Final presentation

BUNYAWAT BUALEK

05/07/2024

OUTLINE

- Executive Summary
- Introduction
- Methodology
- Results
  - Visualization – Charts
  - Dashboard
- Discussion
  - Findings & Implications
- Conclusion
- Appendix

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EXECUTIVE SUMMARY

- Current Technology Tred
- Future Technology Trend
- Database Desire Next Year
- Web Frame Desire Next Year
- Demographics

INTRODUCTION

- Current Technology Usage Analysis

- Future Technology Trend Analysis

- Demographics analysis

METHODOLOGY

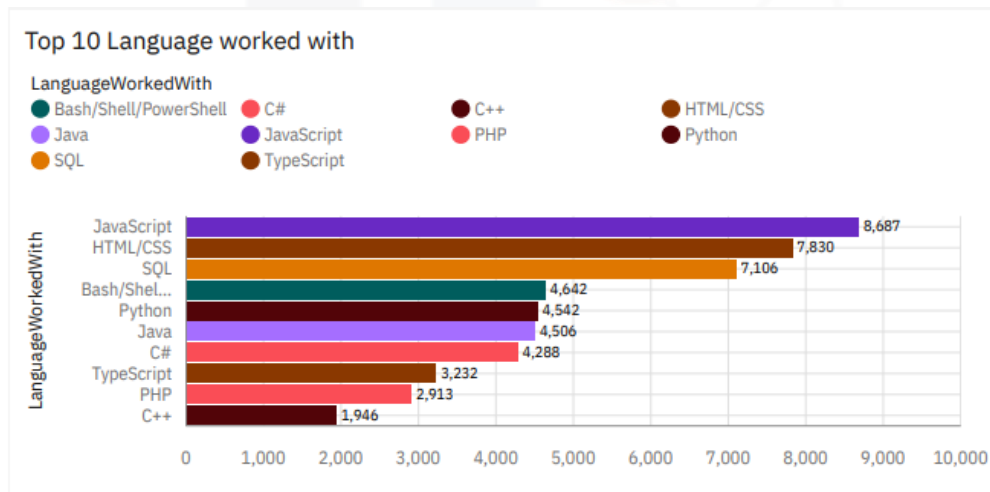- Dashboards to visualise the data

- IBM dashboard

- Insights

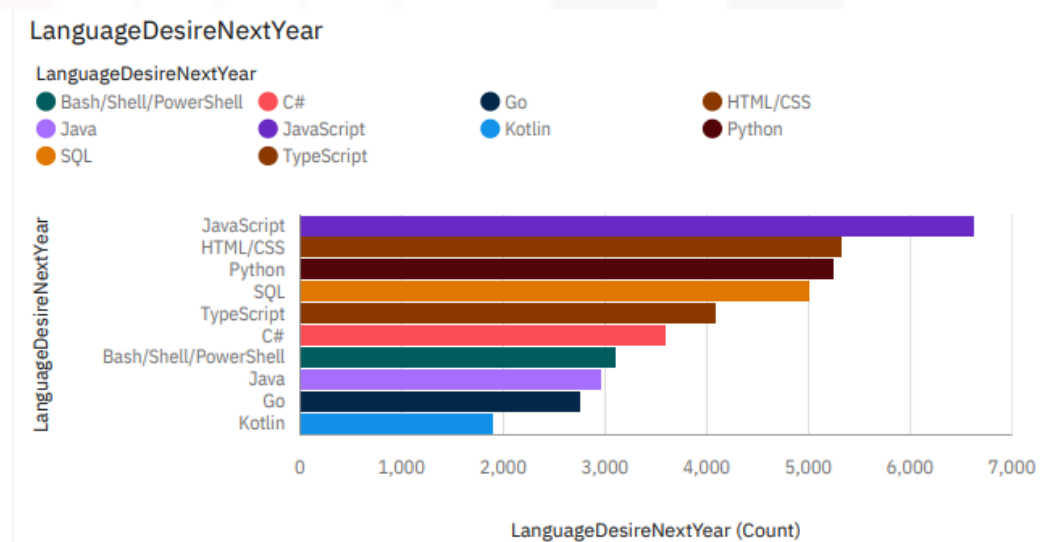# RESULTS

PROGRAMMING LANGUAGE TRENDS

Current Year

<Bar chart of top 10 programming languages for the current year:.>

Next Year

< Bar chart of top 10 programming languages for the next year:>

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PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript is the most worked with language.

- Also JavaScript is the most desired language people want to learn next year.

- In second is HTML/CSS, for both classifications.
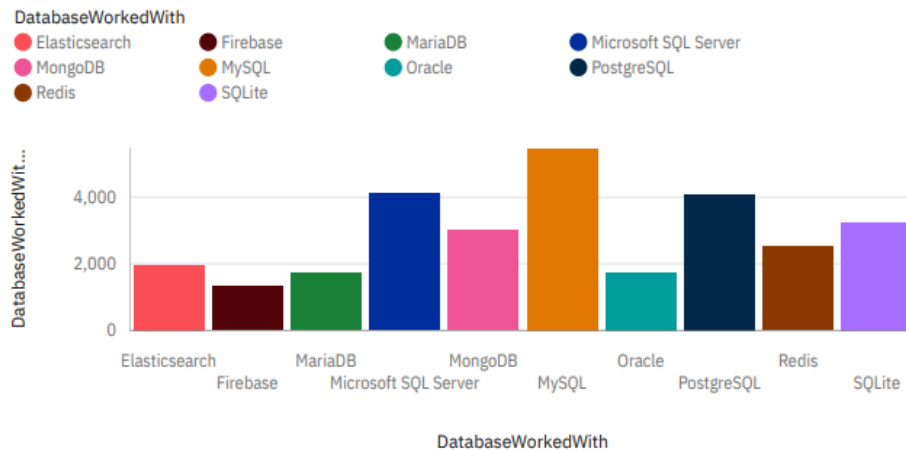
Implications

- JavaScript is still an important language to learn.

- HTML/CSS is also an important language to learn.

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DATABASE TRENDS

Current Year

Bar chart of top 10 databases for the current year:

Next Year

Bar chart of top 10 databases for the next year:

DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL is the most Database worked with, followed by PostgreSQL and Microsoft SQL Server.

- PostgreSQL is the most desired database to learn by people.

Implications

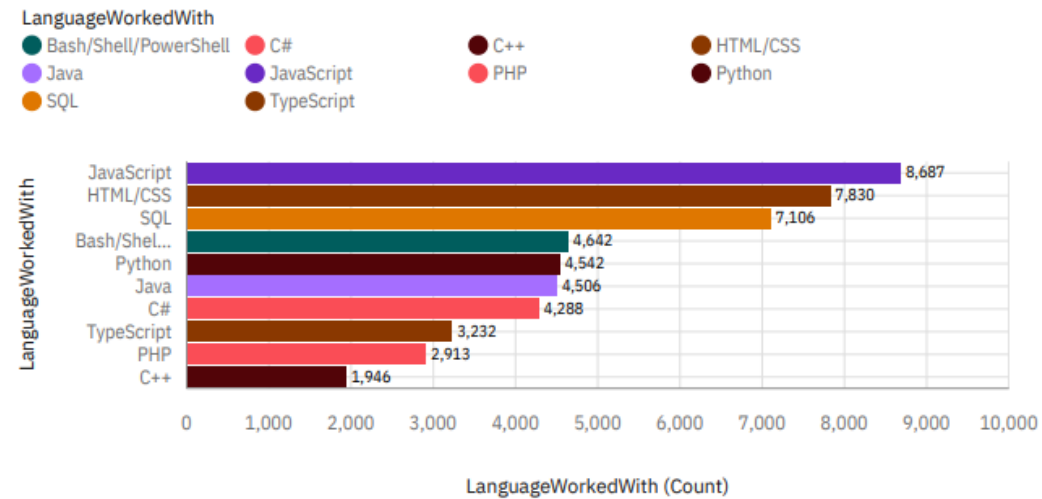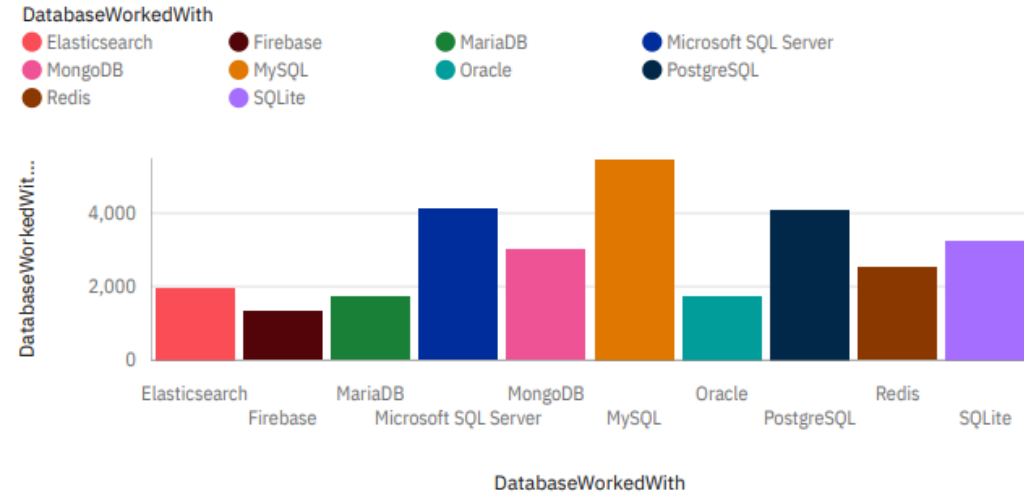- PostgreSQL is an important database to learn.

DASHBOARD

https://github.com/carol-bressan/IBM-Project/blob/main/IBM%20dashboard.pdf

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Current Technology Usage

Top 10 Language worked with

LanguageWorkedWith
- 🟢 Bash/Shell/PowerShell
- 🔴 C#
- 🔵 C++
- 🟤 HTML/CSS
- 🟣 Java
- 🟣 JavaScript
- 🔴 PHP
- 🟤 Python
- 🟠 SQL
- 🟤 TypeScript

DatabaseWorkedWith

DatabaseWorkedWith
- 🔴 Elasticsearch
- 🟤 Firebase
- 🟢 MariaDB
- 🔵 Microsoft SQL Server
- 🔴 MongoDB
- 🟠 MySQL
- 🟢 Oracle
- 🔵 PostgreSQL
- 🟤 Redis
- 🟣 SQLite

PlatformWorkedWith

PlatformWorkedWith

PlatformWorkedW... 0 — 5,811

- 🟣 (no value)
- 🟢 Arduino
- 🔴 Heroku
- 🔵 Linux
- 🟣 AWS
- 🔴 Docker
- 🔵 IBM Cloud or Watson
- 🔴 MacOS
- 🔵 Android
- 🔴 Google Cloud Platform
- 🔵 Kubernetes
- 🔴 Microsoft Azure

WebFrameWorkedWith

WebFrameWorkedWith

WebFrameWorked... 0 — 4,629

- 🟣 (no value)
- 🟤 Django
- 🔵 Flask
- 🔴 React.js
- 🟢 ASP.NET
- 🟣 Drupal
- 🟢 Laravel
- 🔴 Ruby on Rails
- 🔵 Angular/Angular.js
- 🟣 Express
- 🔴 Other(s):
- 🔴 Spring

Current Technology Usage

Future Technology Trend

LanguageDesireNextYear

LanguageDesireNextYear

- Bash/Shell/PowerShell
- C#
- Go
- HTML/CSS
- Java
- JavaScript
- Kotlin
- Python
- SQL
- TypeScript

LanguageDesireNextYear (Count)

DatabaseDesireNextYear

DatabaseDesireNextYear

- DynamoDB
- Elasticsearch
- Firebase
- MariaDB
- Microsoft SQL Server
- MongoDB
- MySQL
- PostgreSQL
- Redis
- SQLite
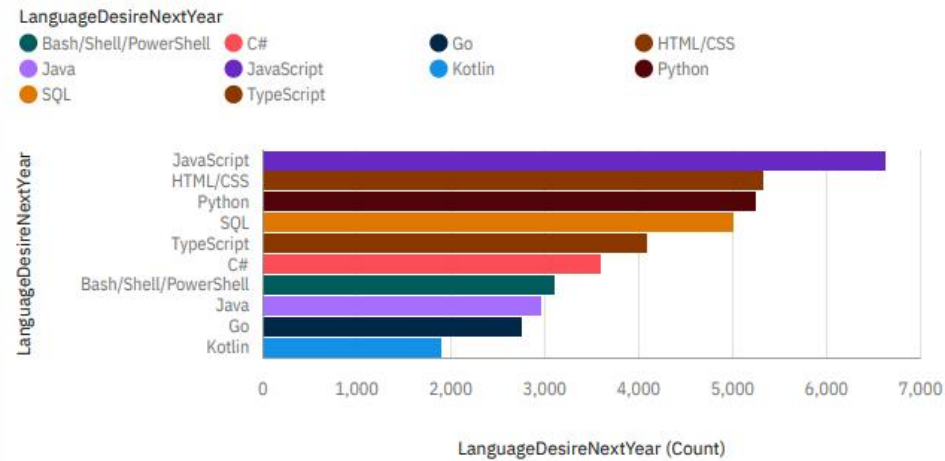
DatabaseDesireNextYear
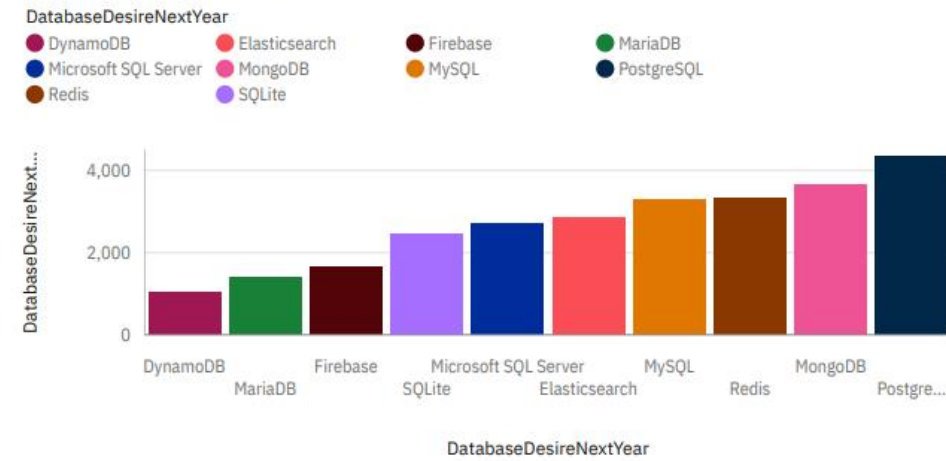
PlatformDesireNextYear

PlatformDesireNe...   PlatformDesireNe...
0   5,865   0   5,865

WebFrameDesireNextYear

WebFrameDesire...   WebFrameDesireNextYear
970   4,714
- ASP.NET
- Angular/Angular.js
- Django
- Express
- Flask
- React.js
- Ruby on Rails
- Spring
- Vue.js
- jQuery

WebFrameDesireNextYear

Current Technology Usage
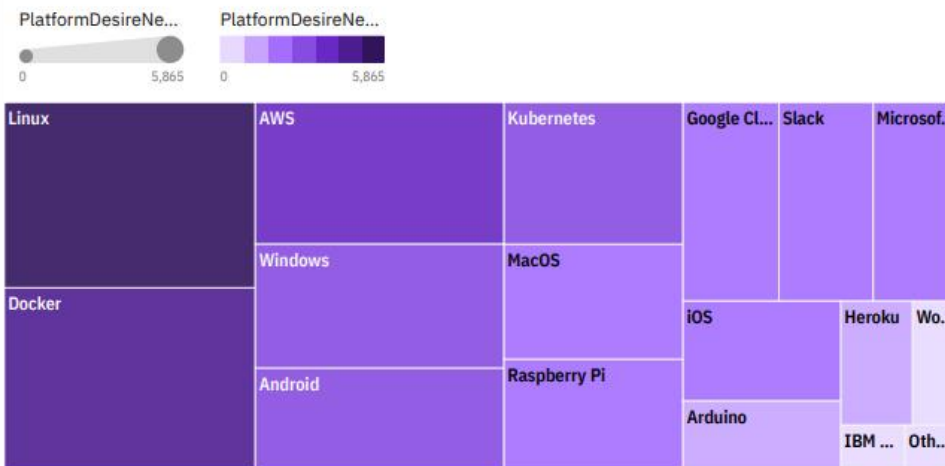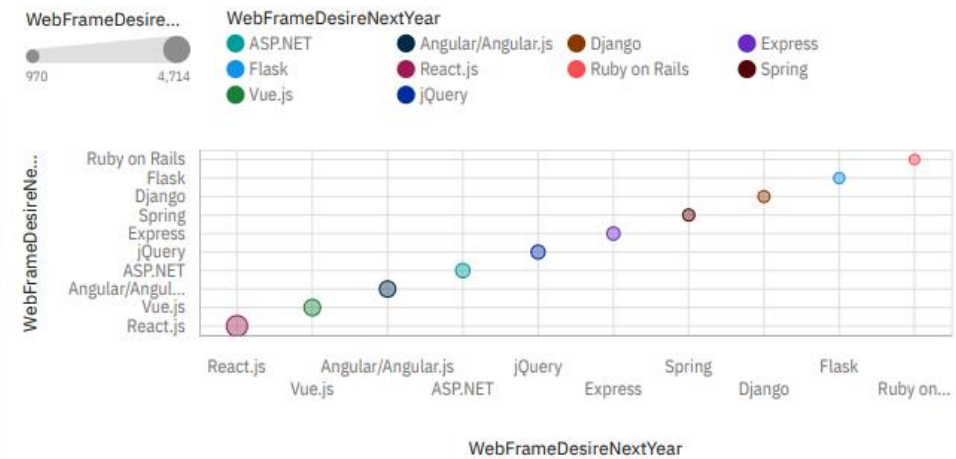
Demographics

Gender

Gender
- Wom... 6.5% ● Man 93.5%

Count by Age

Country

Country
- ● United Kingdom   ● Brazil   ● Lithuania
- ● Sweden   ● France   ● Philippines
- ● Canada   ● United States ● Romania
- ● Hungary   ● Latvia   ● Mexico

© Mapbox © OpenStreetMap

Gender by EdLevel

Gender
- ● Man   ● Woman

EdLevel (Count distinct)

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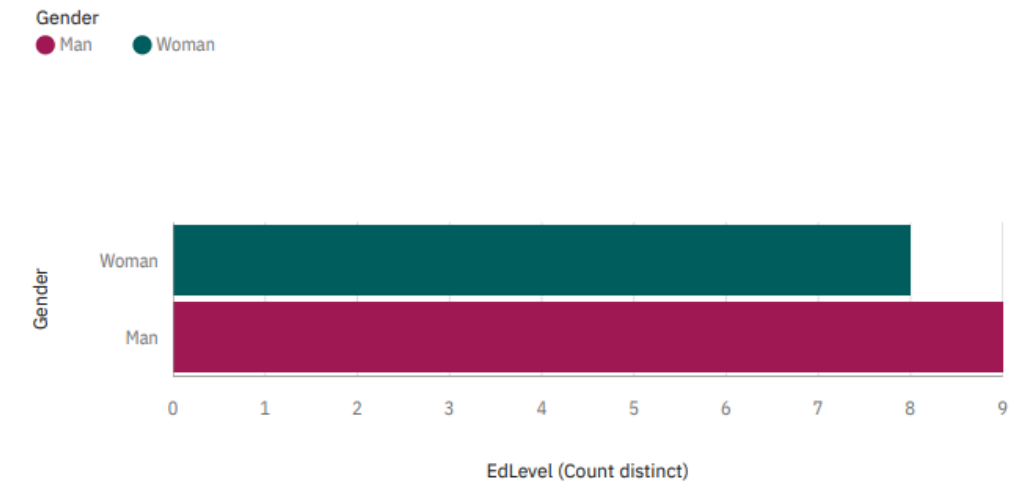SKILLS NETWORK
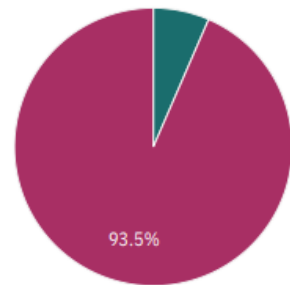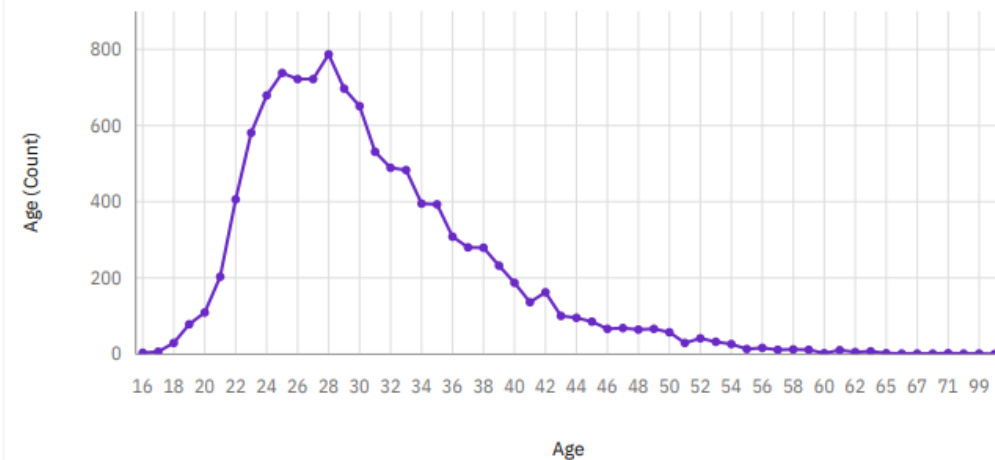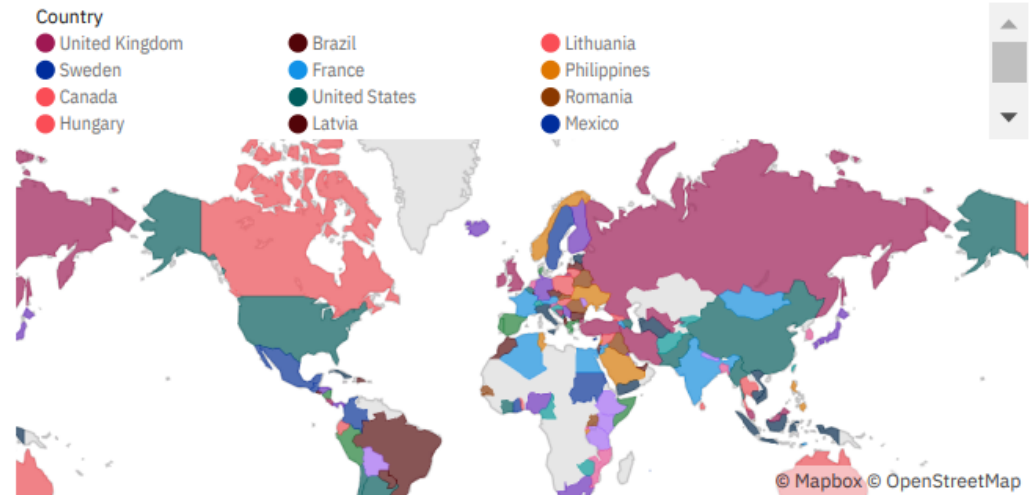
DISCUSSION

- In this presentation was discussed the
  most importants languages, database, platforms
  and webframes to learn for the next year, that can show
  the direction of the technology trend will go.

- Also, in the last chart, it was shown that this techonology market has more man than woman.

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OVERALL FINDINGS & IMPLICATIONS

Findings

- Javascript is an important language for the technology market.
- PostgreSQL is an important database to learn for the next year.
- In the technology market, there are more man than woman.

Implications

- Javascript will be in the technology market for a while.
- PostgreSQL has an ascending importance in the this market.
- This is a man market, that could led to different implications that will be not discussed here.

CONCLUSION

- Javascript will be in the technology market for a while.

- PostgreSQL has an ascending importance in the this market.

- This a market with predominance of masculine kind, that can show an important discussion about how man has more opportunity than woman, knowing that woman has the same capacities as man to be in this market.

JOB POSTINGS

Number of job postings in Los Angeles