

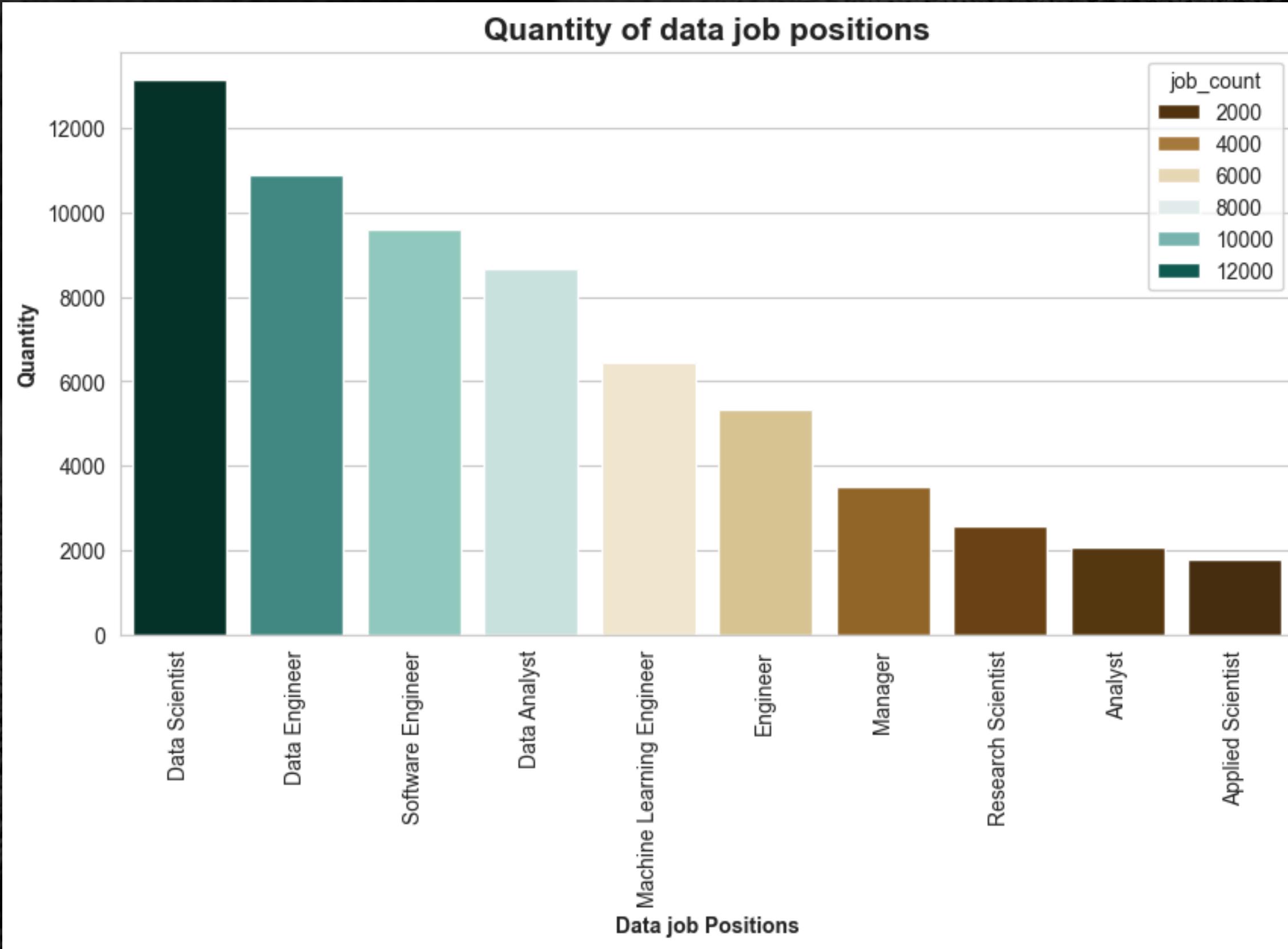
DS 202: DATABASE MANAGEMENT  
FINAL PROJECT

GROUP 3 : LUIS, AMIR, ANN

# THE AI, ML, AND DATA SCIENCE SALARY (2020 - 2025)

28 MARCH, 2025

# EXPLORATORY DATA ANALYSIS (EDA)



THE QUANTITY OF JOBS  
PER  
DATA ROLE

THE MOST COMMON  
DATA JOB ROLE  
IS  
DATA SCIENCE

# BEST ROLES (PART-TIME)

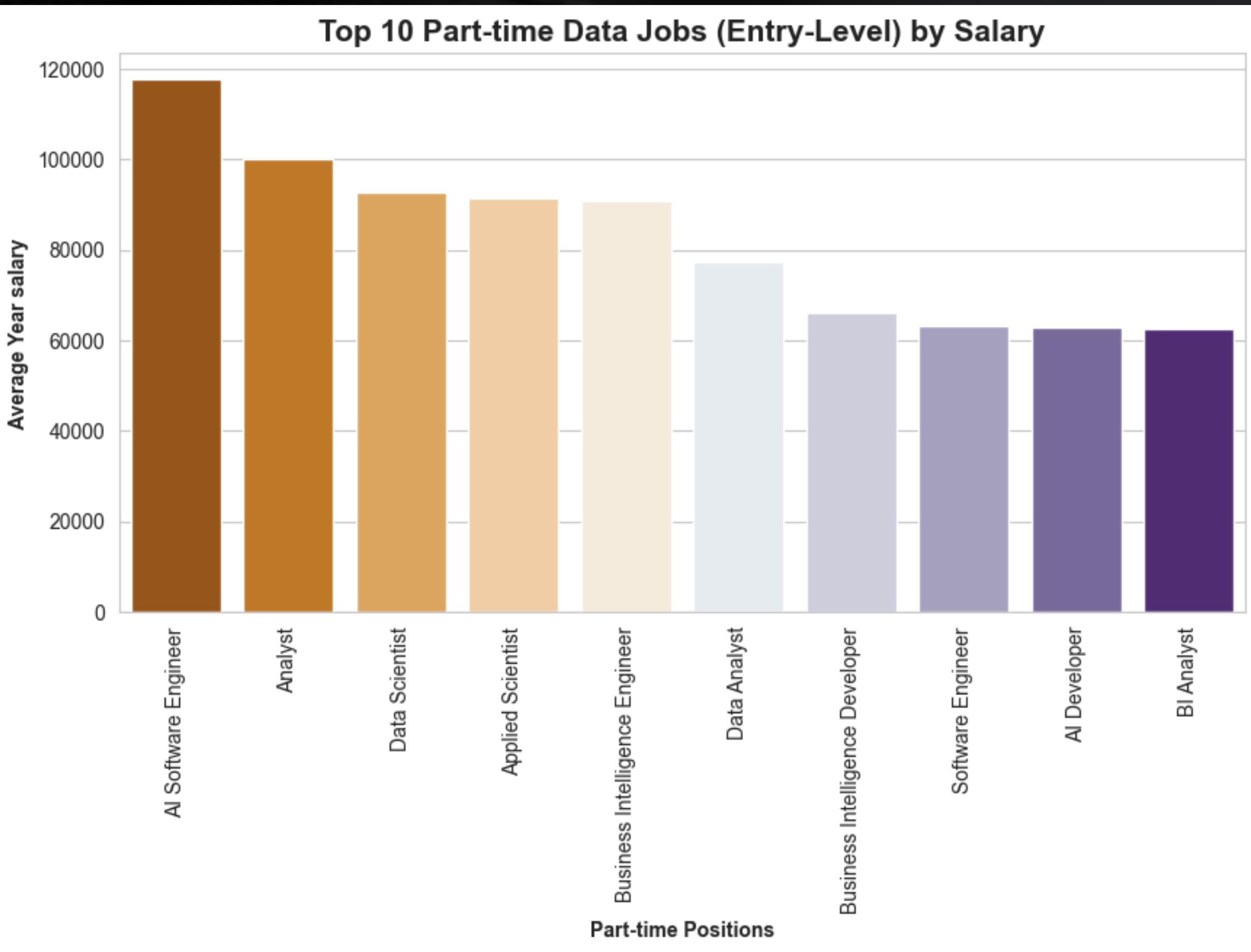
ENTRY-LEVEL POSITIONS  
AND THE SALARY  
MEASURE

AI SOFTWARE  
ENGINEERS

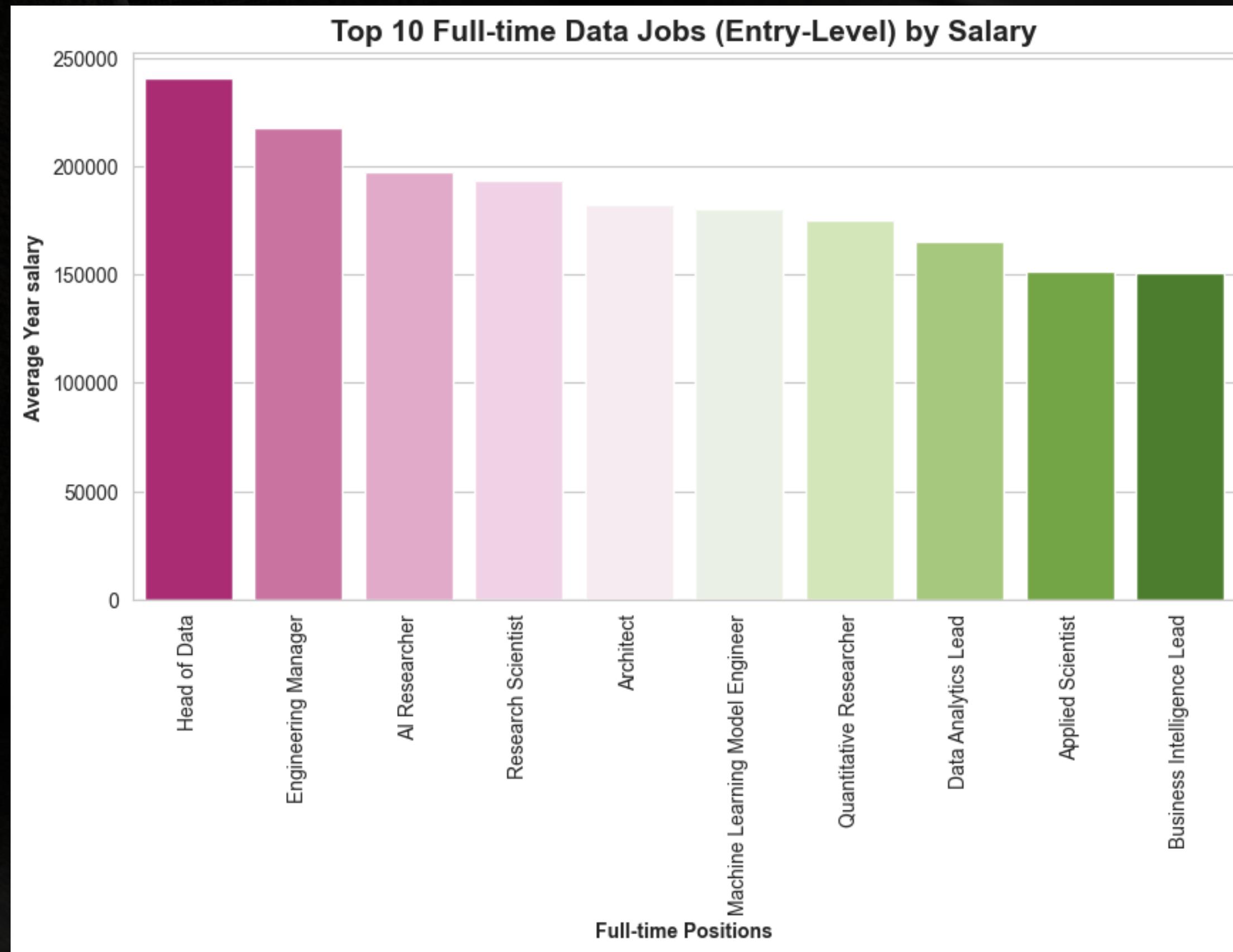
ANALYST

DATA  
SCIENTIST

WITH THE BEST  
SALARIES FOR  
PART-TIME  
JOBS



# ENTRY LEVEL - FULL TIME



ENTRY-LEVEL POSITIONS  
AND THE SALARY  
MEASURE

HEAD OF DATA

ENGINEERING  
MANAGER

AI RESEARCHER

WITH THE BEST  
SALARIES FOR  
FULL-TIME JOBS

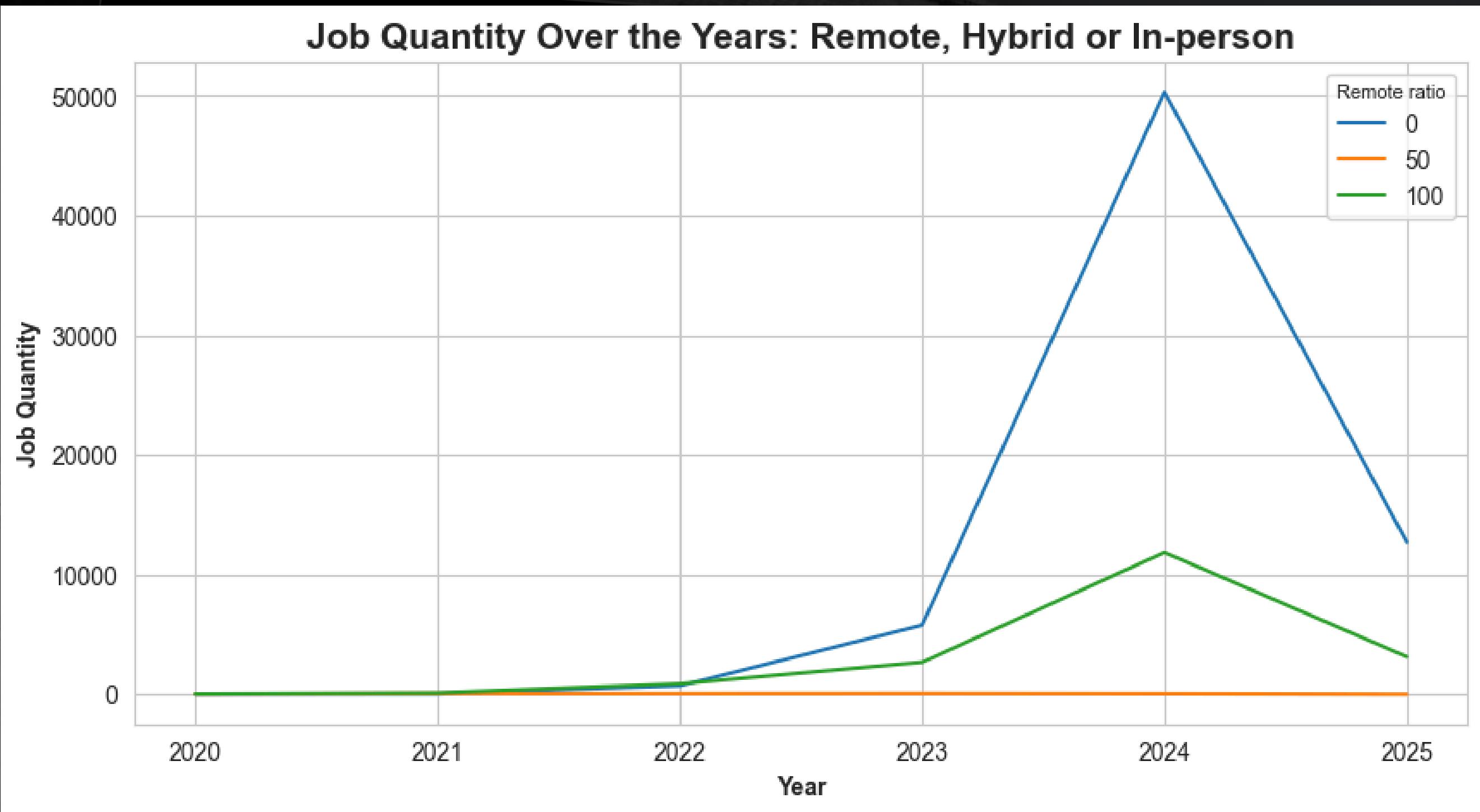
# PREFERENCES 2020 TO 2025

QUANTITY OF JOBS  
DURING THE YEARS

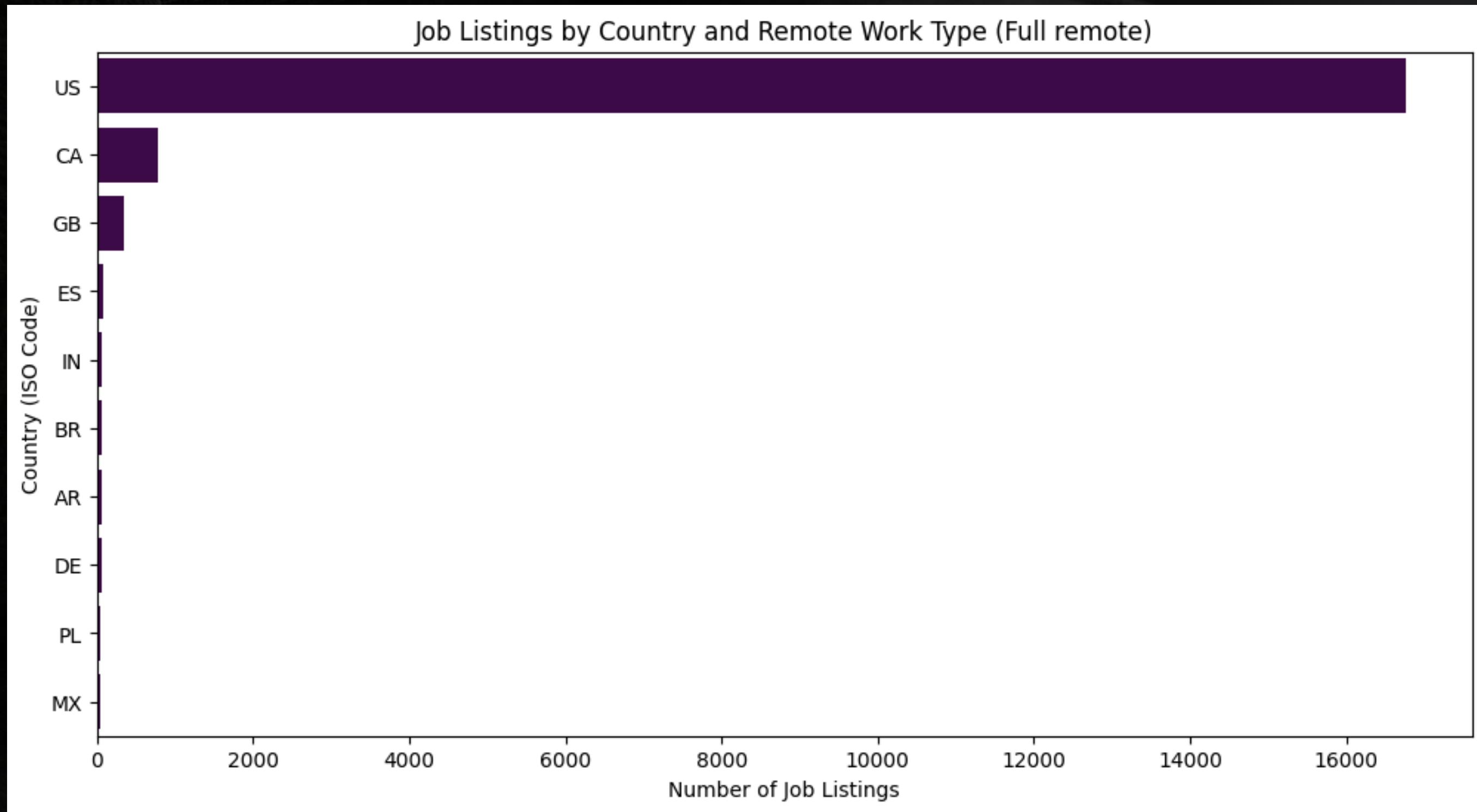
2022 START  
INCREASING

2023 HUGE  
GROWTH

2024 WITH A  
HUGE  
REDUCTION



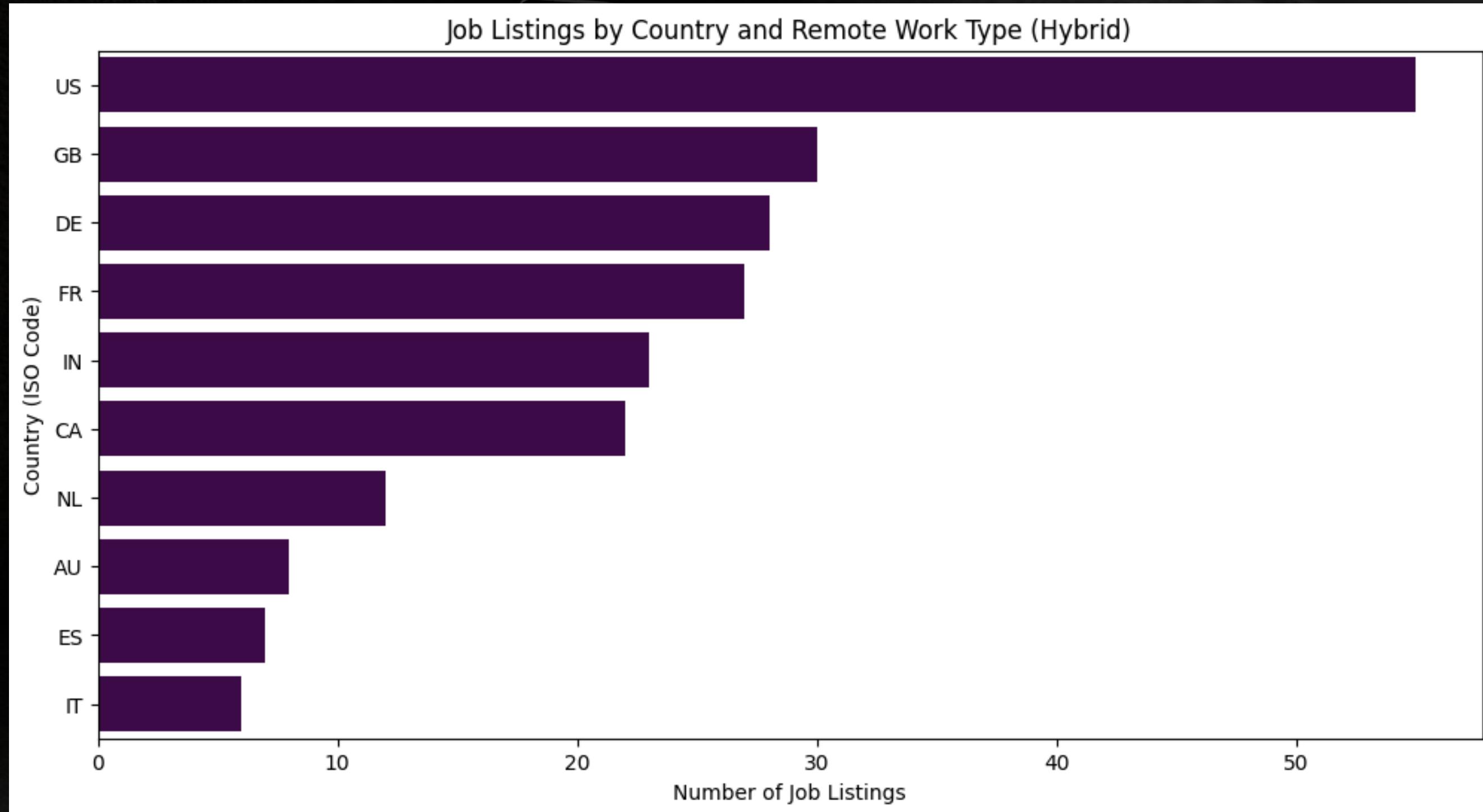
# PREFERENCES - FULL REMOTE



QUANTITY OF JOBS  
PER COUNTRY

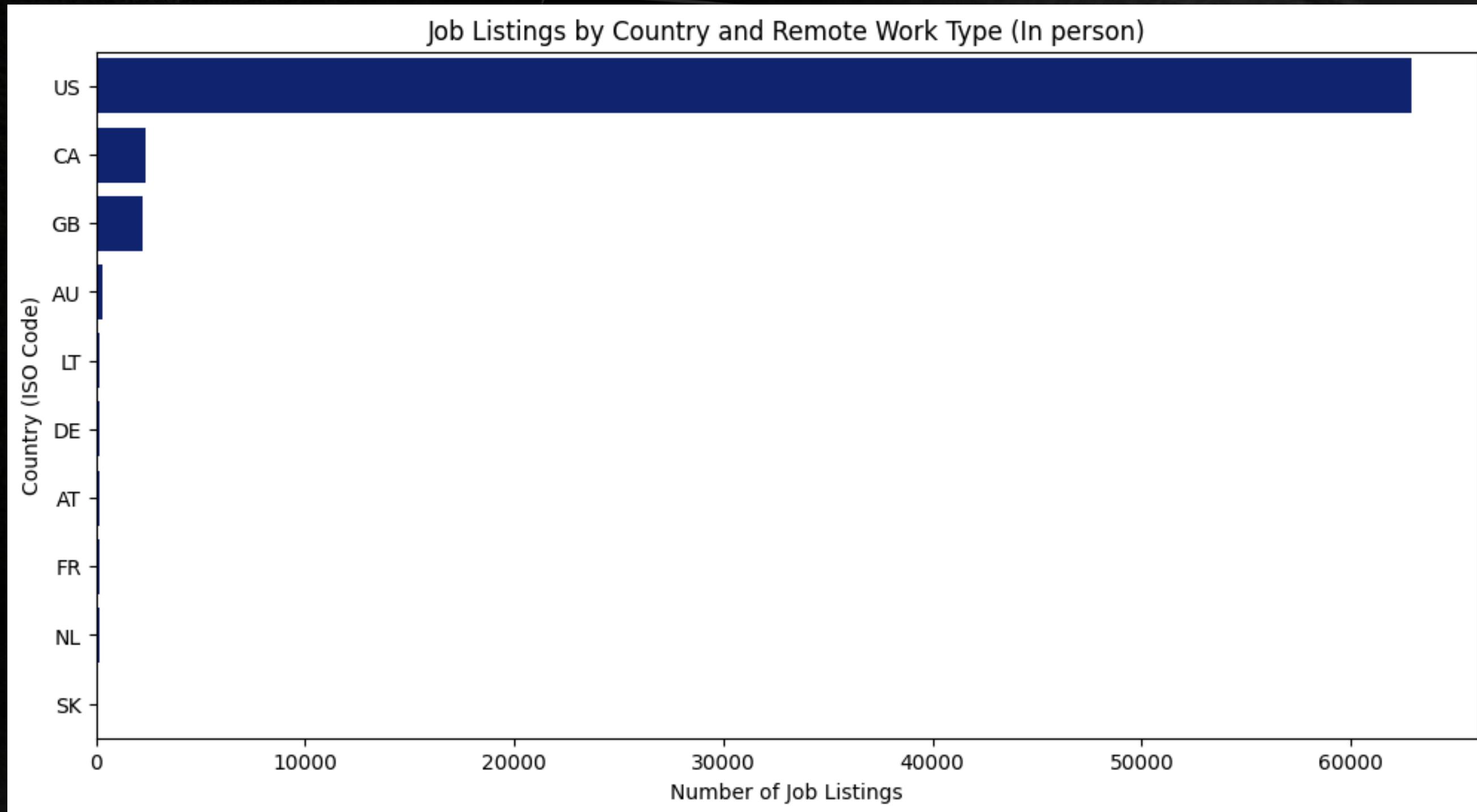
US DOMINANCY  
FOLLOWED BY  
CANADA  
AND  
UNITED  
KINGDOM

# PREFERENCES - HYBRID



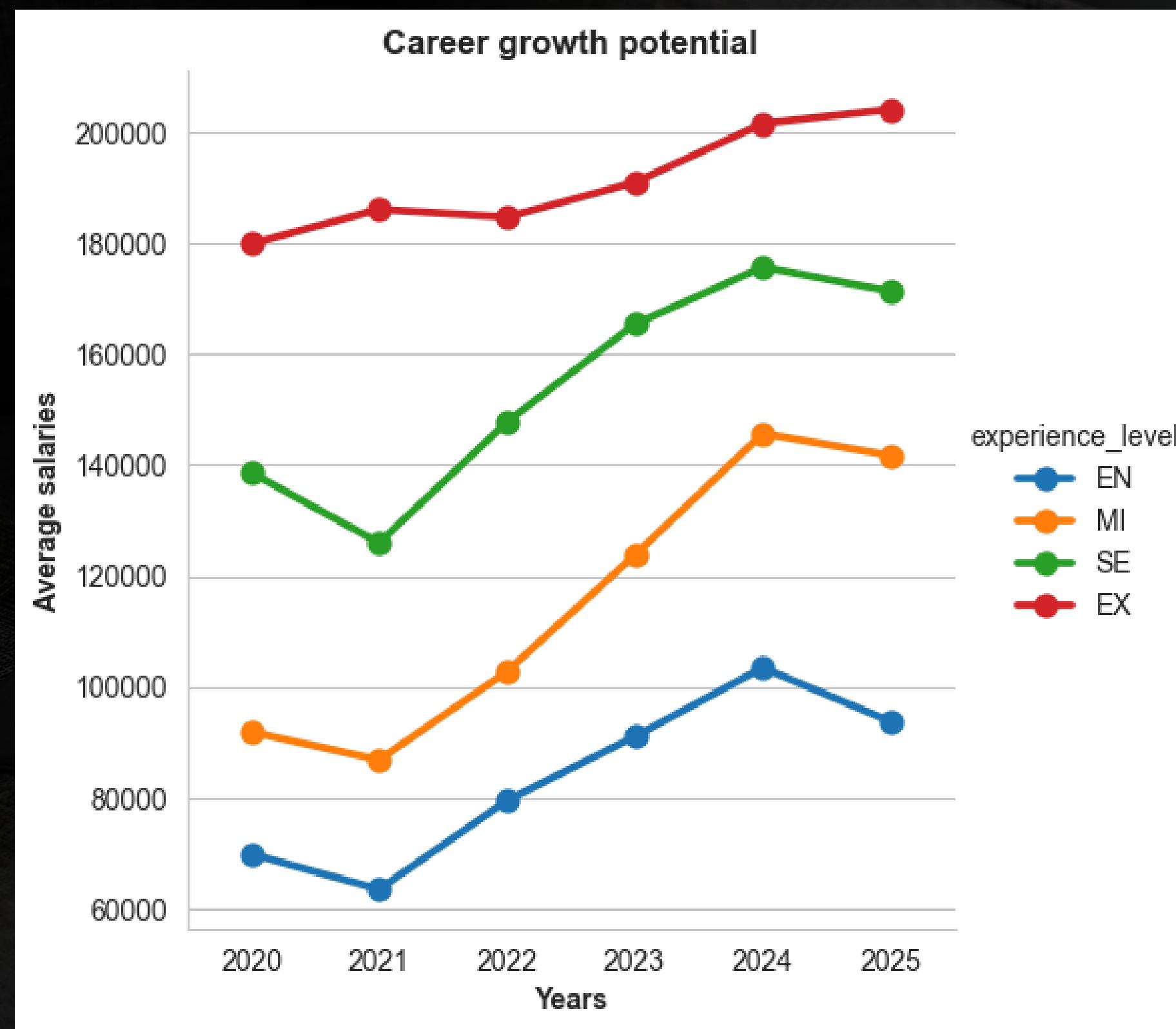
QUANTITY OF JOBS  
PER COUNTRY  
US DOMINANCY  
FOLLOWED BY  
UNITED  
KINGDOM  
AND  
GERMANY

# PREFERENCES - IN PERSON



QUANTITY OF JOBS  
PER COUNTRY  
  
US DOMINANCY  
  
FOLLOWED BY  
CANADA  
  
AND  
  
UNITED  
KINGDOM  
  
SAME AS FULL  
REMOTE

# DATA JOB ROLES - GENERAL



GREATEST YEAR GROWTH  
PER EXPERIENCE LEVEL

ENTRY LEVEL  
2021 TO 2024

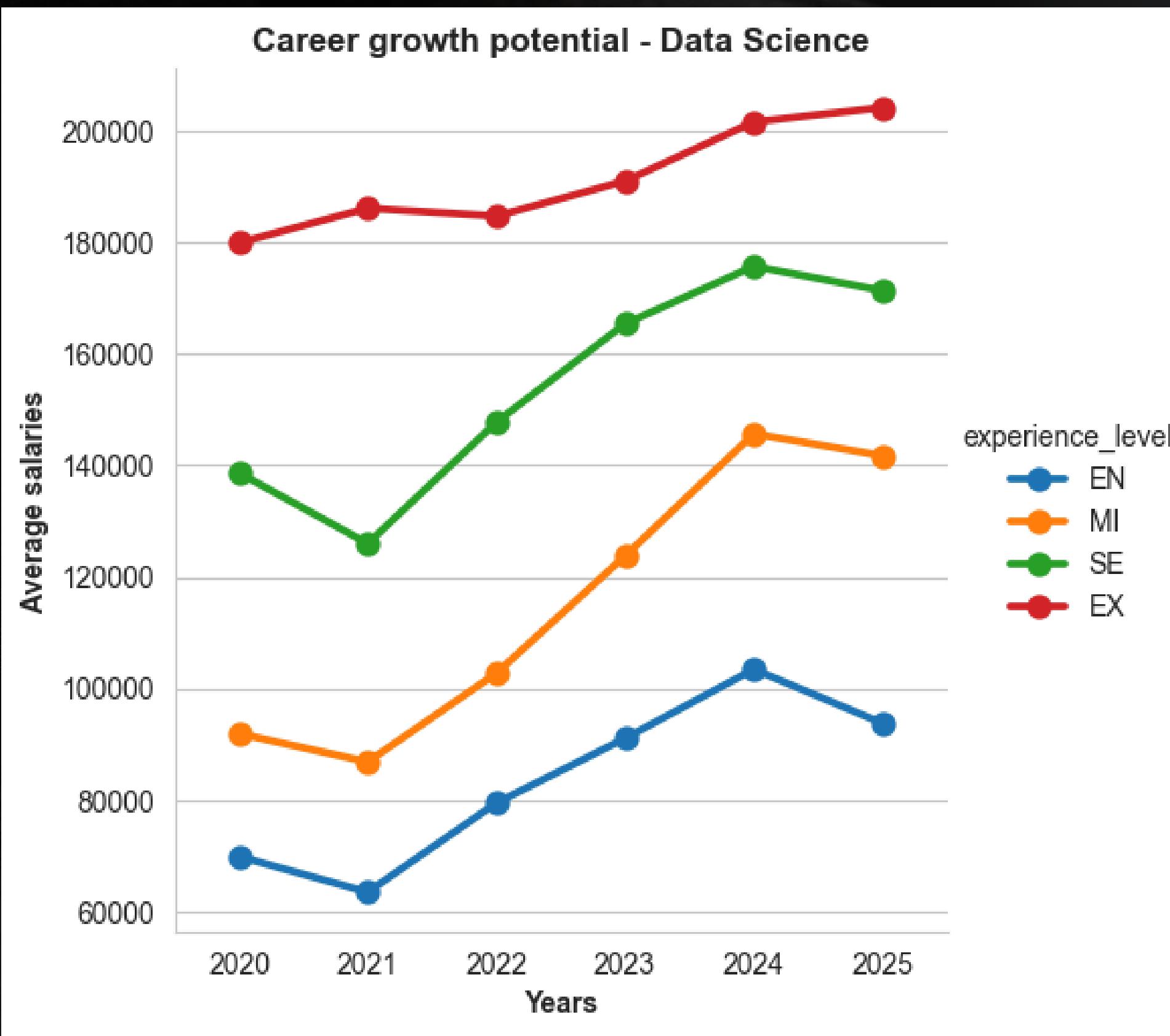
MID LEVEL  
2021 TO 2024  
**BETTER**

SENIOR LEVEL  
2021 TO 2024

EXECUTIVE LEVEL  
2020 TO 2025

STABILITY  
AND  
GROWTH

# DATA JOB ROLES - DATA SCIENCE



GREATEST YEAR GROWTH  
PER EXPERIENCE LEVEL

ENTRY LEVEL  
2021 TO 2024

MID LEVEL  
2021 TO 2024

BETTER

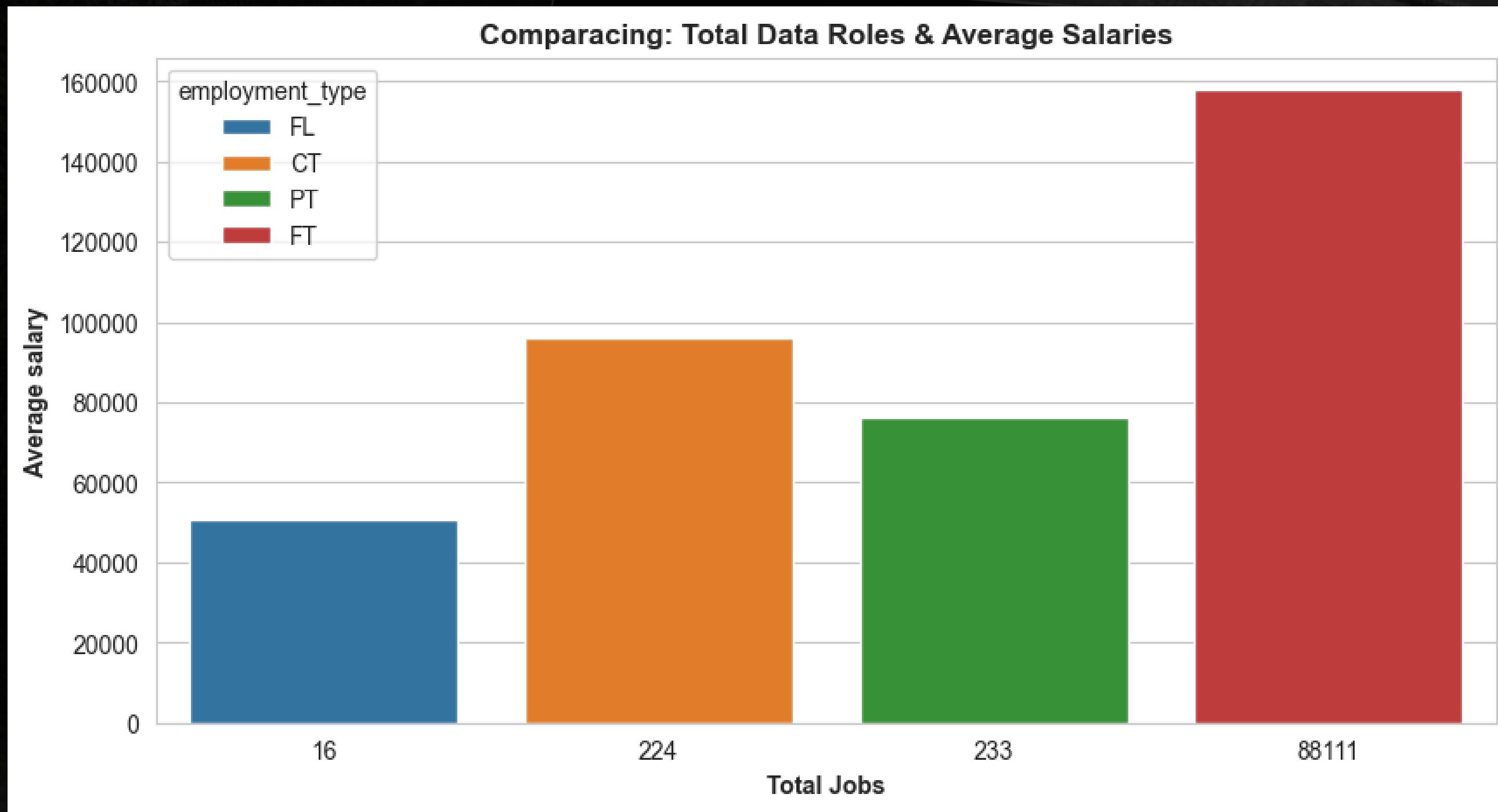
SENIOR LEVEL  
2021 TO 2024

EXECUTIVE LEVEL  
2020 TO 2025

STABILITY  
AND  
GROWTH

# RELATION QUANTITY OF JOBS AND SALARY

## EMPLOYMENT TYPE



QUANTITY X SALARY

FL FREELANCE

PT PART-TIME

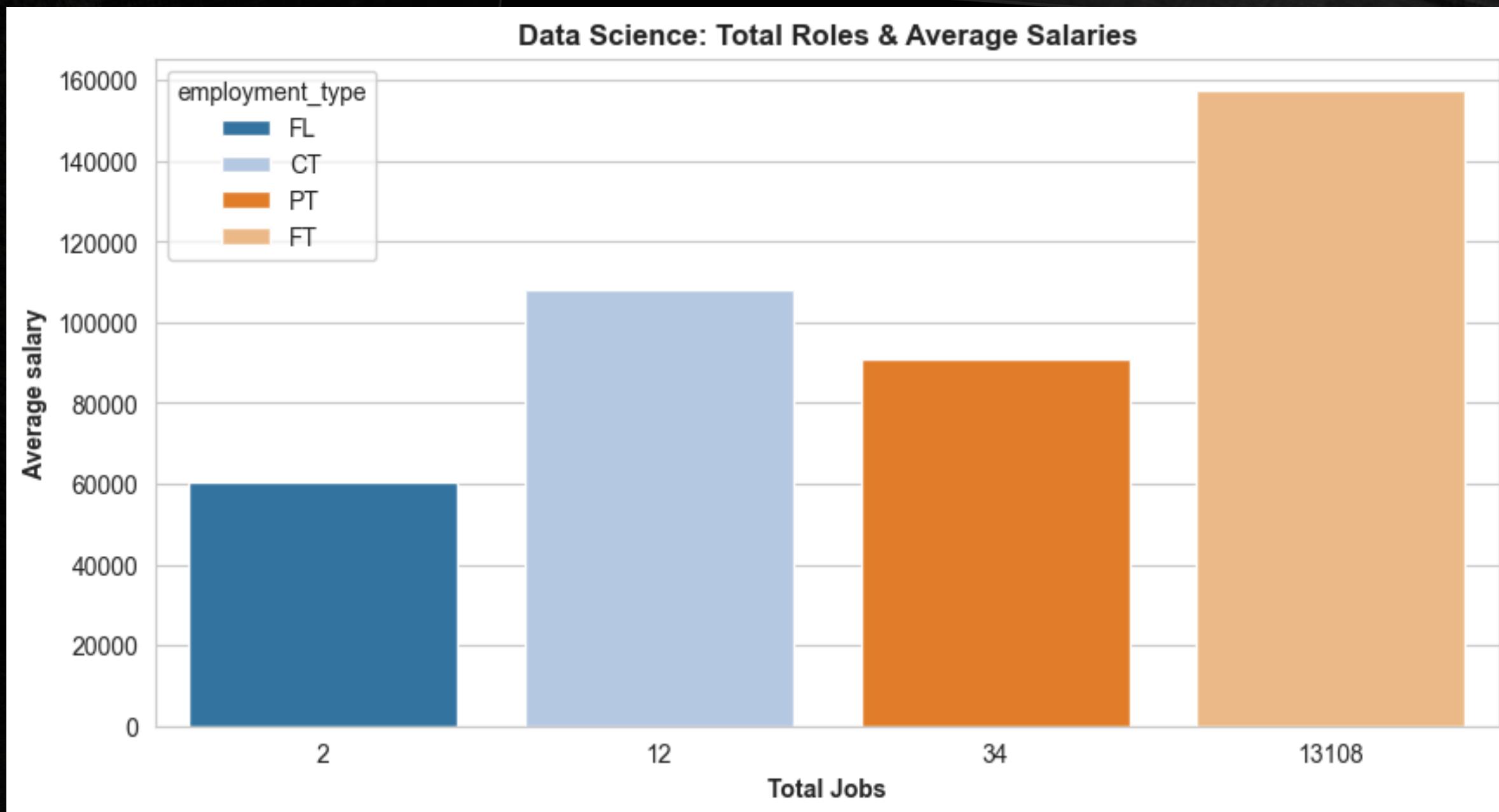
FT FULL-TIME

**BETTER VALUES**

CT CONTRACT

# RELATION QUANTITY OF JOBS AND SALARY - DATA SCIENCE

## EMPLOYMENT TYPE



QUANTITY X SALARY

FL FREELANCE

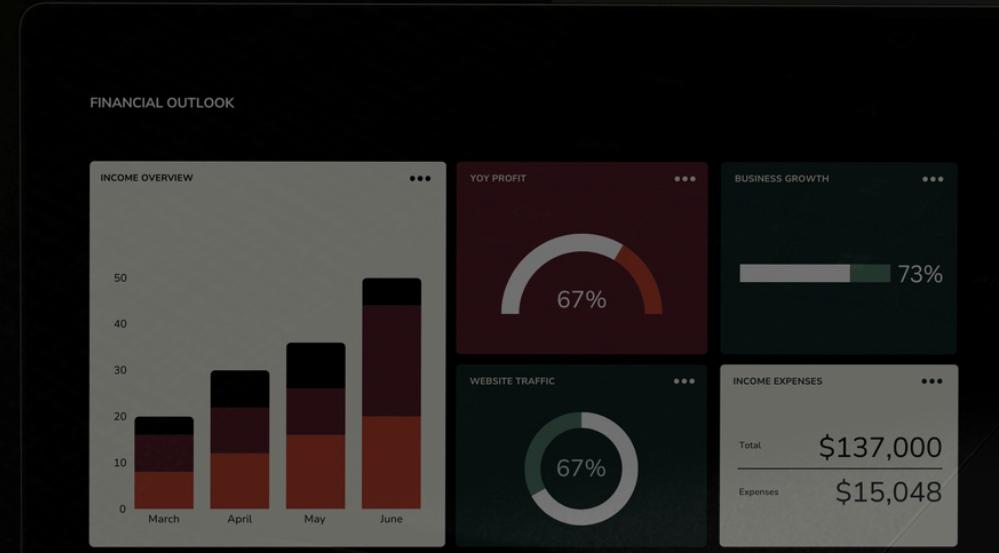
PT PART-TIME

FT FULL-TIME

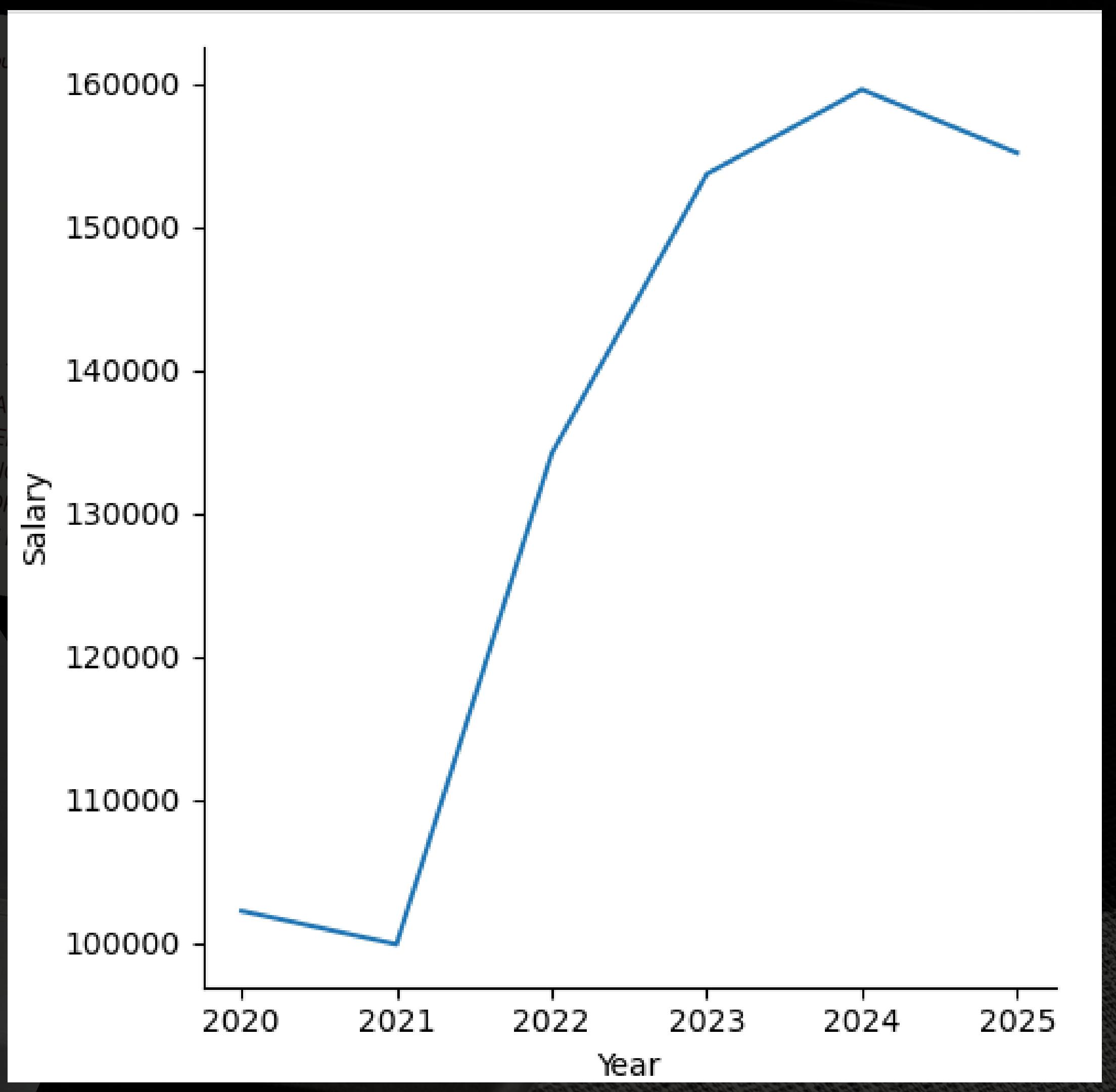
**BETTER VALUES**

CT CONTRACT

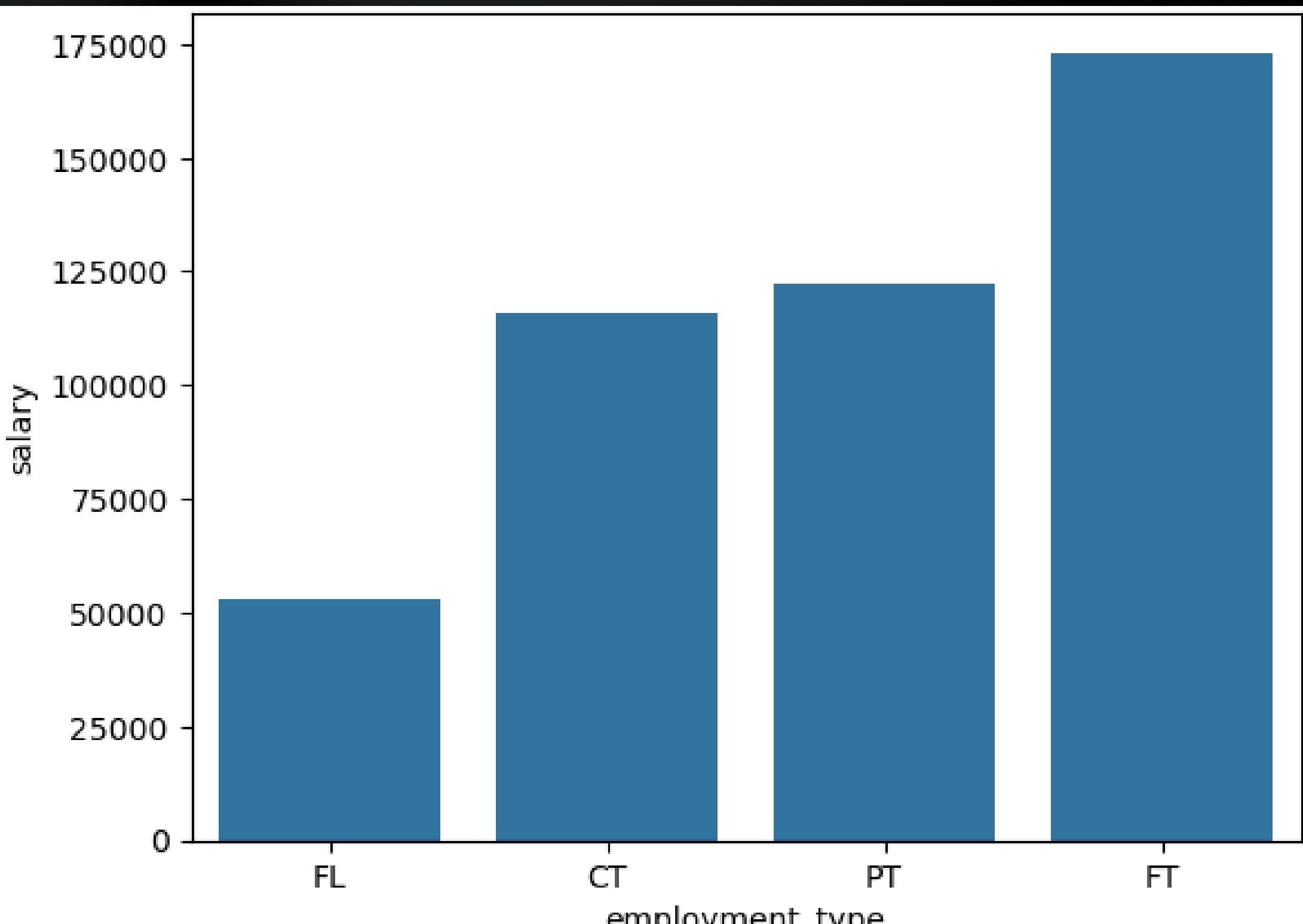
# YEARLY SALARY TRENDS



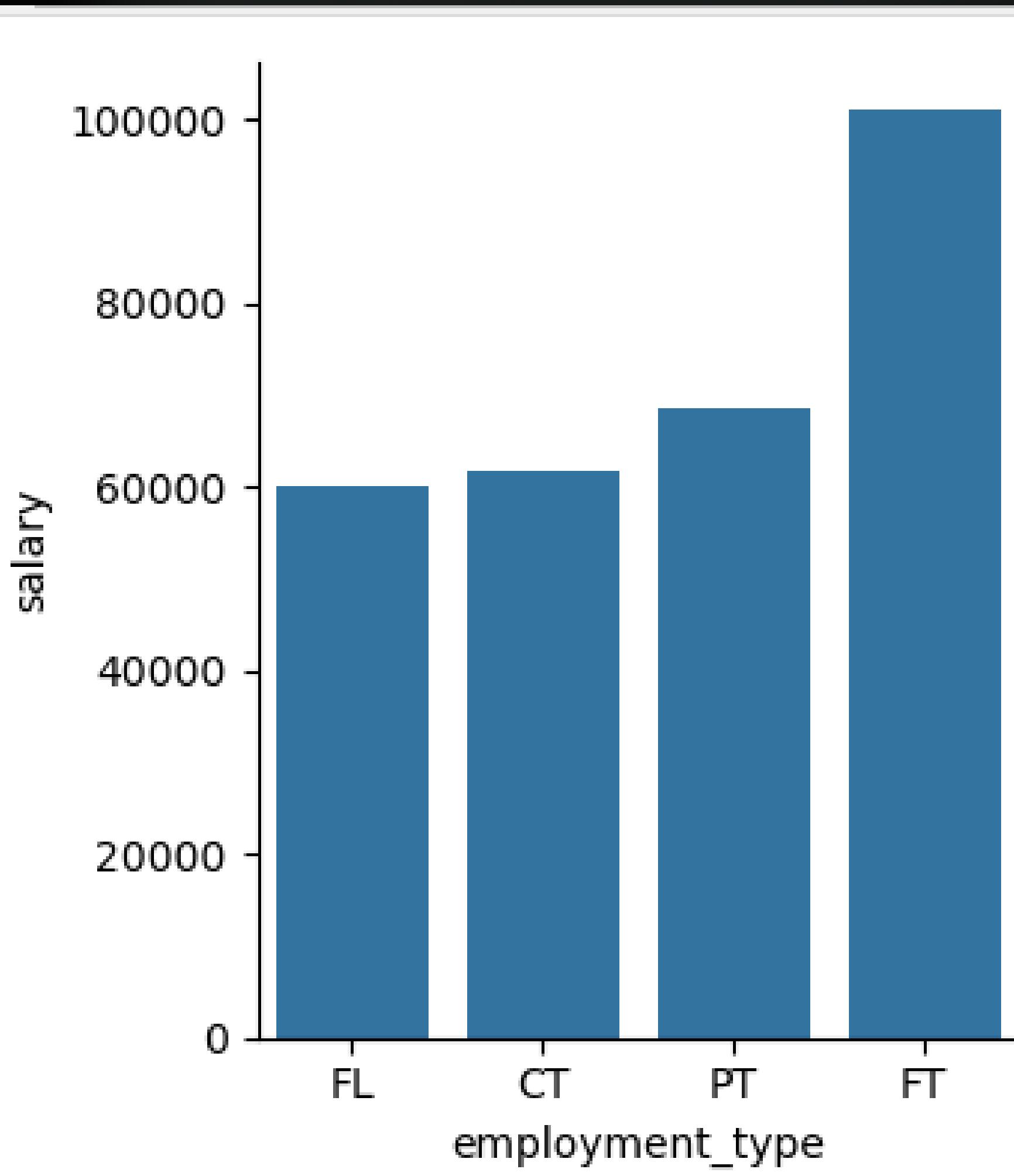
INDUSTRY INSIGHTS  
WHAT IS THE CURRENT STATE OF THE MARKET AND WHERE ARE WE GOING? DO YOU SEE ANY TRENDS IN THE DEVELOPING INDUSTRY? HOW CAN WE POSITION OURSELF FOR SUCCESS? THESE QUESTIONS ARE AT THE HEART OF OUR DAILY DISCUSSIONS.



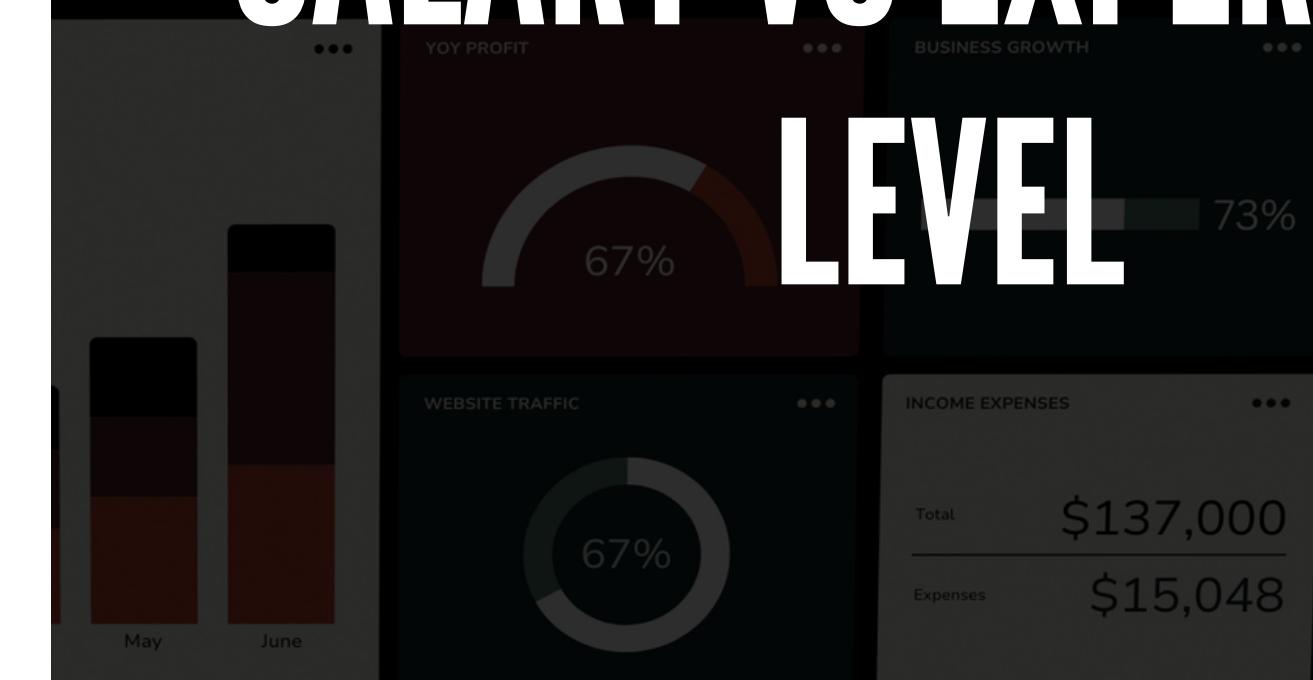
# THE SENIOR LEVEL SALARY VS EXPERIENCE LEVEL



PT= PART-TIME  
FT= FULL-TIME  
CT= CONTRACT  
FL= FREELANCE



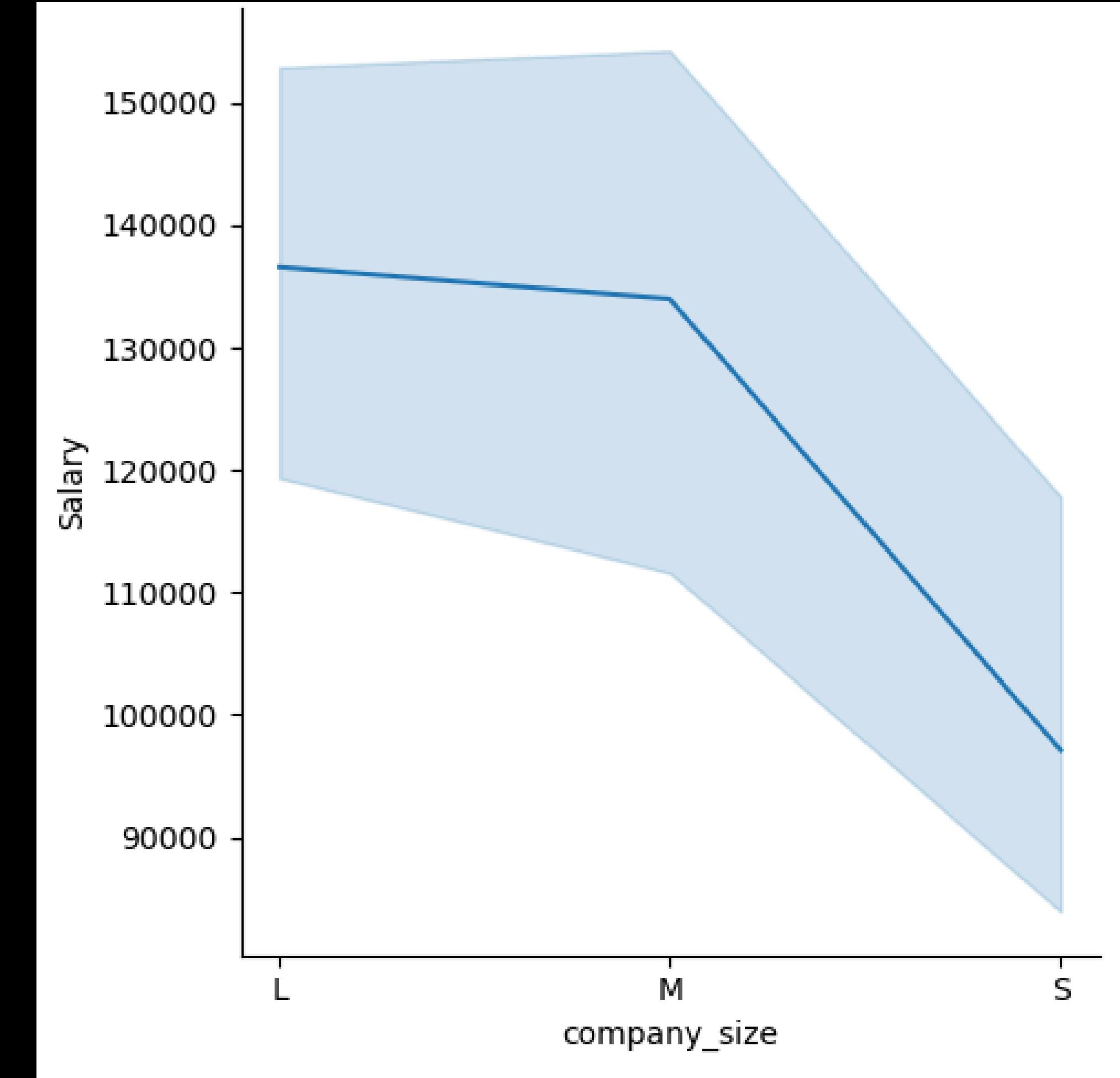
# THE ENTRANCE LEVEL SALARY VS EXPERIENCE LEVEL



PT= PART-TIME  
FT= FULL-TIME  
CT= CONTRACT  
FL= FREELANCE

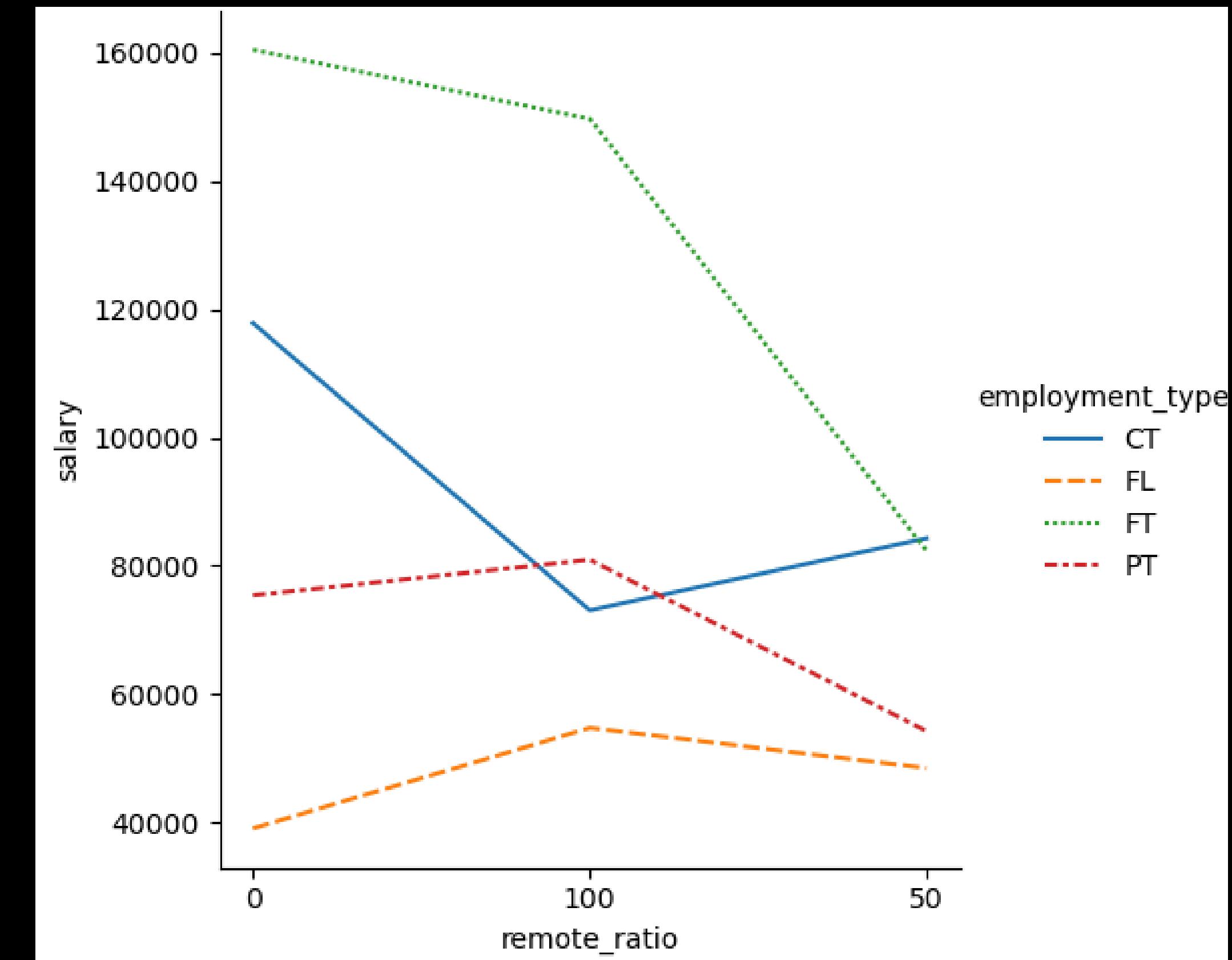
# THE COMPANY SIZE VS SALARY

L = LARGE  
M = MEDIUM  
S = SMALL



# EFFECT OF REMOTE RATIO IN THE SALARY AND THE EMPLOYMENT TYPE

PT= PART-TIME  
FT= FULL-TIME  
CT= CONTRACT  
FL= FREELANCE



# TOP 10: THE MOST IMPORTANT COUNTRY

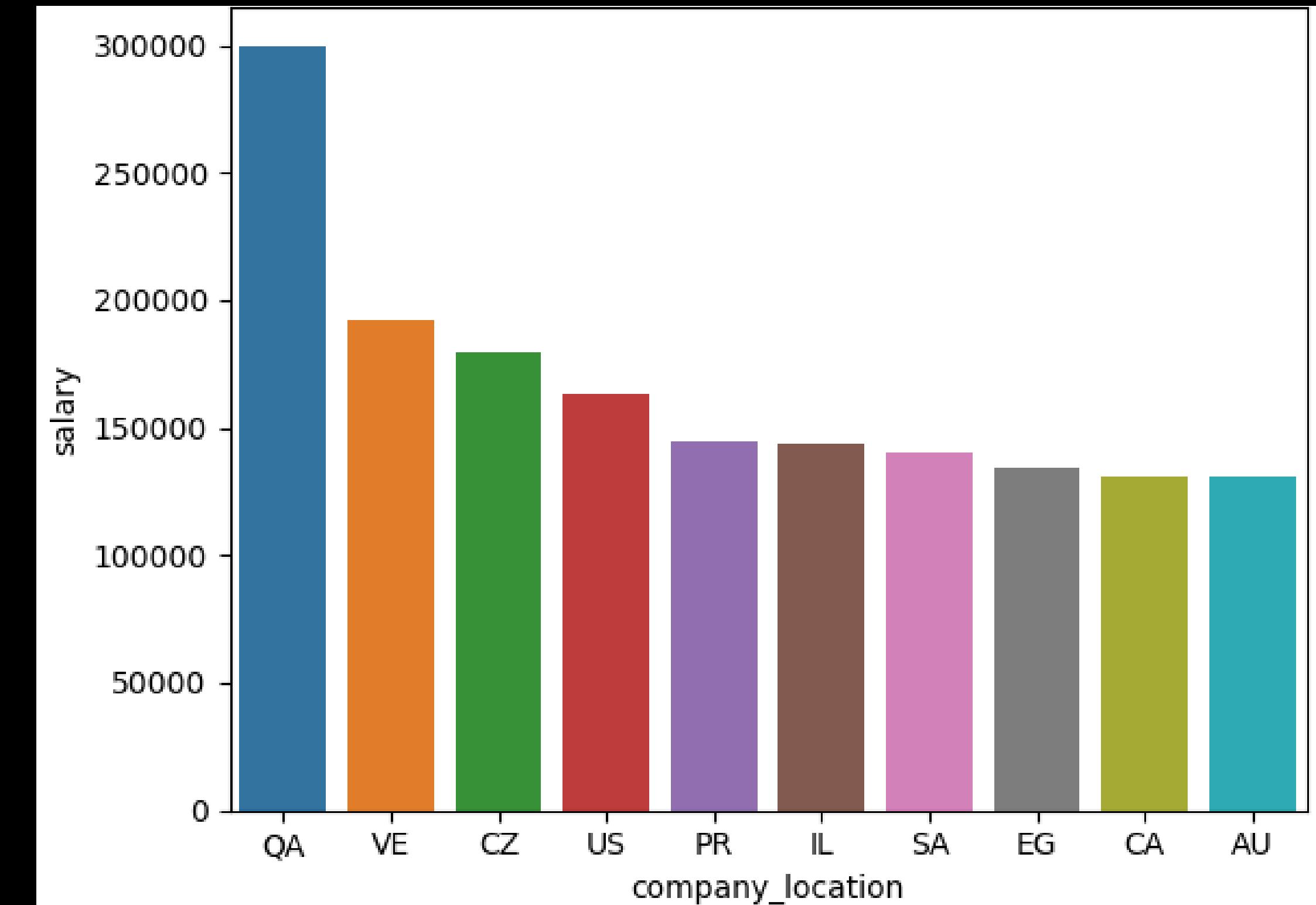
QA= QATAR

VE = VENEZUELA

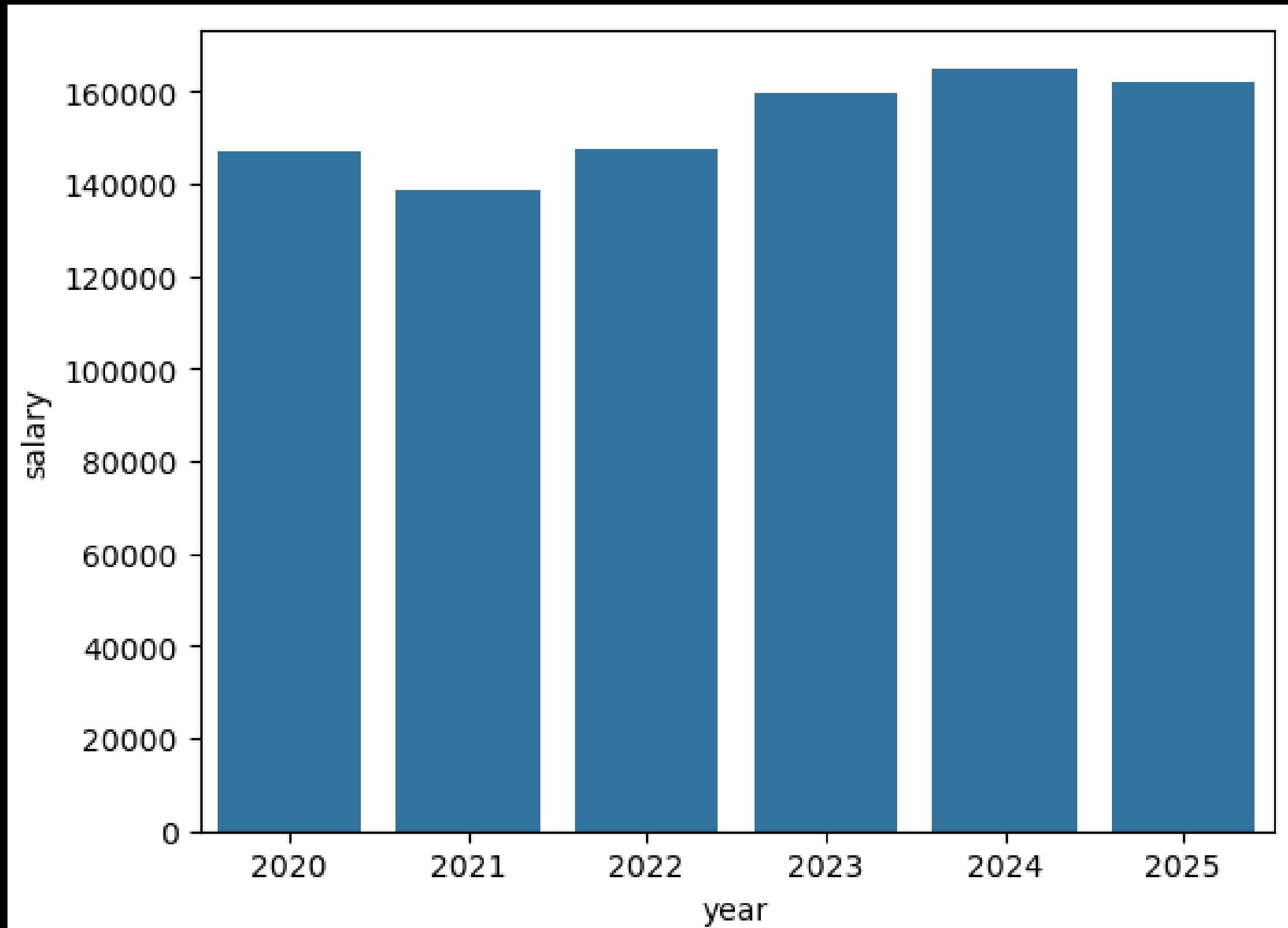
CZ= CZECHIA

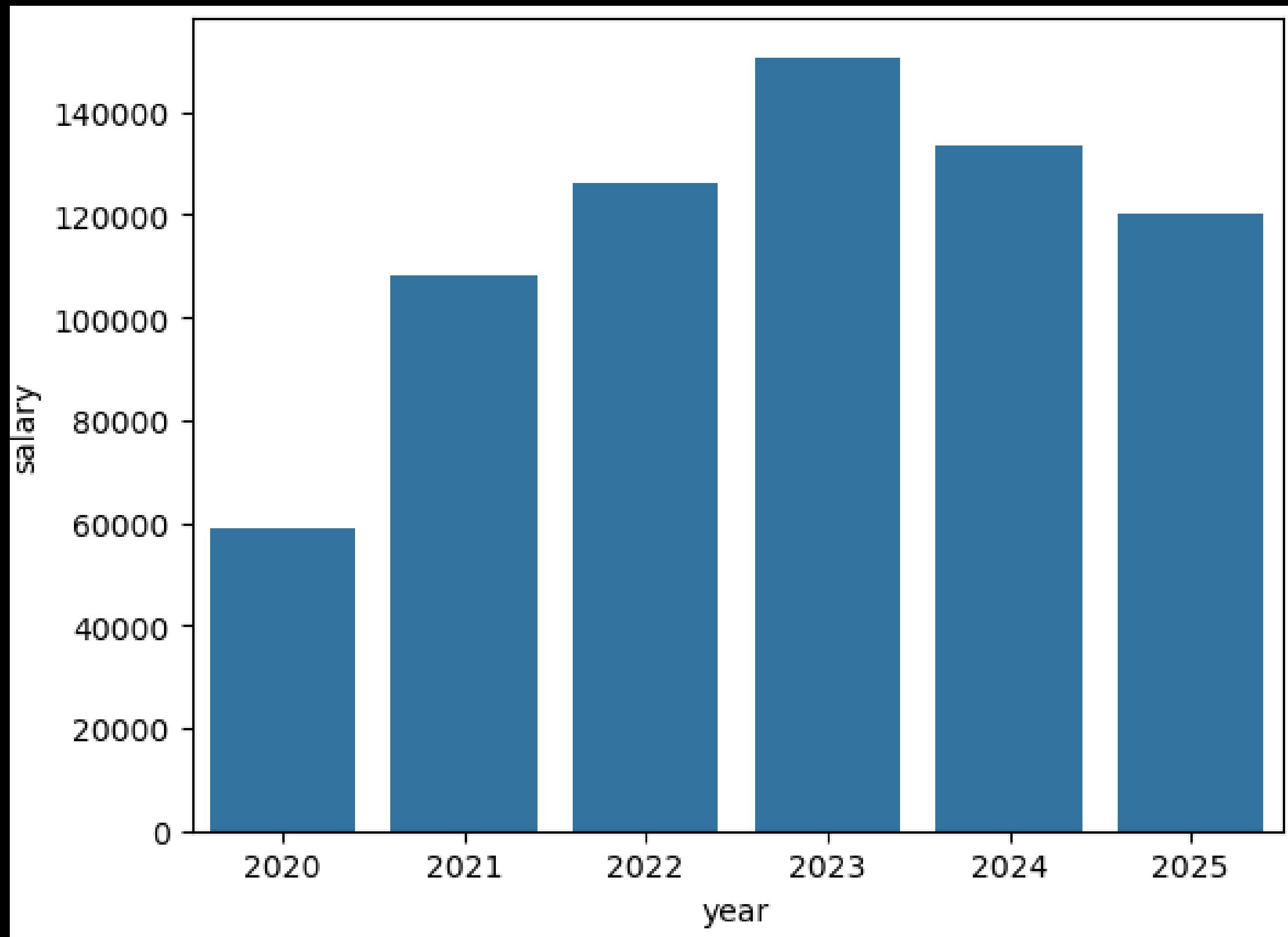
US= UNITED STATES

PR= PUERTO RICO



# CHANGES IN THE SALARY OF UNITES STATES

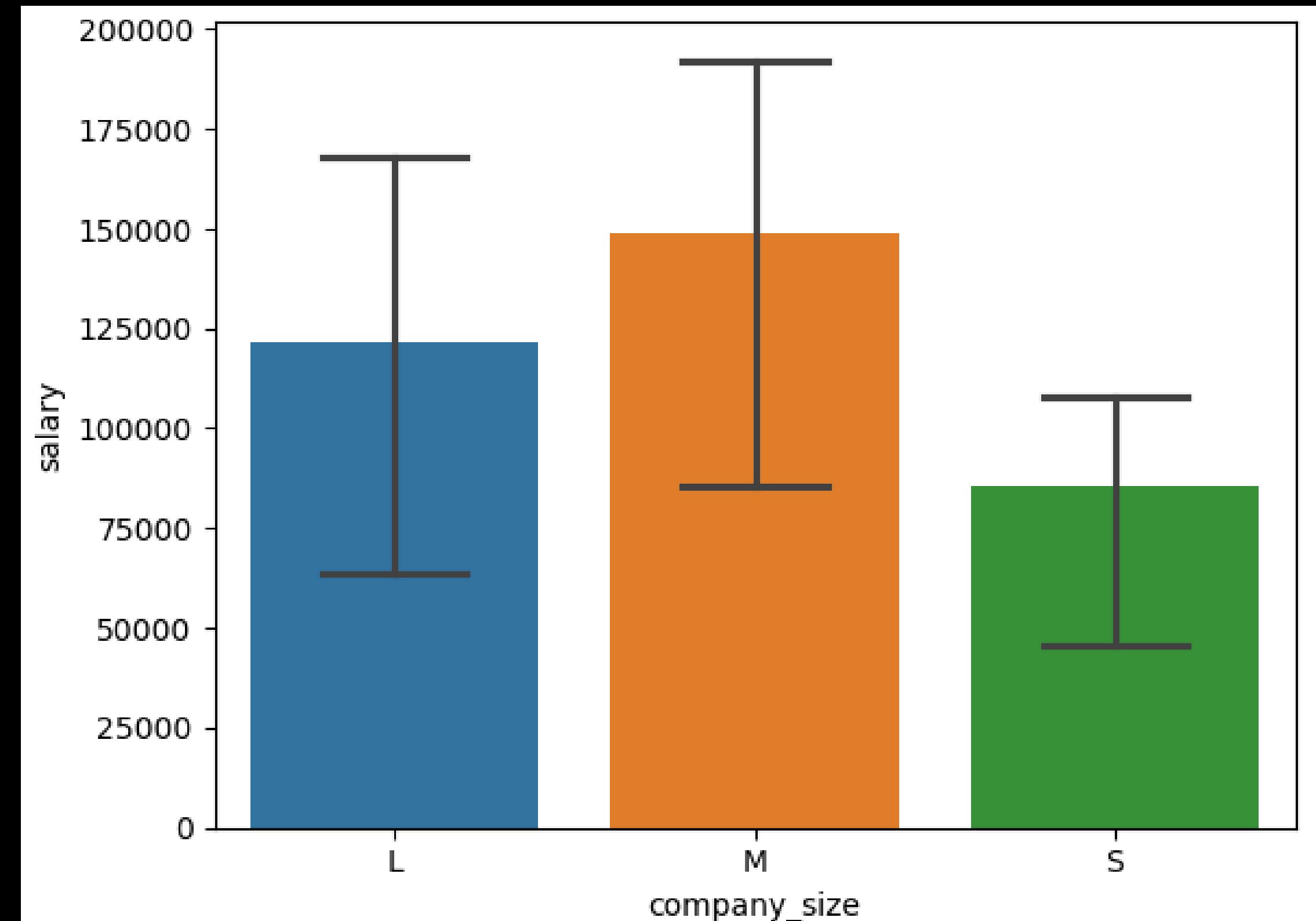




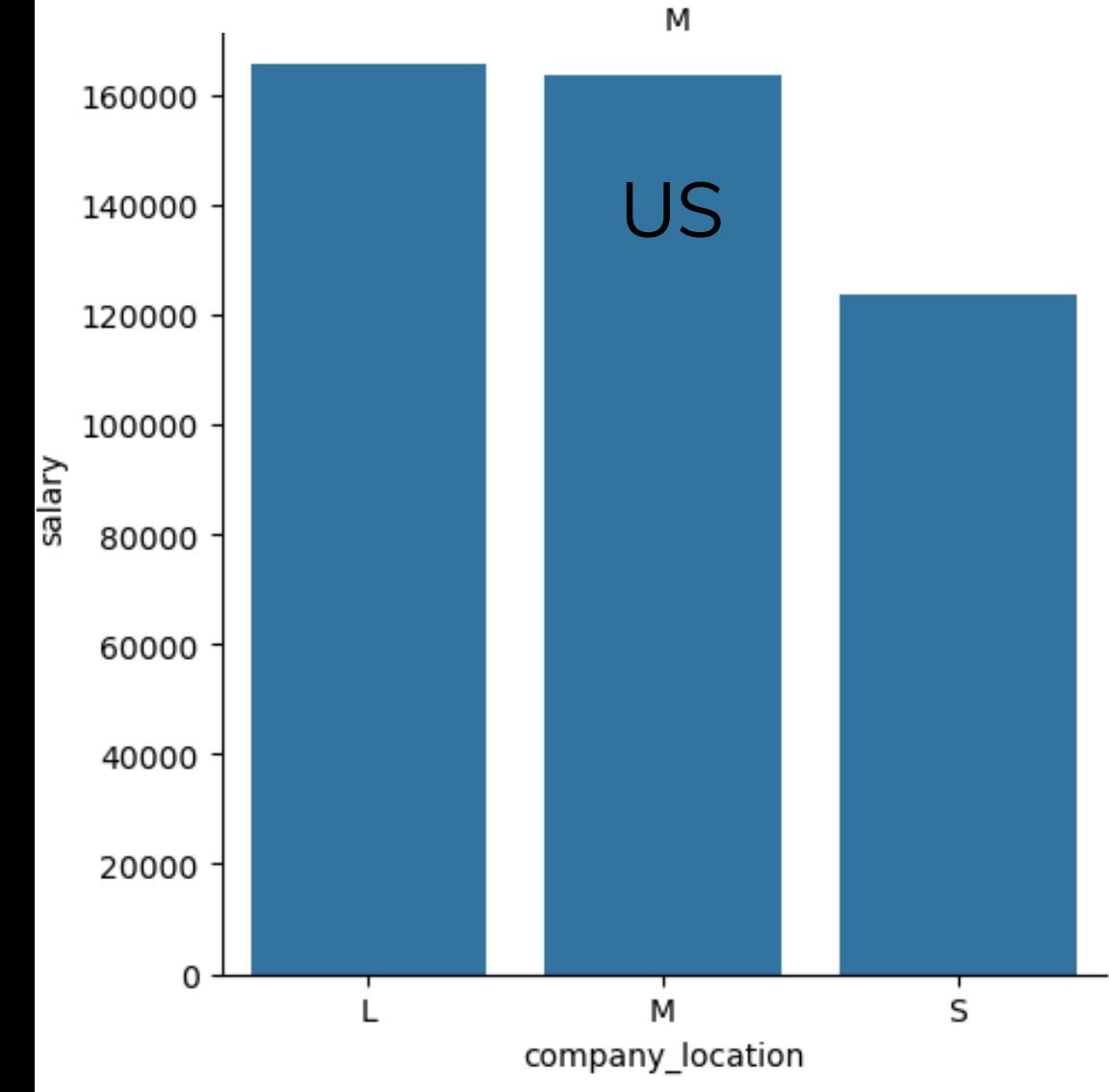
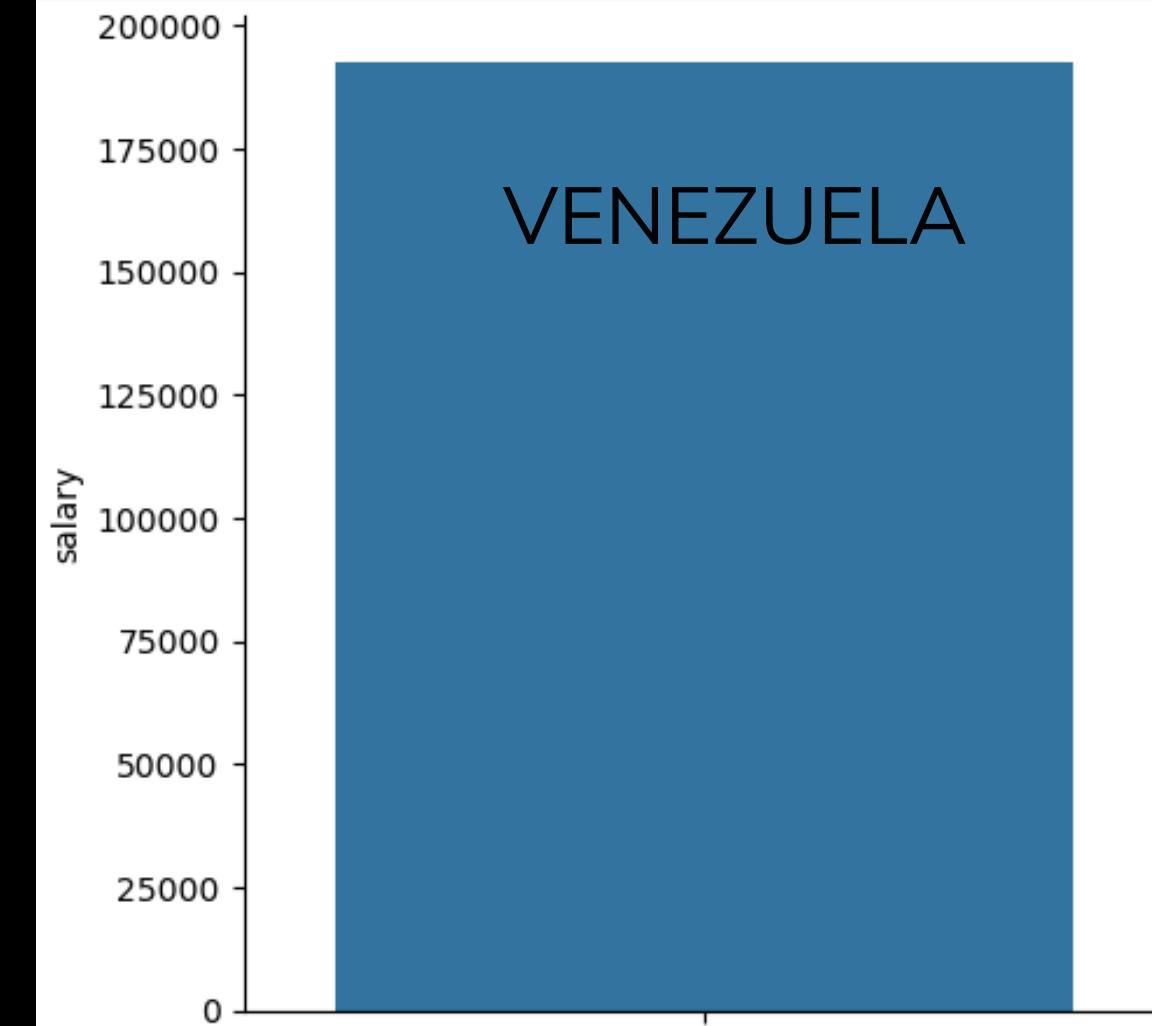
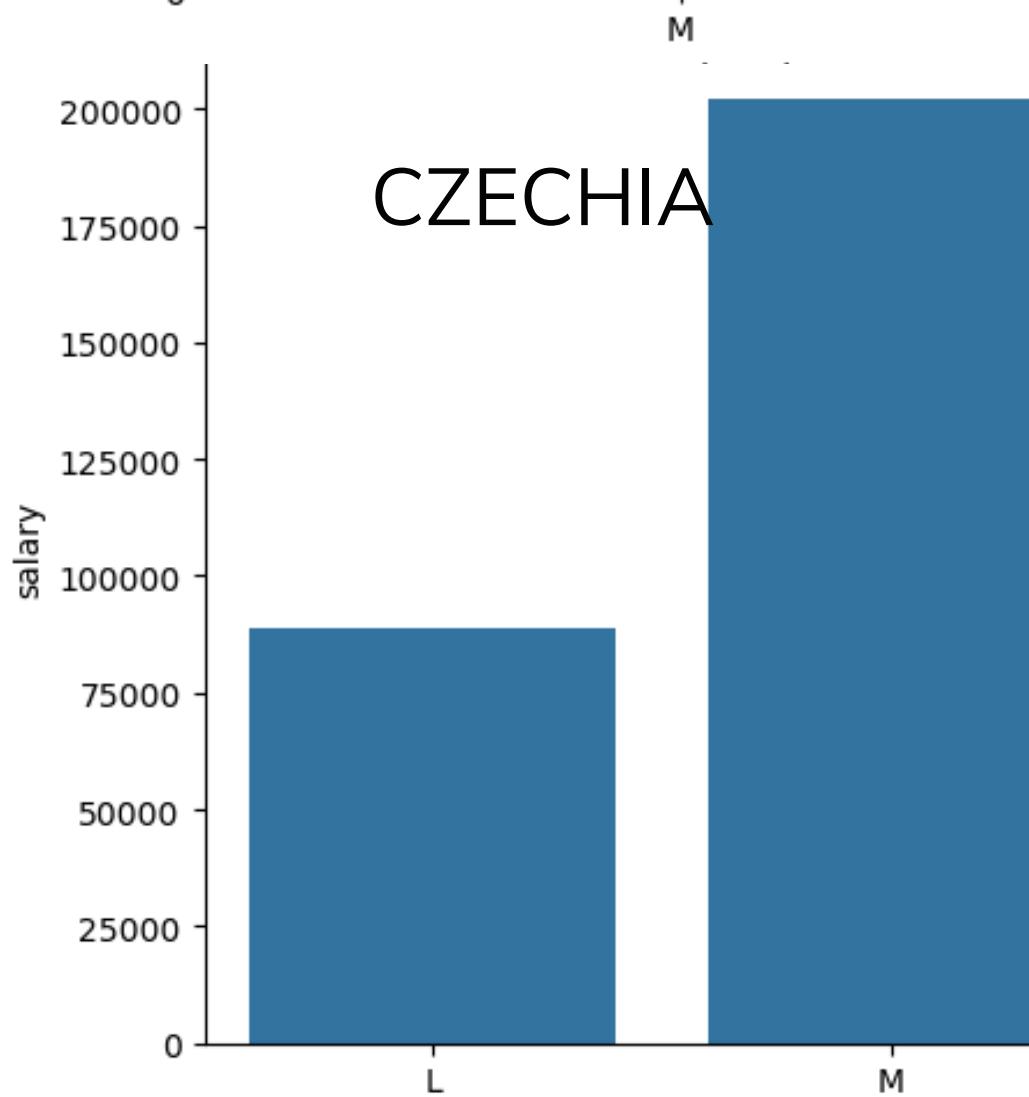
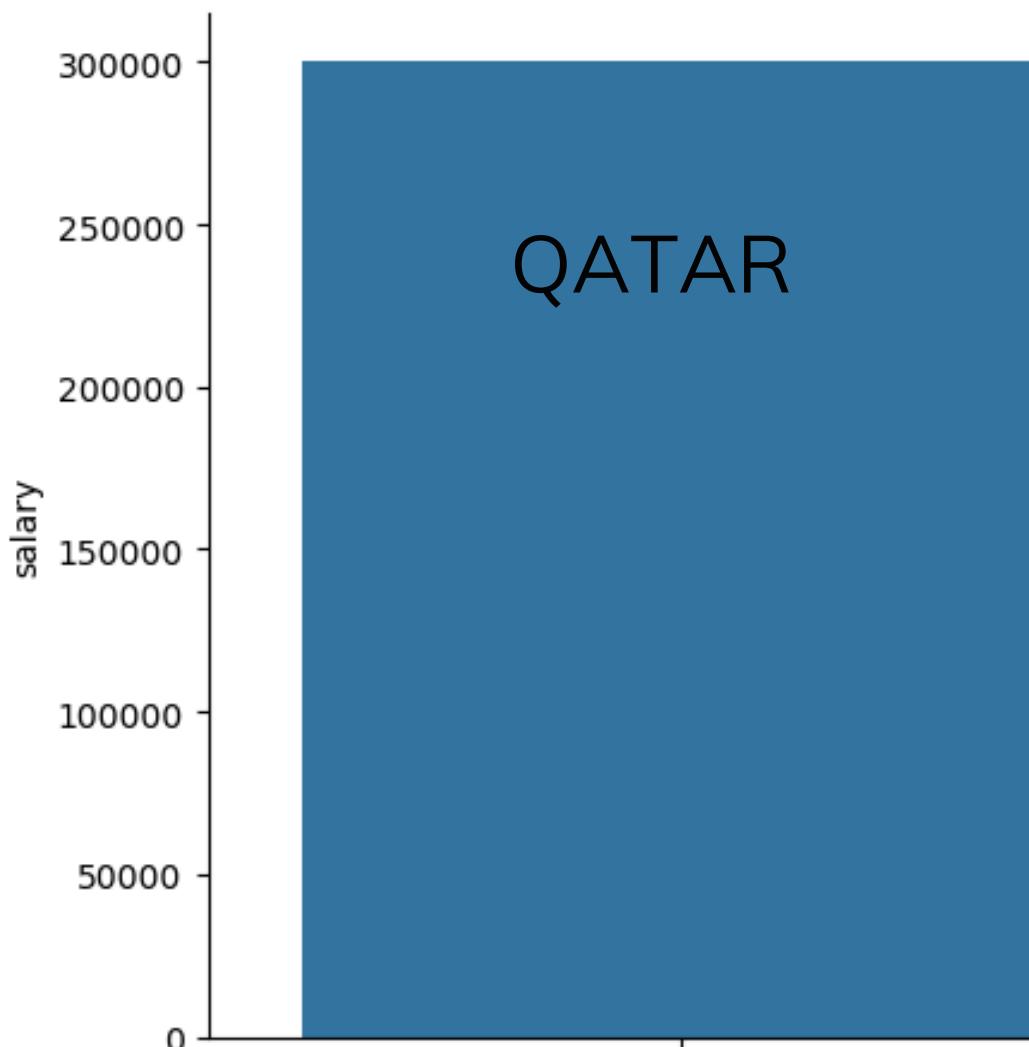
# CHANGES IN THE SALARY OF CANADA

# EFFECT OF THE COMPANY SIZE IN THE SALARY

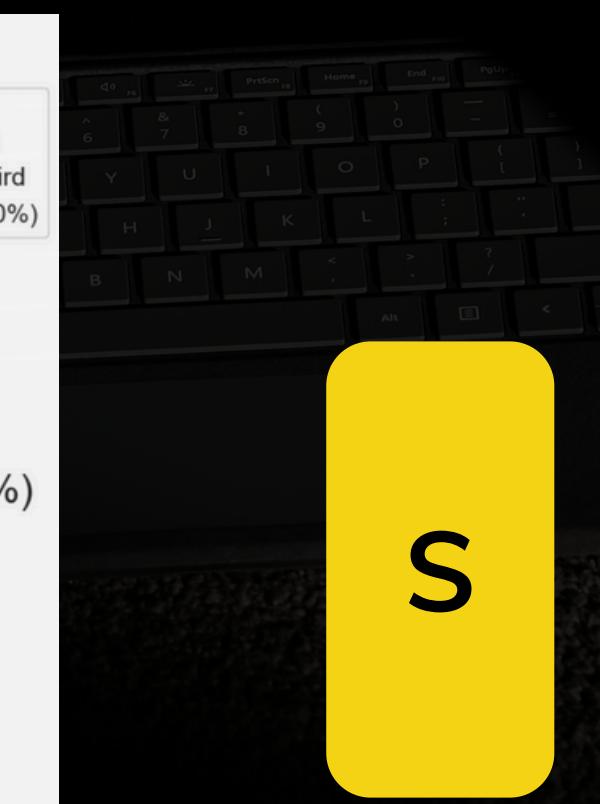
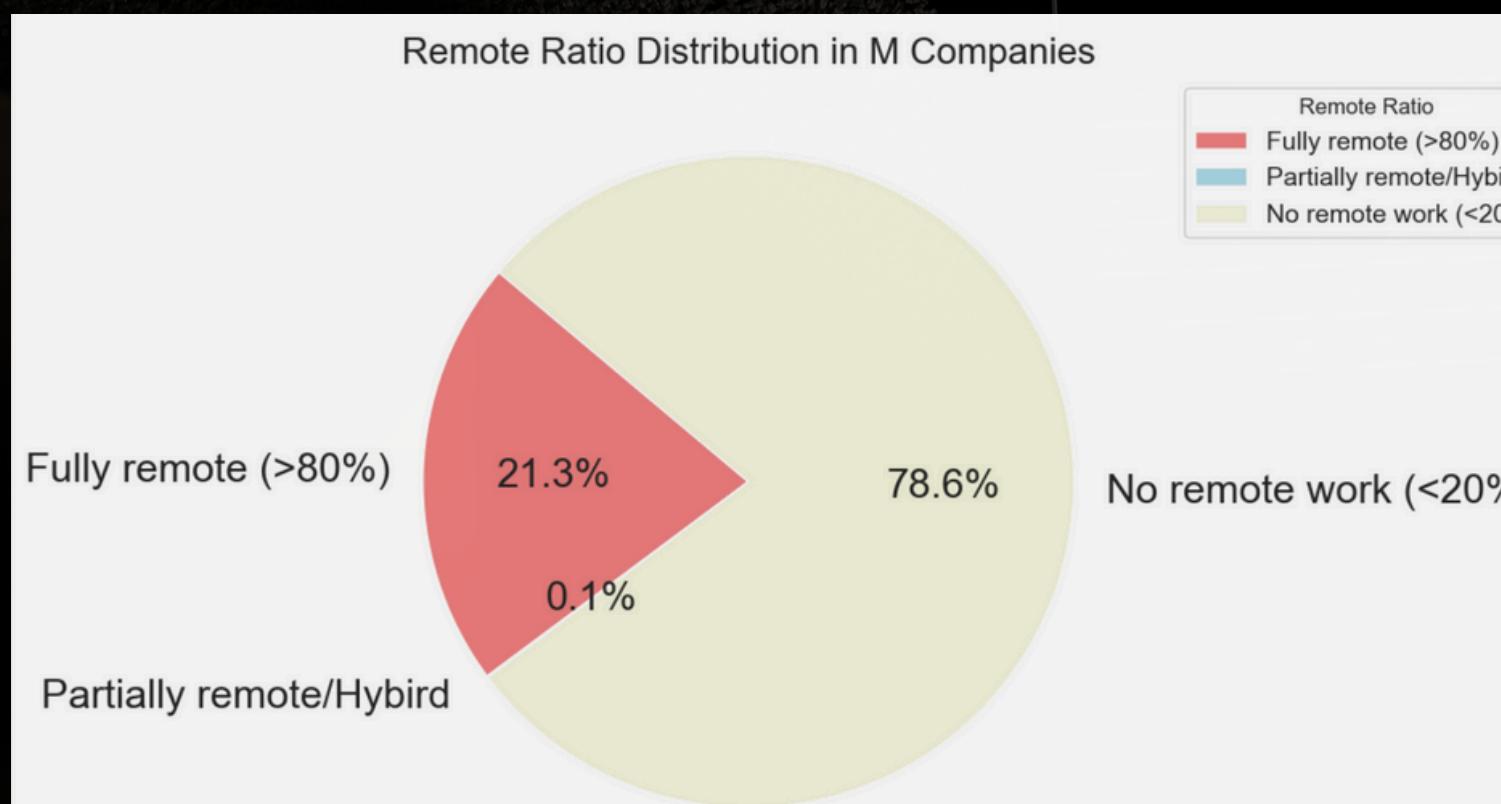
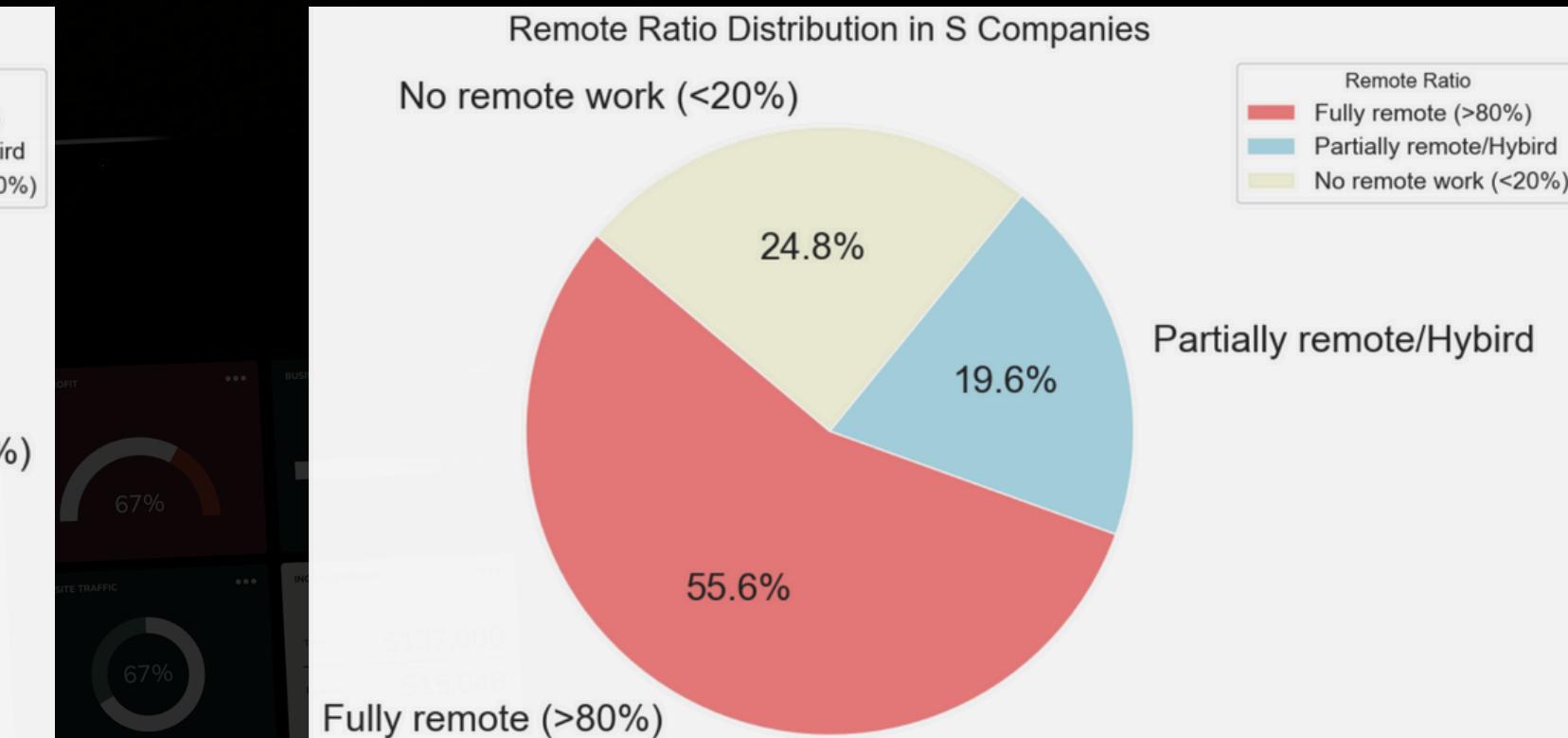
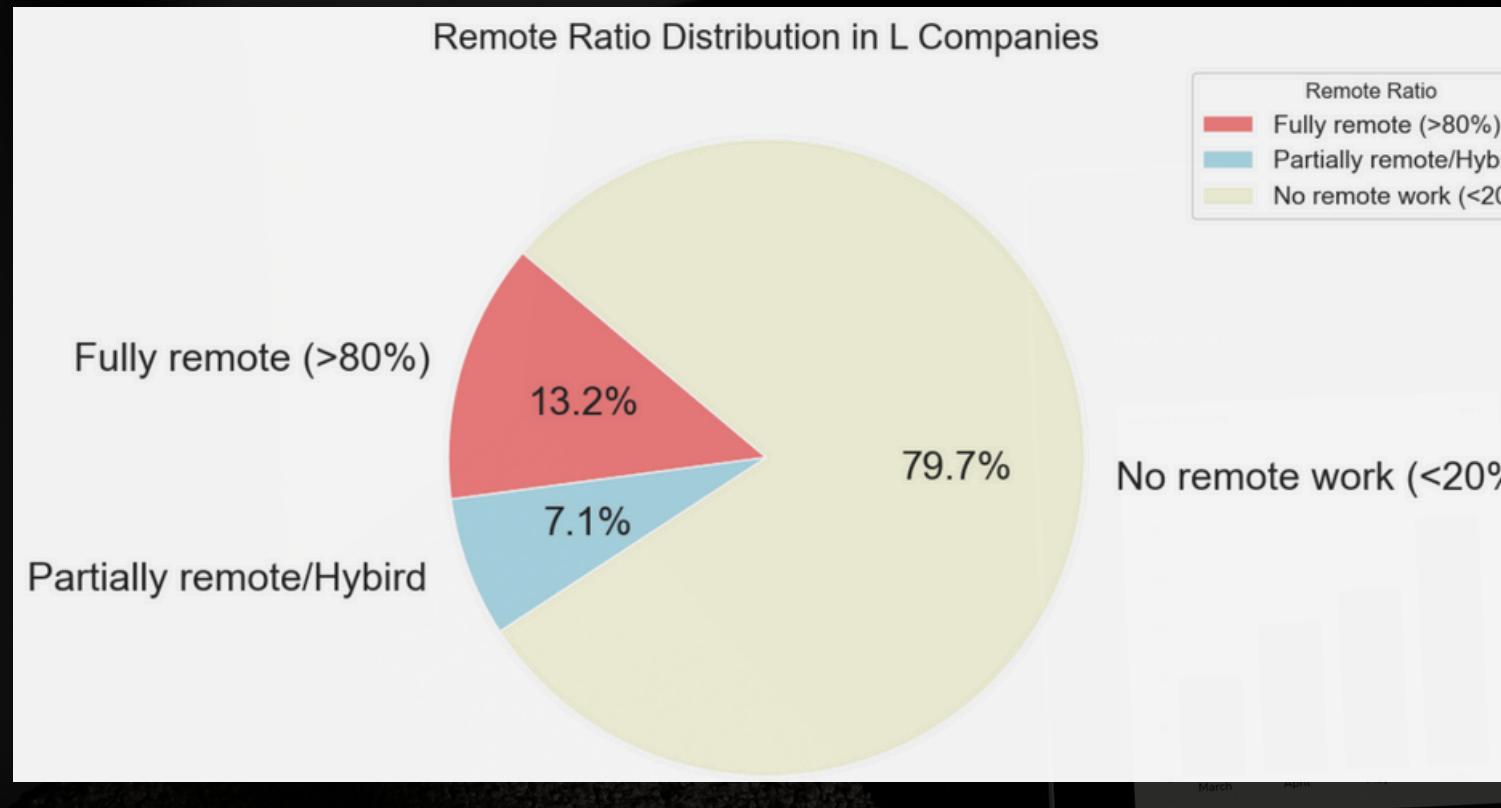
L = LARGE  
M = MEDIUM  
S = SMALL



# COMPANY SIZE IN THE MOST IMPORTANT COUNTRIES



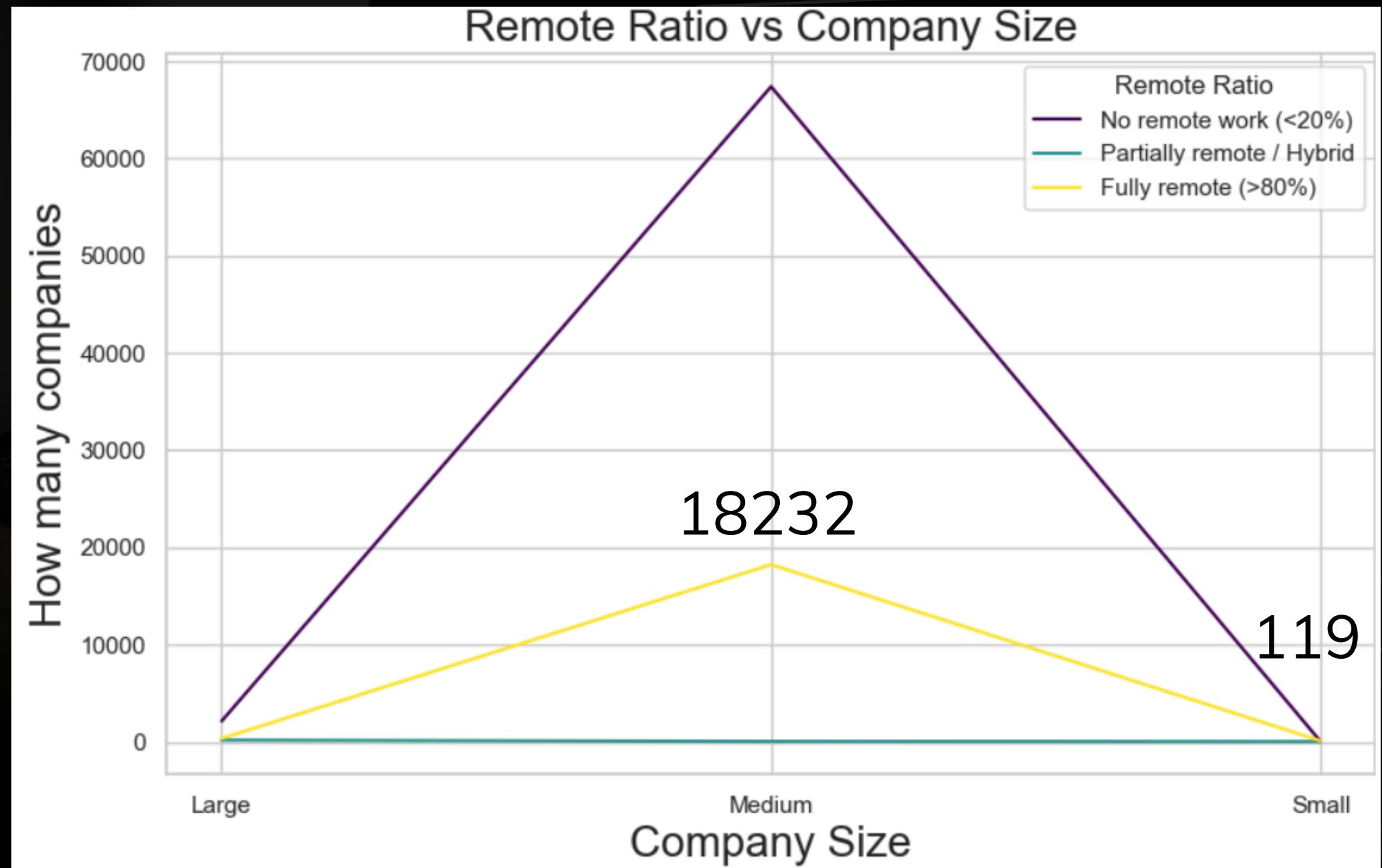
# REMOTE WORK TRENDS



## SMALL COMPANIES

You have a high chance of getting a remote job when all your interview opportunities are with small companies.

# REMOTE WORK TRENDS



## MEDIUM COMPANIES

In terms of quantity, there are more remote opportunities available in medium-sized companies.

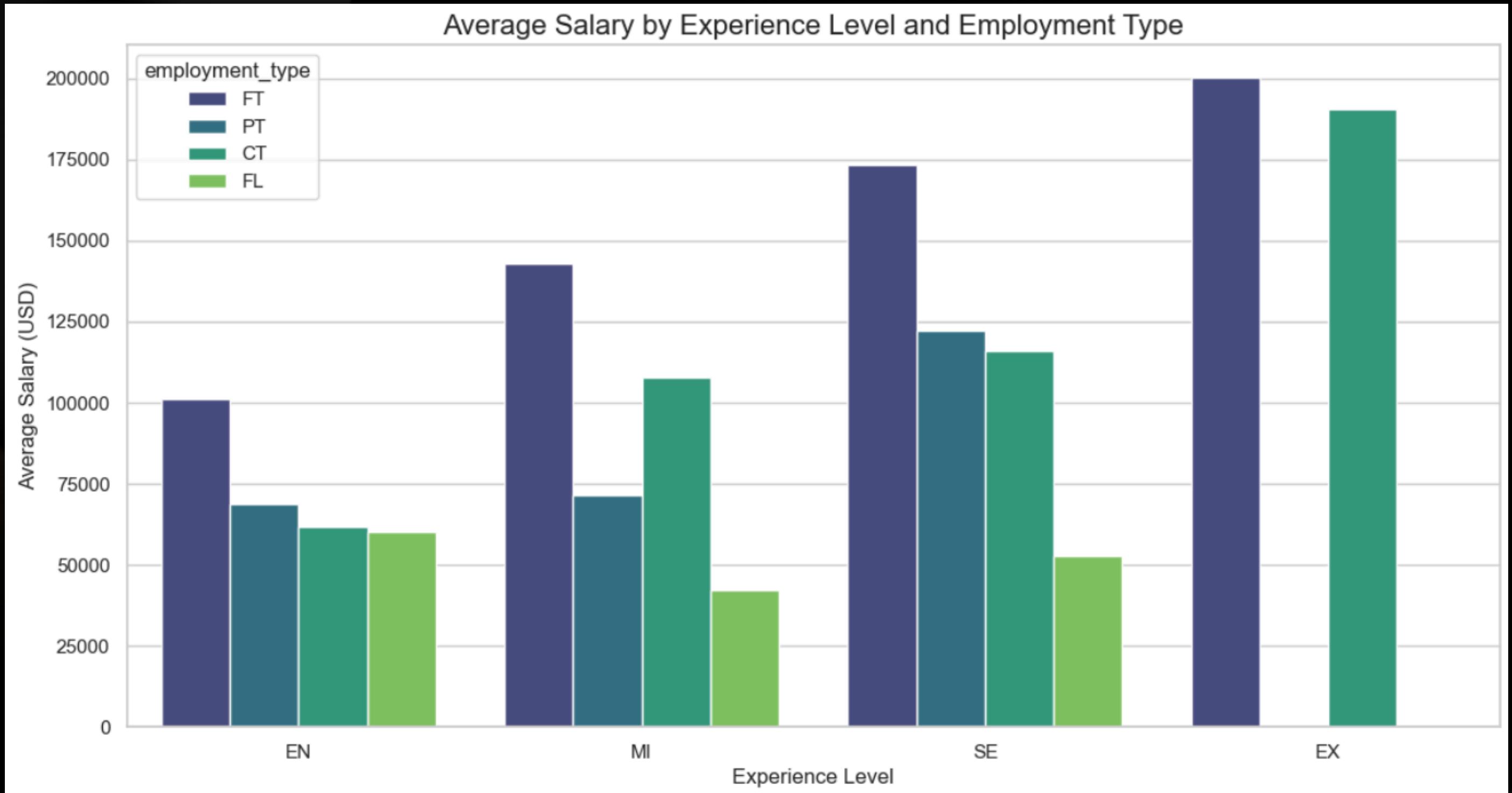
# BEST PAYING JOB TITLES



## DIFFERENT LEVEL OF DATA JOBS

Head of Data, AWS Data Architect, Data Science Tech Lead, and Principal Data Scientist are positions with stable demand in the data industry, and cloud data architecture (AWS) skills are particularly in demand.

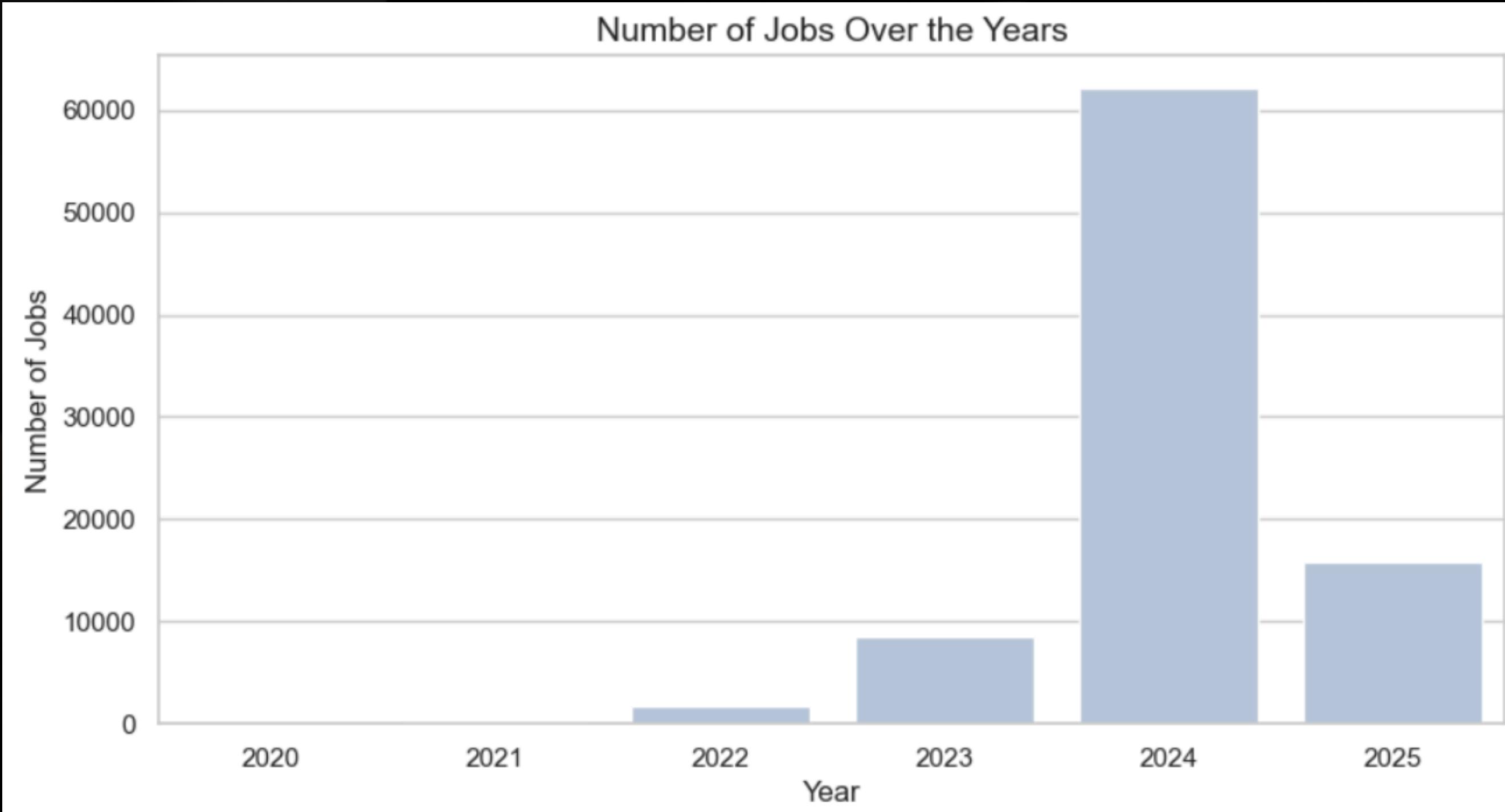
# EXPERIENCE LEVEL & WORK TYPE DISTRIBUTION



## DIFFERENT EMPLOYMENT TYPE

The full-time, contract positions show a steady growth in salary across different experience levels. For freelancers, however, it can be seen that those at the entry level tend to earn better income, so it's good way to start in this area.

# INDUSTRY GROWTH TRENDS



## INDUSTRY GROWTH TRENDS

Significant growth in the number of positions **in** 2024.

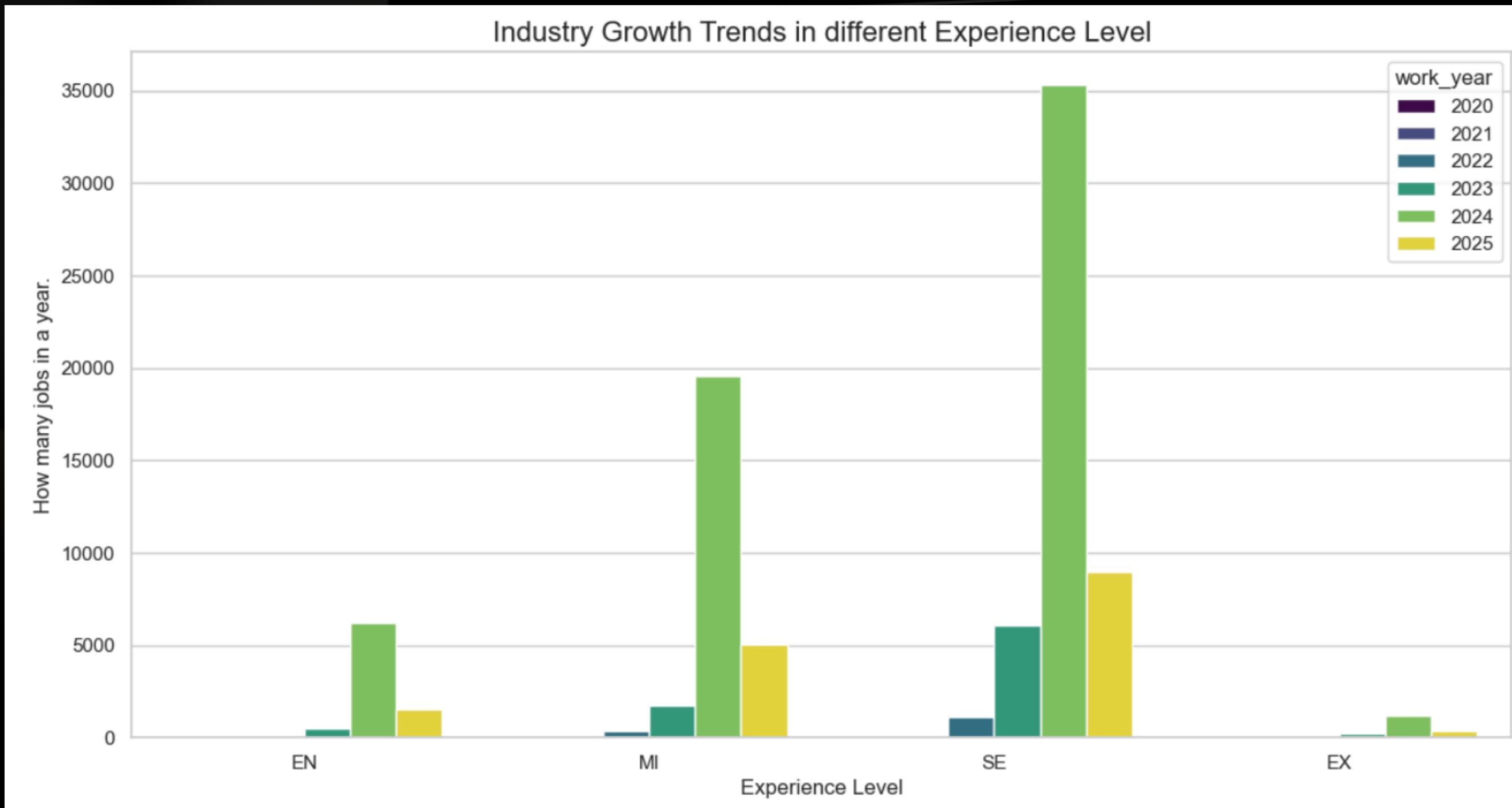
Possible reasons include:

- Surge in demand
- Technological breakthroughs
- Increased investment

Possible Reasons for the Decrease in Job Openings in 2025:

- Incomplete data
- Market saturation

# INDUSTRY GROWTH TRENDS

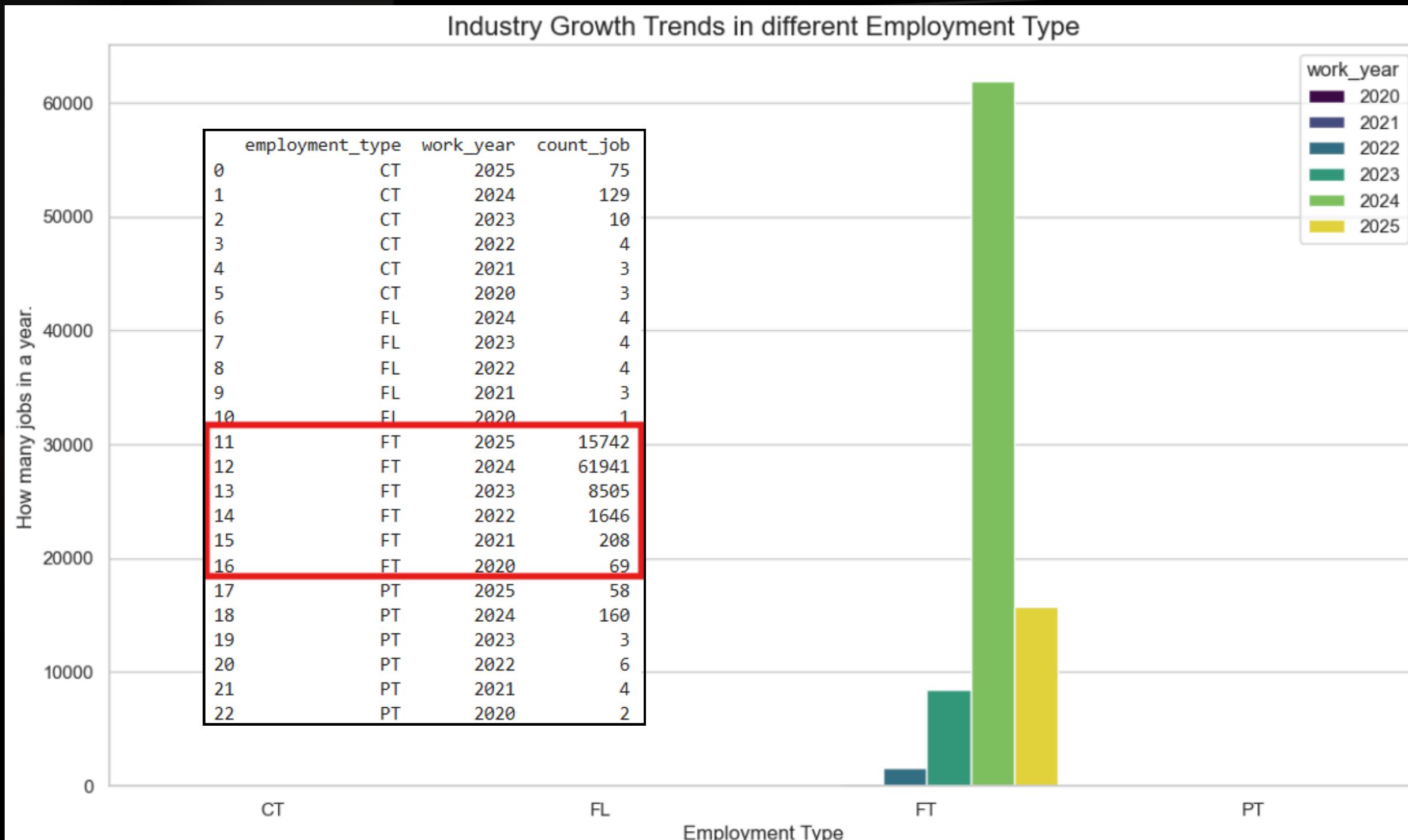


## INDUSTRY GROWTH TRENDS IN DIFFERENT LEVEL

From the chart, it can be seen that the growth in job positions is the largest in the **Mid-level and Senior-level** categories. Possible reasons include:

- Skills demand
- Business development needs

# INDUSTRY GROWTH TRENDS



## INDUSTRY GROWTH TRENDS IN DIFFERENT EMPLOYMENT TYPE

From the chart, it can be seen that most of the employment types are full-time jobs.

GROUND

THE INDUSTRY'S HISTORY

WE WANT TO SAY

# THANK YOU

FOR YOUR ATTENTION

