LinkedIn Job Posts EDA

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Data visualization & insights

Project idea & opportunity

- **Average years of experience required in the different industries**
- **Our EDA will focus on IT services industry**
- **Peak month of job posting**
- **Direction of the labor market in the**

Questions to be answered

What are the companies that may hire T5 Bootcamp graduates?

Q1

What is the peak month of job posting?

Q2

What is the direction of the labor market?

Q3

Data gathering

LinkedIn Jobs in Saudi

Collected by data engineer Majed Al Hulayel.

Period

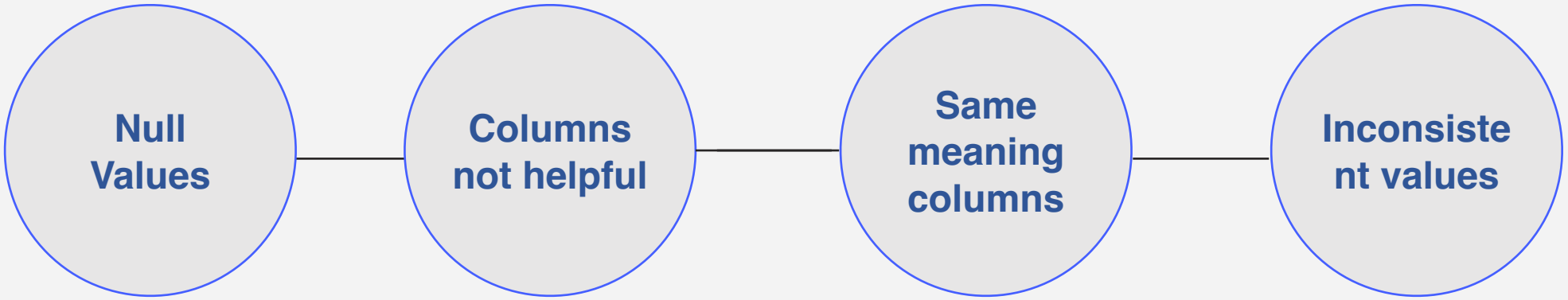
Jan 2020 to Nov 2021

Data gathering

- **13 Columns**
- **294762 Rows**

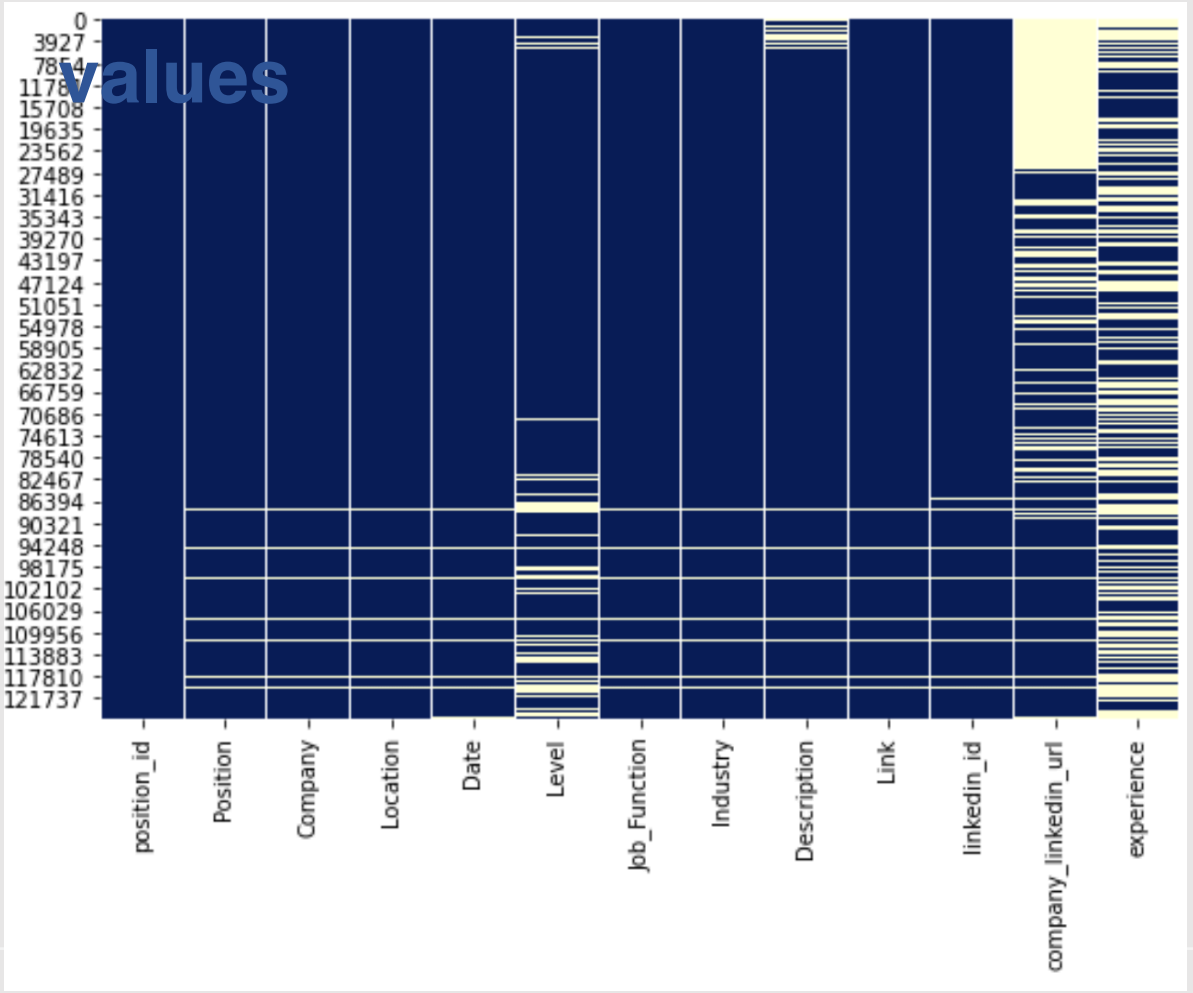
position_id	Position	Company	Location	Date	Level	Job_Function	Industry	Description	Link	linkedin_id	company_linkedin_url	experience
51791	Head of Branding Governance Unit	Riyad Bank	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Mid-Senior level	['Marketing', 'Management']	['Banking']	NaN	https://www.linkedin.com/jobs/view/1632901070/	1632901070	NaN	NaN
51792	Document Controller	Confidential,Confidential	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Associate	['']	['Government Administration']	Document Controller- (Saudi candidates only) ...	https://www.linkedin.com/jobs/view/1628497696/	1628497696	NaN	3
51793	Employee Engagement Specialist	PepsiCo	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Mid-Senior level	['Human Resources']	['Consumer Goods', 'Food & Beverages']	Auto req ID: 199735BRJob DescriptionPepsiCo Sa...	https://www.linkedin.com/jobs/view/1666951758/	1666951758	NaN	1
51794	Strategic Workforce Analyst	Saudi Air Navigation Services	Jeddah, Saudi Arabia	2020-01-06 00:00:00	Mid-Senior level	['']	['Aviation & Aerospace']	Role PurposeTo conduct workforce analysis to s...	https://www.linkedin.com/jobs/view/1671138260/	1671138260	NaN	NaN
51795	Account Manager, GPS – Riyadh	EY	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Not Applicable	['Sales', 'Business Development']	['Accounting', 'Financial Services']	In a business where are our people are our pro...	https://www.linkedin.com/jobs/view/1670725370/	1670725370	NaN	7

Data assessing &cleaning



#Visulaization of missing values

Drop all rows that have null values



Remove Columns not helpful

Remove

position_id	Position	Company	Location	Date	Level	Job_Function	Industry	Description	Link	linkedin_id	company_linkedin_url	experience
51791	Head of Branding Governance Unit	Riyad Bank	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Mid-Senior level	['Marketing', 'Management']	['Banking']	NaN	https://www.linkedin.com/jobs/view/1632901070/	1632901070	NaN	NaN
51792	Document Controller	Confidential,Confidential	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Associate	['']	['Government Administration']	Document Controller- (Saudi candidates only) ...	https://www.linkedin.com/jobs/view/1628497696/	1628497696	NaN	3
51793	Employee Engagement Specialist	PepsiCo	Riyadh, Saudi Arabia	2020-01-06 00:00:00	Mid-Senior level	['Human Resources']	['Consumer Goods', 'Food & Beverages']	Auto req ID: 199735BRJob DescriptionPepsiCo Sa...	https://www.linkedin.com/jobs/view/1666951758/	1666951758	NaN	1
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Merging two columns

Same meaning columns

position + job_function =

New column

department

'Accountant'

'Accounting/Auditing'

Accounting

Inconsistent values

Experience column include number, graduate and paragraph

NULL

graduate

2081

→ 0

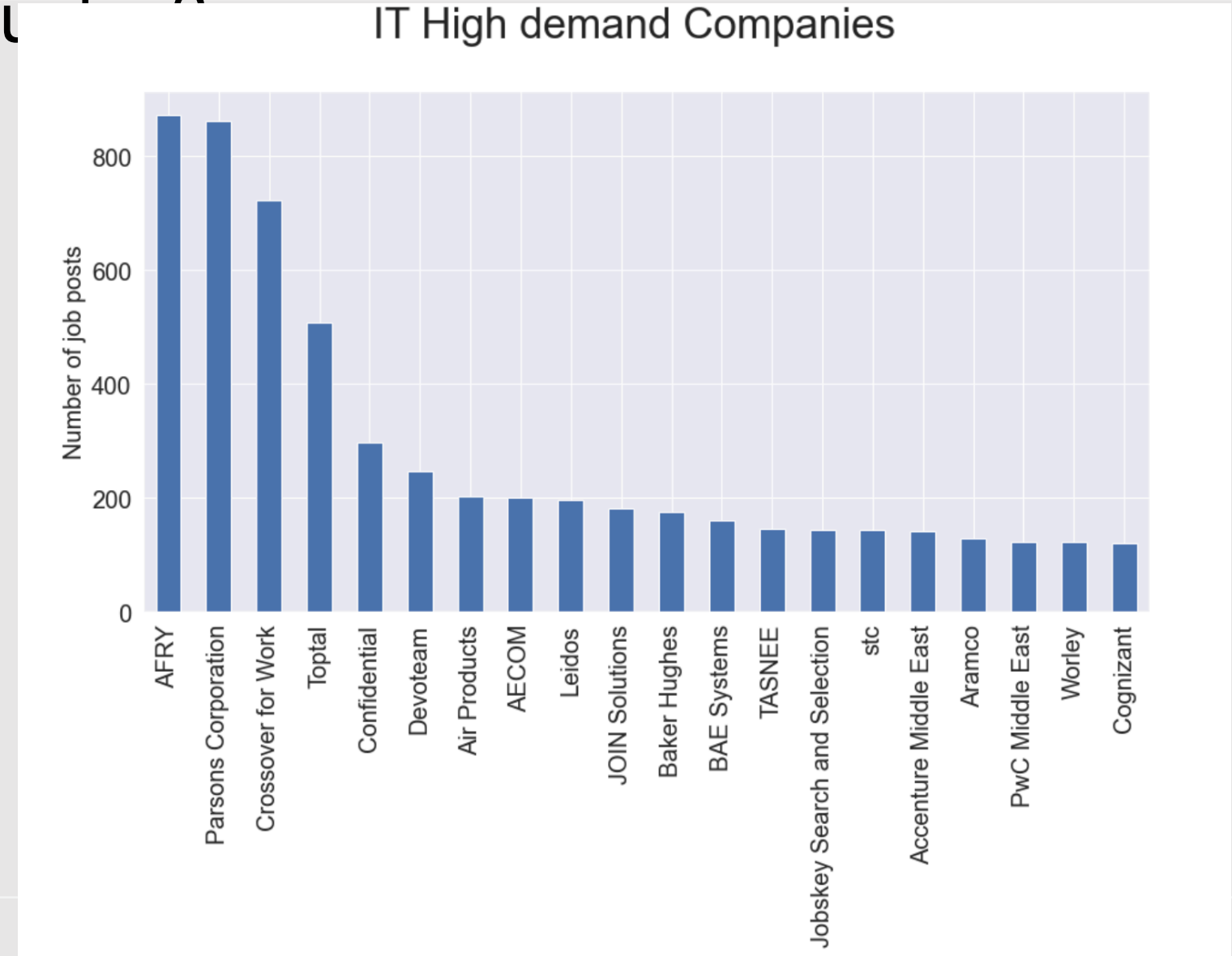
work in a fast-paced environment. Have a high-level attention to detail. Ability to work independently and to partner with others to promote an environment of teamwork.Education:Bachelor of Commerce or Similar or 4-year bachelor's degree in Finance and Accounting or similar majorExperience: At least 3 years' experience at the same role.Please send your CV to: "hr@deltaltd.sa"IndustryManagement ConsultingEmployment TypeFull-time

→ 3

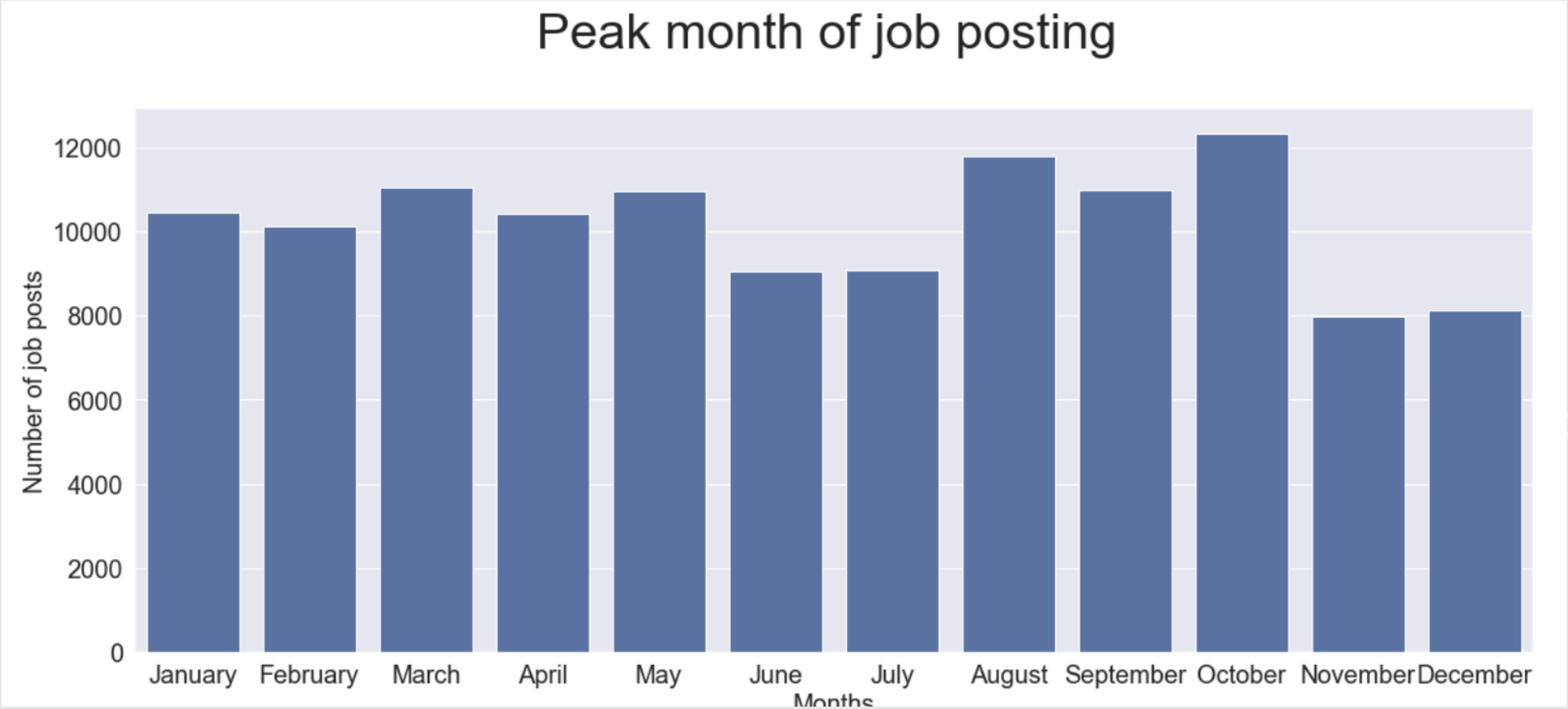
Now, Data is clean!

Data visualization & insights

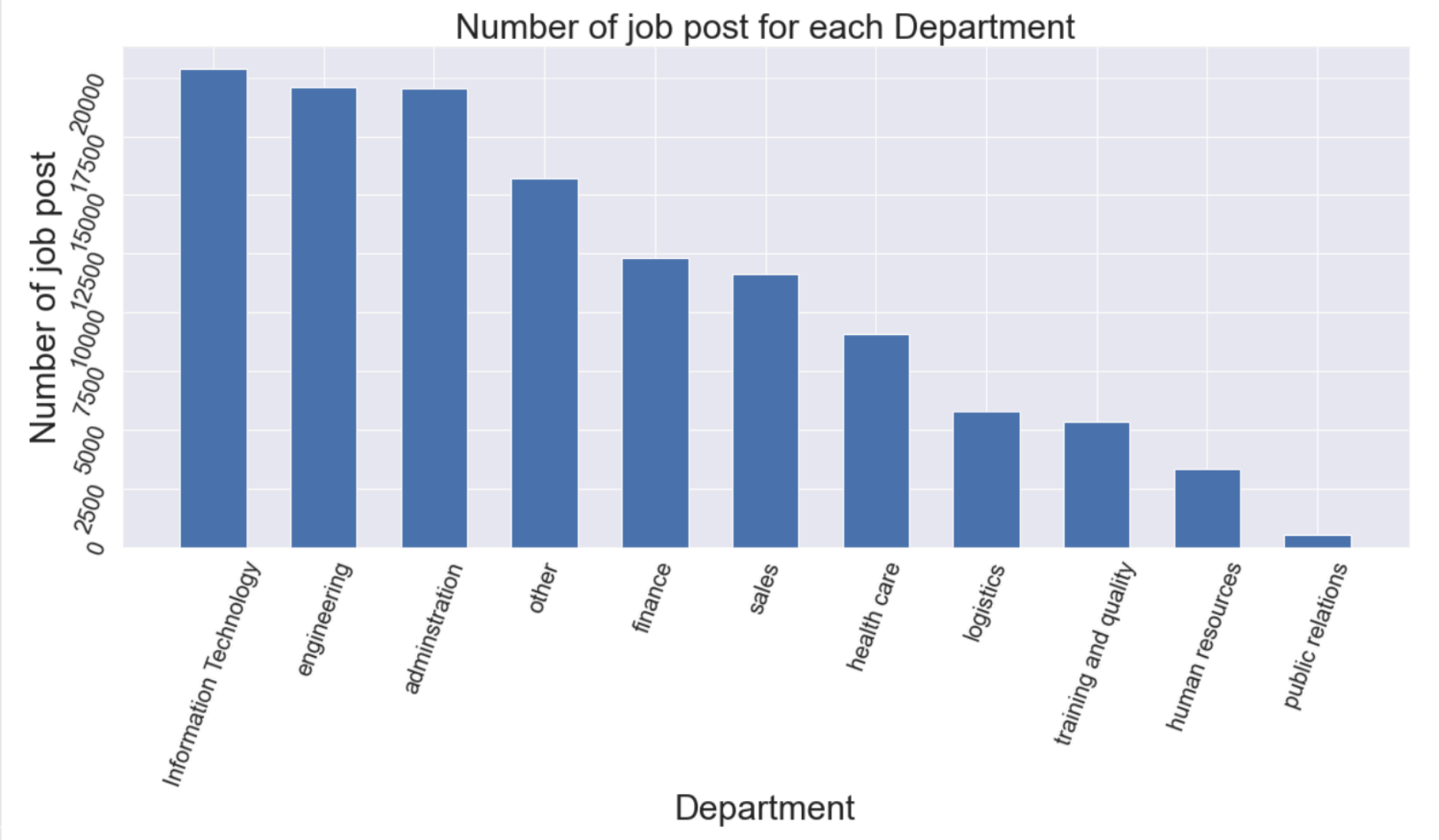
- What are the companies that may hire T5 Bootcamp gradu

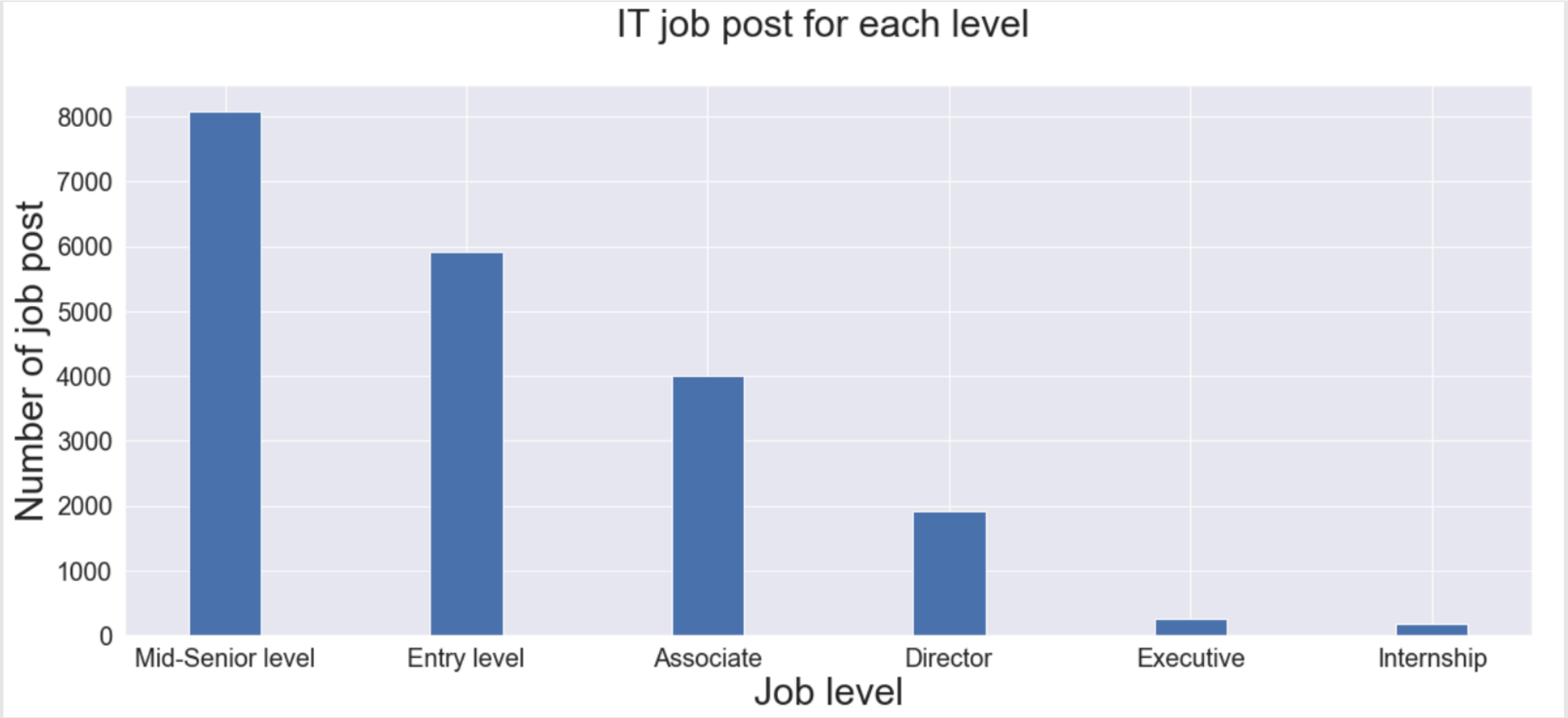


What is the peak month of job posting?



What is the direction of the labor market?




IT job post for each level
Number of job post
8000
7000
6000
5000
4000
3000
2000
1000
0
Mid-Senior level
Entry level
Associate
Director
Executive
Internship
Job level

Summary of insights

- **Labor market has high demand on IT position.**
- **IT services become a major department in different industries.**
- **The mid-senior level is the highest level in demand for different industries specially in IT department.**

Thanks !