$ 94K no benefits
 - Part-Time \$ 55K if 40-hour week
- H1B1 Sponsorship** is advertised as available for 30% of full-time positions, 27% of part-time postings and 22% of contract roles
- WAH** is advertised on 13% of full-time, 8% of part-time, and **31% of contract roles**



Work Type Analysis

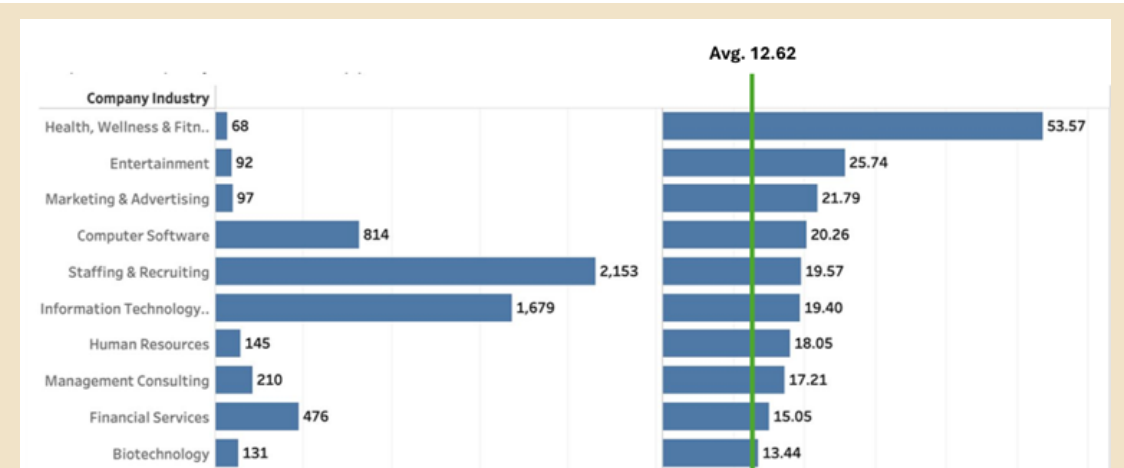


ANALYSIS

Industry Analysis

Most Competitive Industries

- On average, a job posting gets 12.6 applies
- **Conclusion:**
These industries require applicants to stand out
- **Recommendation:**
 - Strong networking
 - Learn key skills
 - Make your resume stand out



The most competitive industries are

- Staffing & Recruiting
- Information Technology
- Computer Software
- Financial Services
- Management Consulting
- Human Resources
- Biotechnology
- Marketing & Advertising
- Entertainment
- Health, Wellness & Fitness

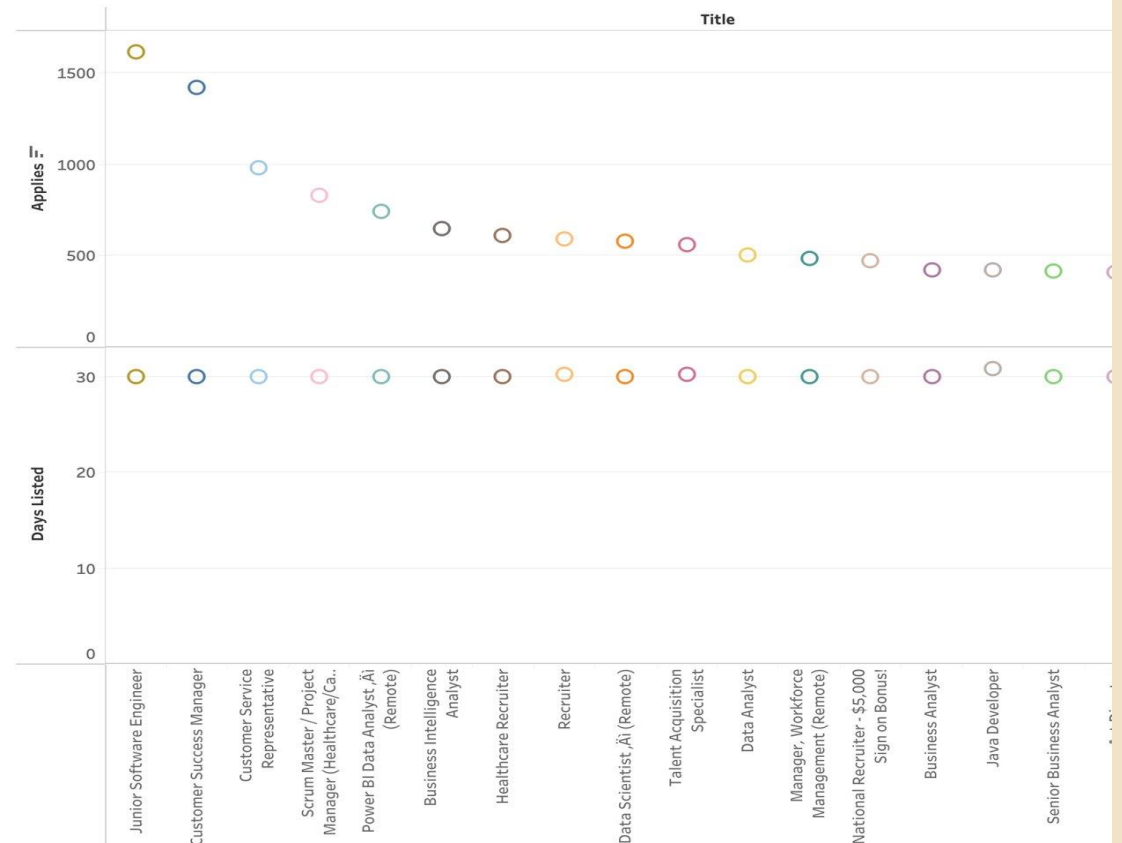
ANALYSIS

Industry Analysis

Most Competitive Job Postings

- Top 20 most applied to Job postings by applies show that on average, **jobs are live for 30 days**
- These roles show a common theme in requiring **hard skills**, such as analytics and engineering, as well as **interpersonal skills**, communication and selling
- **Conclusion:**
Jobs on average are live for 30 days and most sought after jobs require technical skills
- **Recommendation:**
 - Track when jobs were posted to understand time constraint
 - Make sure your resume strongly presents necessary skills

Top 20 Apply Rate Jobs



Industry Analysis

Overview of Job Skills in Demand

- **Top 5 industries that demand the most diverse skills are:**
 - Staffing & Recruiting
 - Information Technology & Services
 - Hospital & Health Care
 - Computer Software
 - Retail
- **Among all industries, the most in-demand skills are:**
 - IT technology skills
 - Sales skills
 - Management skills
 - Manufacturing skills
 - Engineering skills

Job Skills In Demand Overview

Company Industry (job!skills)											
Skill Abr	Staffin..	Inform..	Hospit..	Compu..	Retail	Financi..	Constr..	Transp..	Real Es..	Publis..	Gran..
IT	603	978	163	350	69	93	66	42	36		2,400
SALE	169	159	62	201	386	193	30	33	89	162	1,484
MGMT	187	98	118	53	230	48	146	137	114		1,131
ENG	325	374	44	221	25	32	38	25	8		1,092
BD	128	146	37	161	295	81	28	29	10	162	1,077
HCPR	219	18	758	3	25			1	1		1,025
MNFC	174	88	99	40	202	31	136	134	62		966
OTHR	92	203	174	106	135	51	24	43	31	2	861
FIN	271	76	28	21	58	180	7	13	24		678
ACCT	290	28	24	17	55	30	8	11	20		483
PRJM	131	88	17	63	9	7	41	13	12		381
MRKT	94	66	17	80	23	31	4	7	22		344
ADM	152	40	73	9	11	14	10	4	21		334
ANLS	106	82	52	9	4	24		1	1		279
RSCH	83	63	52	6	1	6		1			212
CUST	71	20	10	18	44	22		5	9		199
HR	98	25	16	18	17	9	4	4			191
ADVR	7	6		9	1	1		1		161	186
DSGN	67	43	5	15	18	3	8	5	3		167
CNSL	37	54	4	51	1	10	5		1		163
STRA	52	13	2	47	5	8	6	2	3		138
QA	43	37	1	10	3	8	2	6	13		123
ART	43	23	5	14	22	3	5	3	2		120
PRDM	31	19	6	36	3	10		2	1		108
SUPL	32	14	10	20	14		3	9	2		104
GENB	19	4	8	52	5	10	2		4		104
LGL	53	18	4	8	1	7	1	3			95
WRT	20	33	5	8	1	5		6			78
PR	19	25	7	10	1	5		5			72
EDU	12	13	13	13	6	3		1			61
TRNG	8	5	11	13	8	5		1	1		52
SCI	32	11	4	2							49
PRCH	24	3	7	2	4		2	2	1		45
PROD	26	5			1		1	3	1		37
DIST	5	1	1	18	1	1		5			32
Gran..	3,723	2,879	1,837	1,704	1,684	931	577	557	492	487	14,871

Count of Skill Abr broken down by Company Industry (job!skills) vs. Skill Abr. The view is filtered on Company Industry (job!skills), which keeps 10 of 141 members.

ANALYSIS

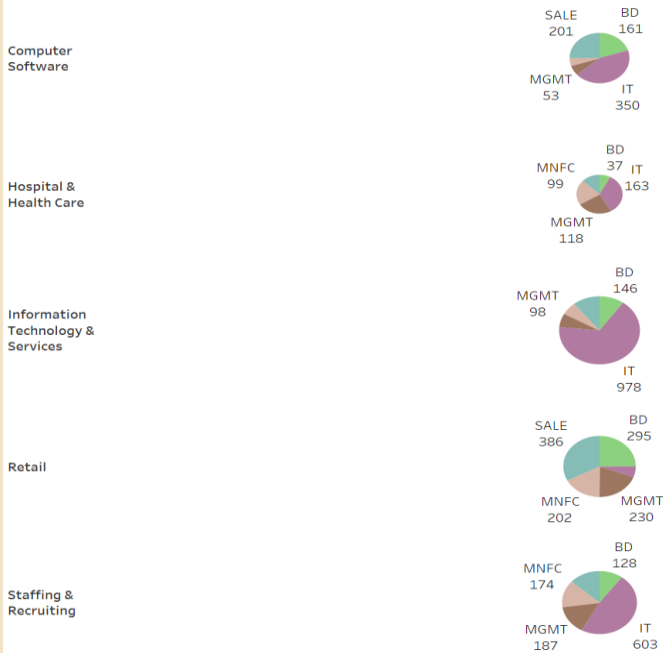
Industry Analysis

Most In-Demand Skills

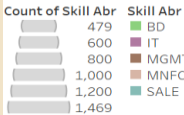
- Computer Software:**
IT skills, Sales skills, and Business Development skills
- Hospital & Health Care:**
IT skills, Management skills, and Manufacturing skills
- Information Technology & Services:**
IT skills, Business Development skills, and Management skills
- Retail:** Sales skills, Business Development skills, and Management skills
- Staffing & Recruiting:**
IT skills, Management skills, and Manufacturing skills
- Conclusion:**
Need for a blend of technical, interpersonal, and managerial proficiencies
- Recommendations for Job Seekers:**
 - Cultivate a diverse skill set tailored to industry demands
 - Prioritize continuous upskilling to stay relevant
 - Stay updated on industry trends for informed decision-making

Top 5 skills In Demand In Industries

Company In..



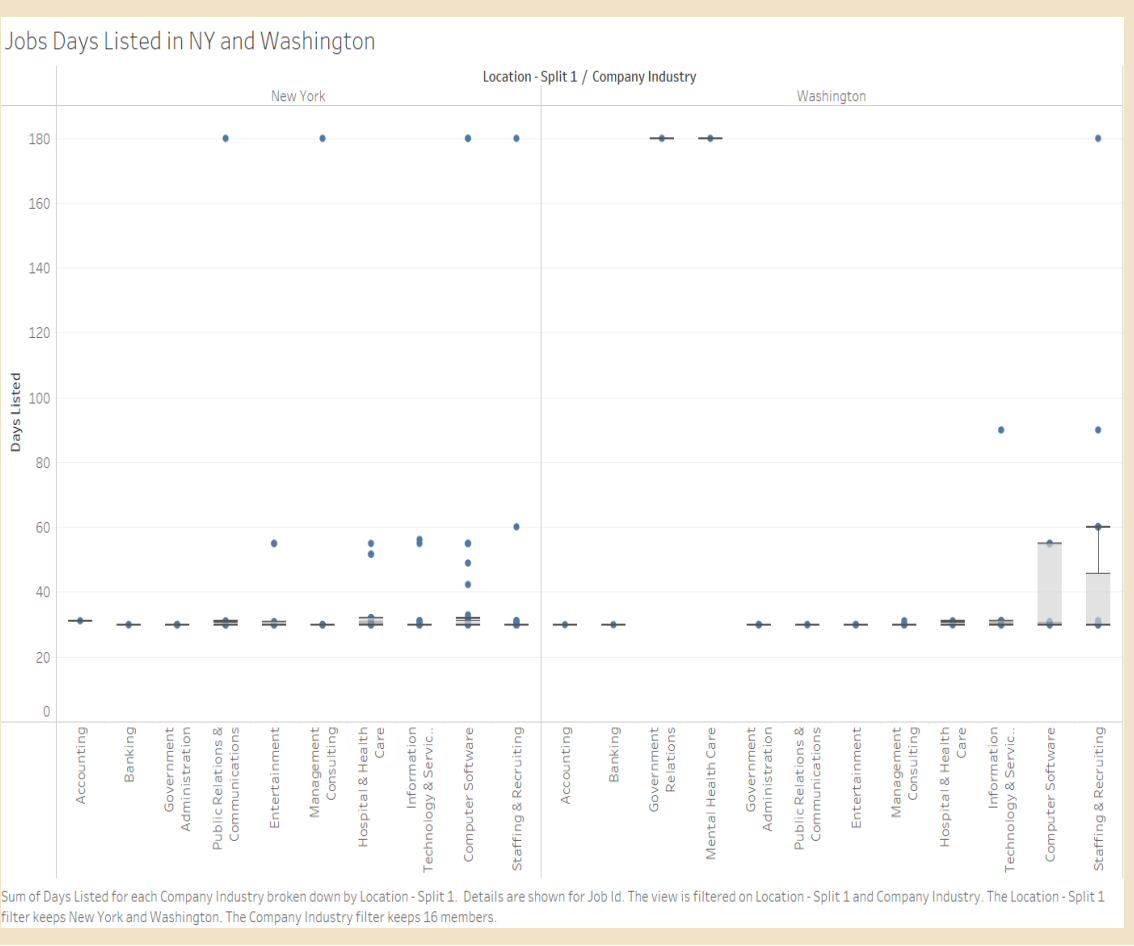
Skill Abr and count of Skill Abr broken down by Company Industry (jobskills). Color shows details about Skill Abr. Size shows count of Skill Abr. The marks are labeled by Skill Abr and count of Skill Abr. The view is filtered on Company Industry (jobskills) and Skill Abr. The Company Industry (jobskills) filter keeps Computer Software, Hospital & Health Care, Information Technology & Services, Retail and Staffing & Recruiting. The Skill Abr filter keeps BD, IT, MGMT, MNFC and SALE.



Industry Analysis

Hiring Velocity

- As the number of days, a job listing stays active increases the hiring velocity slows down
- Recommendation:**
Hiring velocity is faster in highly competitive cities

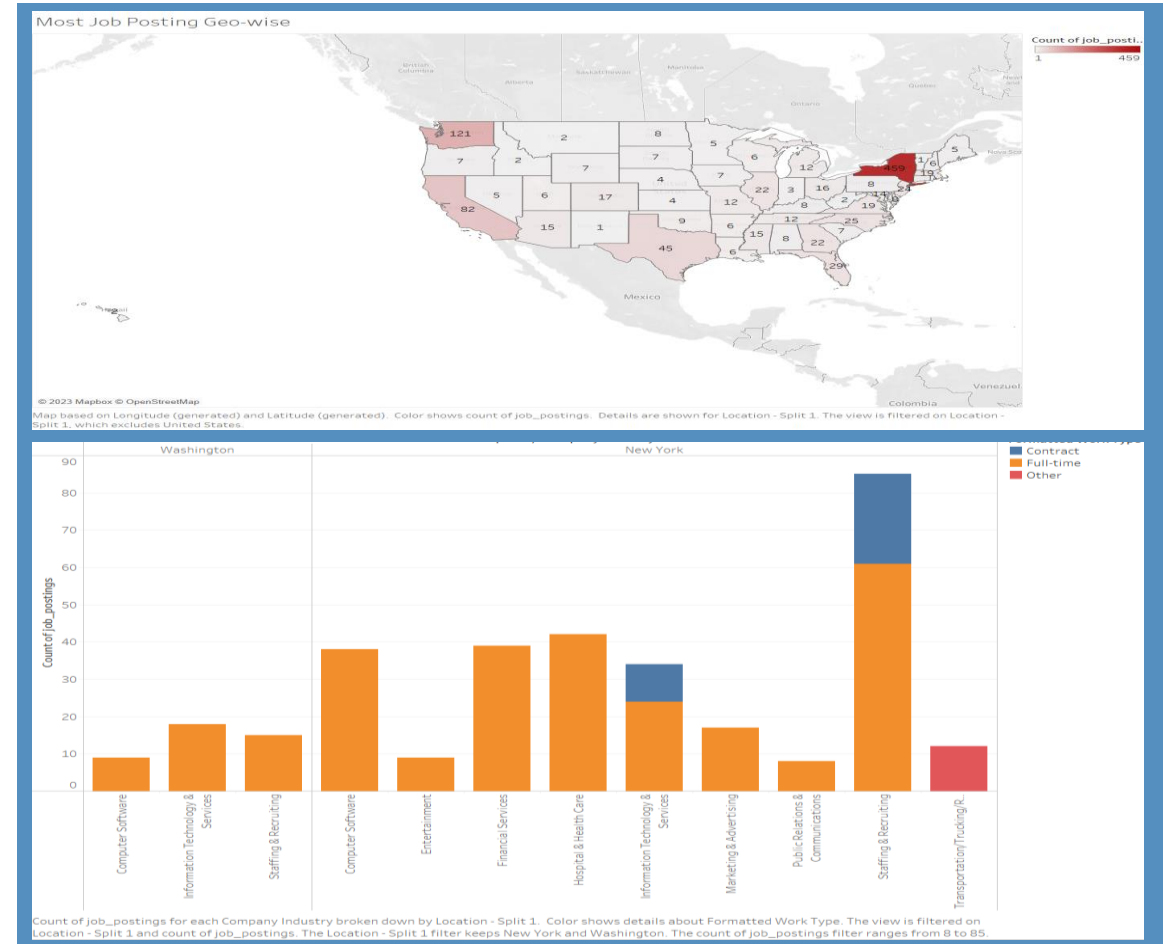


ANALYSIS

Geography Analysis

Geographical Job listings

- August saw an increase in the number of listings
- New York and Washington saw the most number of job listings
- New York shows more diverse job listings industry wise compared to Washington
- **Recommendation:**
Being in job-rich cities boosts your job consideration

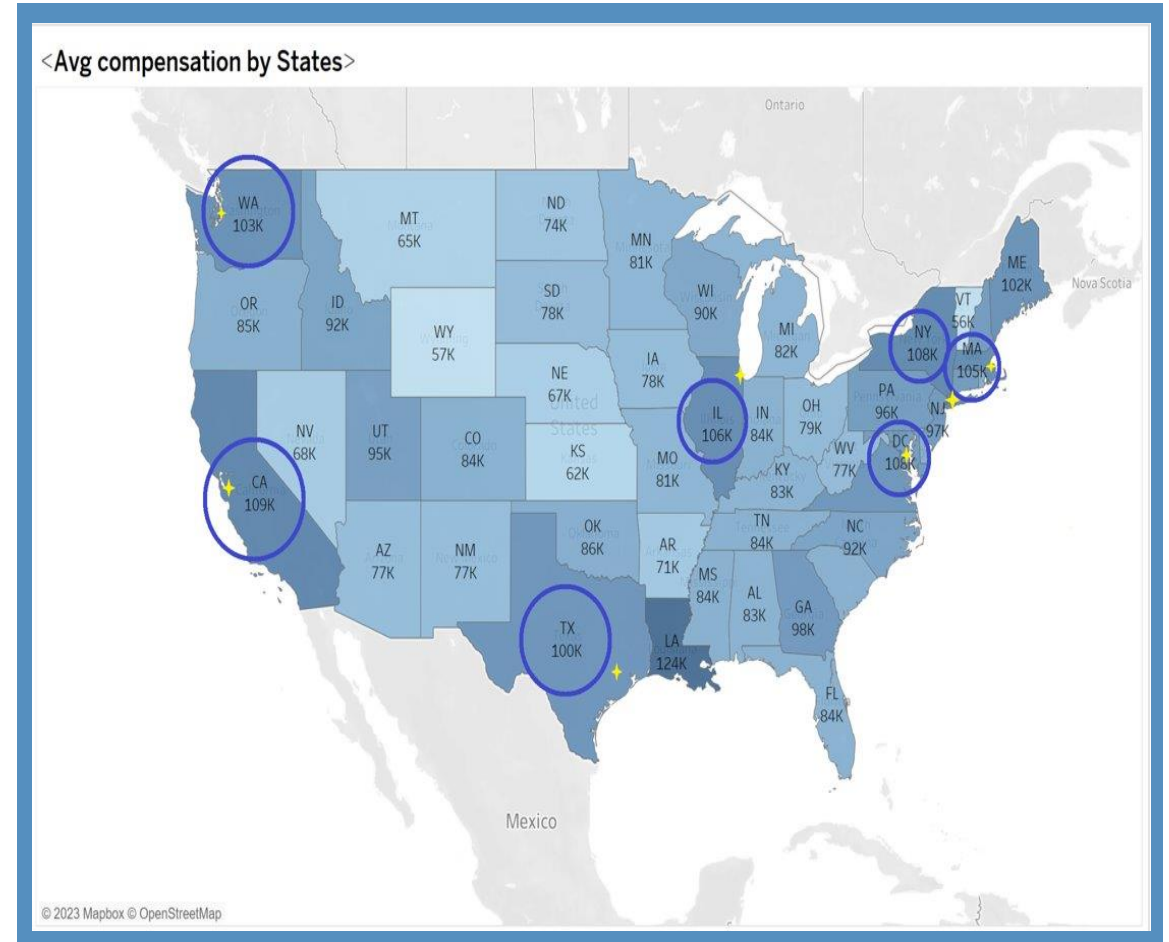


ANALYSIS

Geography Analysis

Average Compensation by State

- According census, the Income U.S (2022): **\$74,580**, while Cost Of Living :**\$40,446**.
- States exceeding 100K surpass the U.S. average income by more than **30%**, and average COL **\$48,293**, **20% higher** than the average U.S COL
- 'Louisiana' and 'Maine' were observed to exceed the 100K . COL in these two states is **\$37,737**, which is about 90% of the U.S. average COL.



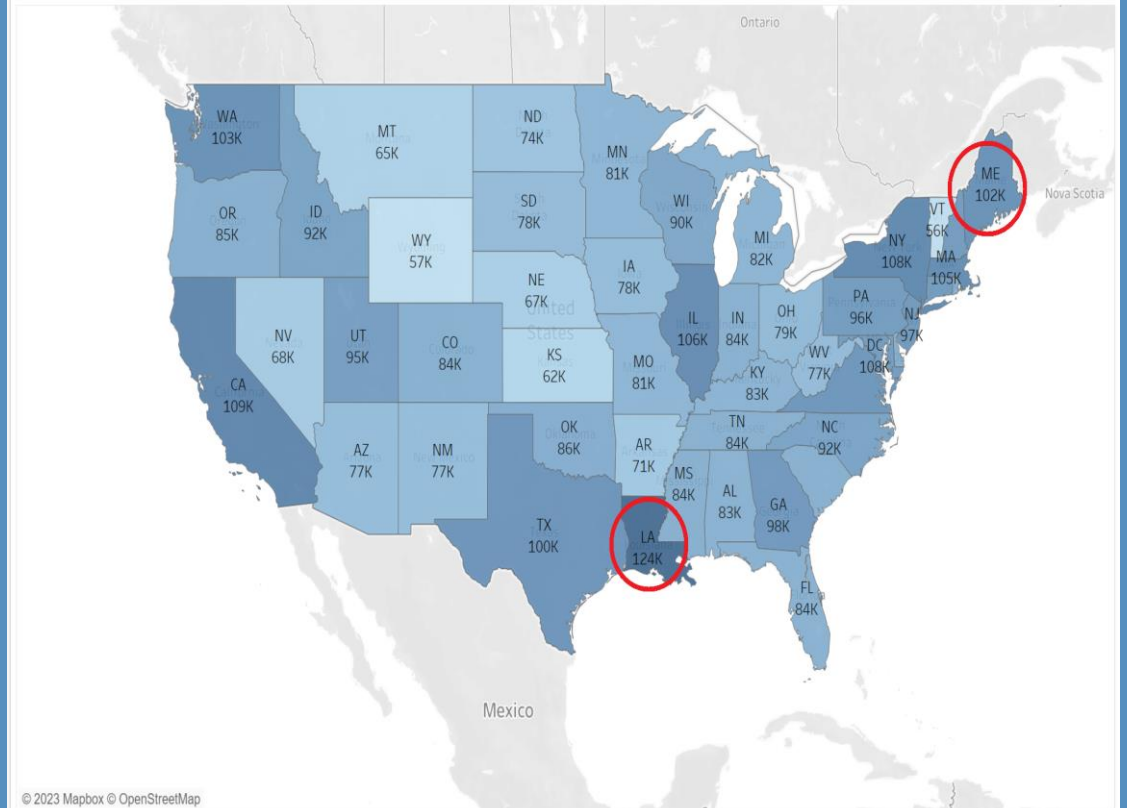
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<Avg compensation by States>





Part 4

CONCLUSION

CONCLUSION

LI = Marketplace for Professionals, Full-Time and Contract positions

Highest by Industry: Staffing & Recruiting; Information Technology; Computer Services; Financial Services; and Management Consulting

LI, though a known name brand, only a small slice of the total job market. 33K postings for 3 months

Average Annual compensation varies greatly by state,
1 – 2.5 units (50K to 125K), certainly correlated to cost of living and industry

30-day postings – Act , do not hesitate, use it

**We, (Bentley Students in IPM 652)
are positioned to Be a Force for Good in Business
and poised to compete on the Linked In Marketplace**

Q&A