

# Foreigner Job Market Trend Analysis in USA

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## I. Introduction

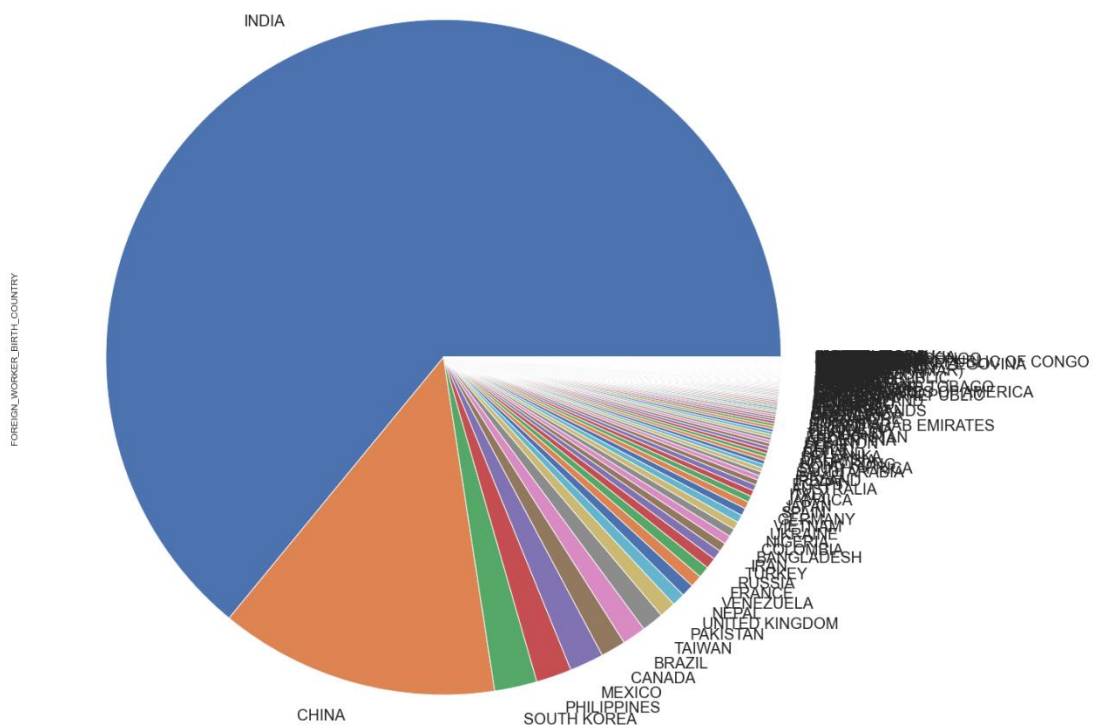
In order to understand the current trend of the US foreign employment market, a comprehensive analysis was conducted based on LCA, PW, and PERM, which are datasets provided by USA DOL. This data analysis is meaningful in providing useful information in preparing for future employment in the United States.

## II. Overall Job Market Trend in USA

### 1. Employee

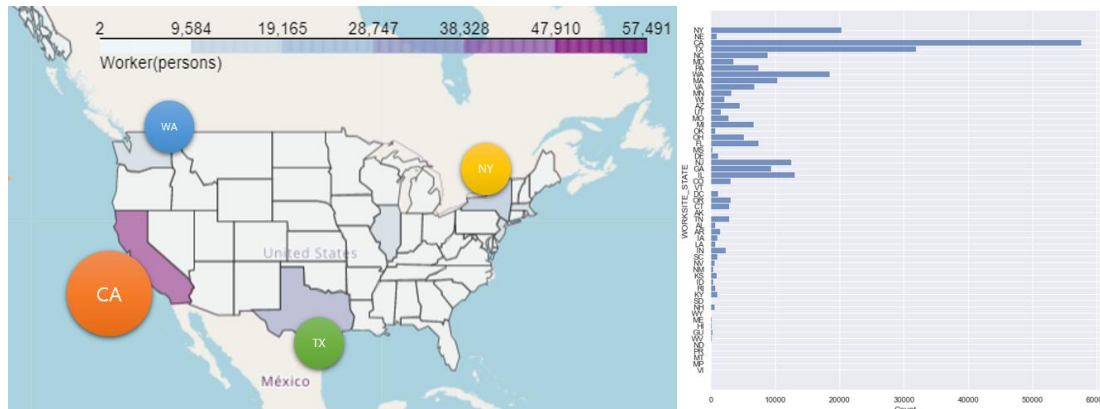
Identify the characteristics and trends of employees flowing into the United States.

#### - Foreigner Employee Country Pie Chart



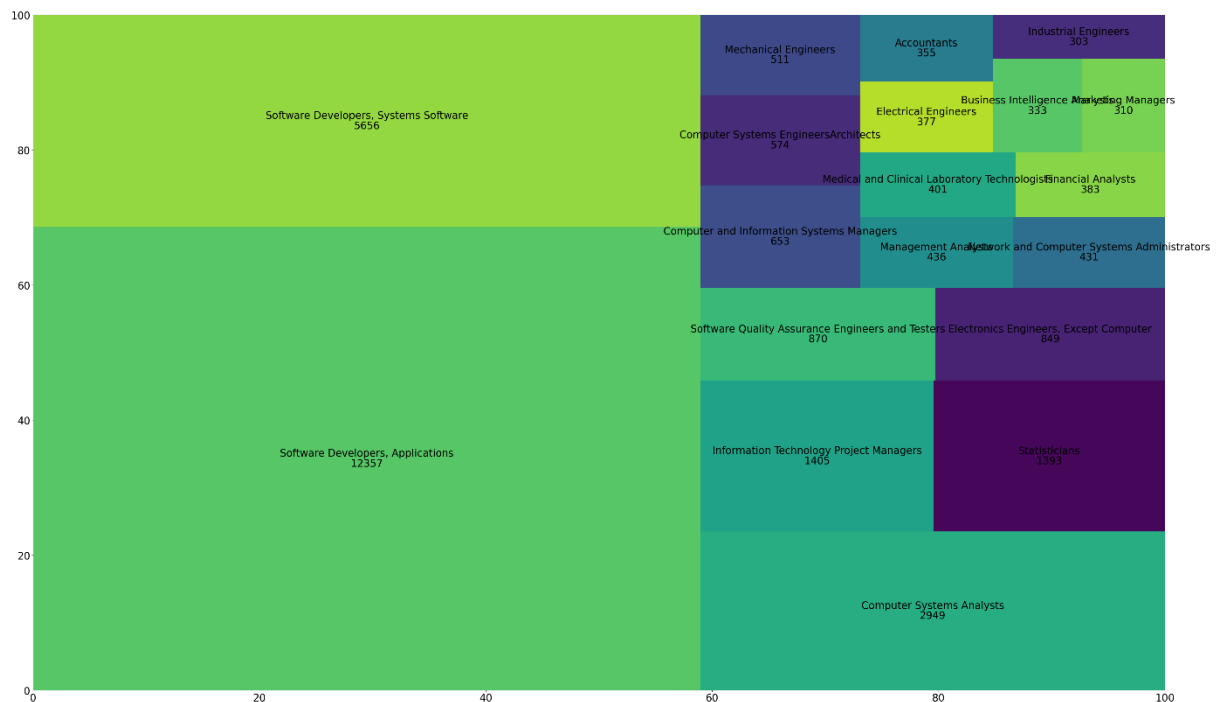
Out of 164 countries, 64% of foreign employees in the United States were Indians, followed by China with 13% and Korea with 2%. Since then, Philippines, Mexico, and Canada have followed in a similar ratio to Korea.

## - Worksite Distribution of Foreigner Worker in USA



According to the data, California had the highest number of foreign workers at 21% of the total 57491 samples, followed by Texas at about 12%. It was followed by New York and Washington.

## - Top 20 SOC Title of of Foreigner Worker in USA Tree Map



Looking at the top 20 SOC of foreign workers, most of the jobs were related to CS, and through the above results, experts in computer jobs around the world intuitively flow into California and Texas the U.S., and India accounts for the largest influx. Based on the above data, it can be inferred that the source of the influx of IT personnel is ‘**Silicon Valley**’ in California and ‘**Silicon Hills**’ in Texas. Silicon Valley is a representative high-tech industrial complex in the United States, with research institutes and companies dealing with various IT and high-tech technologies. In the case of Silicon Hills, Tesla founder Elon Musk announced that Tesla's headquarters will be relocated to Austin, Texas by 2021, and

Samsung Electronics has also selected the second foundry factory site in the U.S. to Texas.

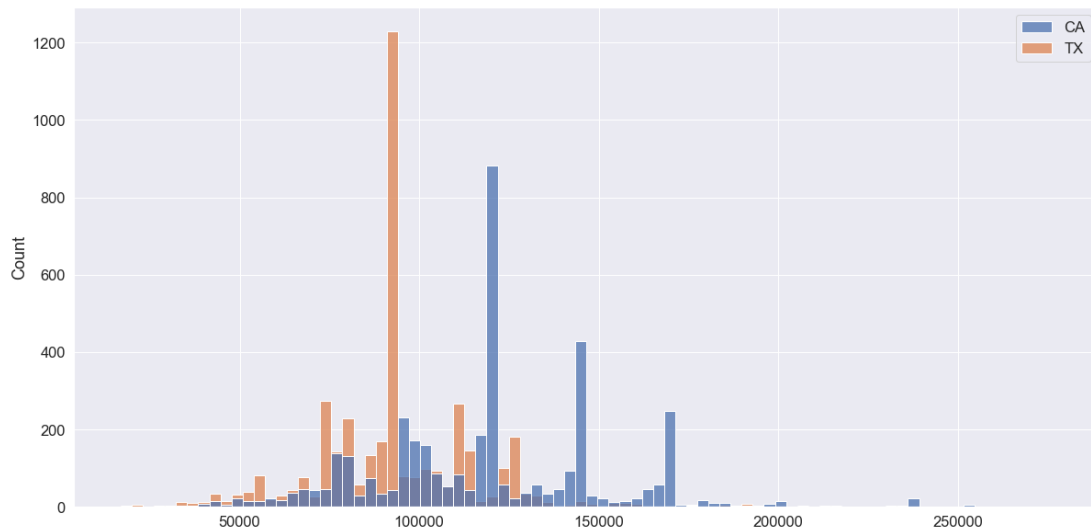


Tesla, electric vehicle manufacturer, "Giga Factory"(left) and Samsung Electronics Austin plant(right) in Texas.

## 2. California VS Texas

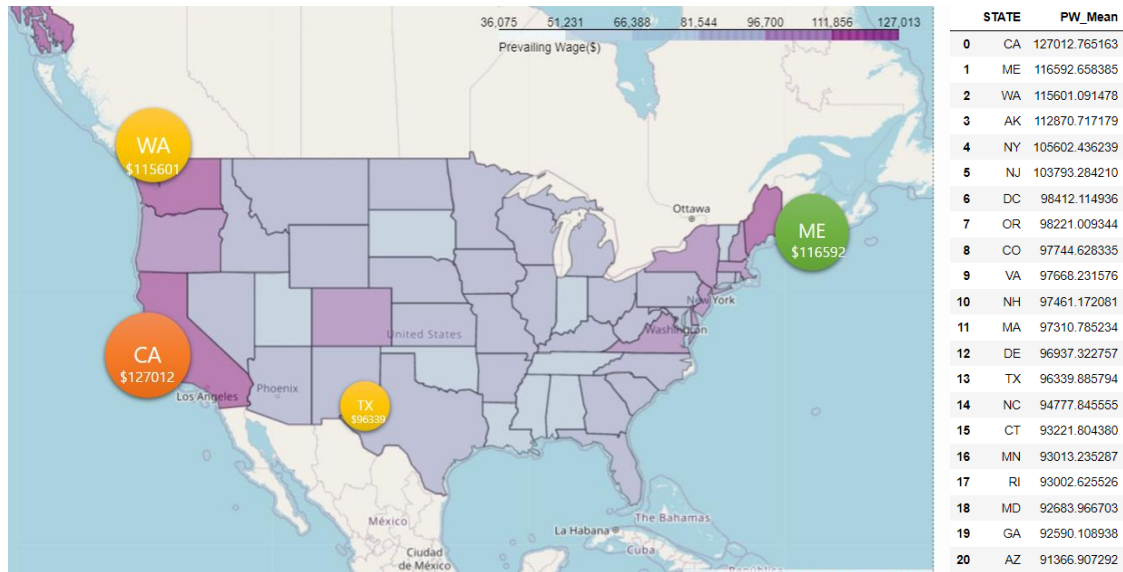
A schematic data analysis confirmed that 33% of foreign workers flowing into the United States were California and Texas. In addition, CS-related jobs and Silicon Valley and Silicon Hills are located in each state suggest that most of the workers entering the U.S. are computer workers and are employed in Silicon Valley and Silicon Hills, where it and advanced industries are developed. Based on this, we checked the difference between California and Texas.

### - Prevailing Wage Distribution histogram in CA & TX



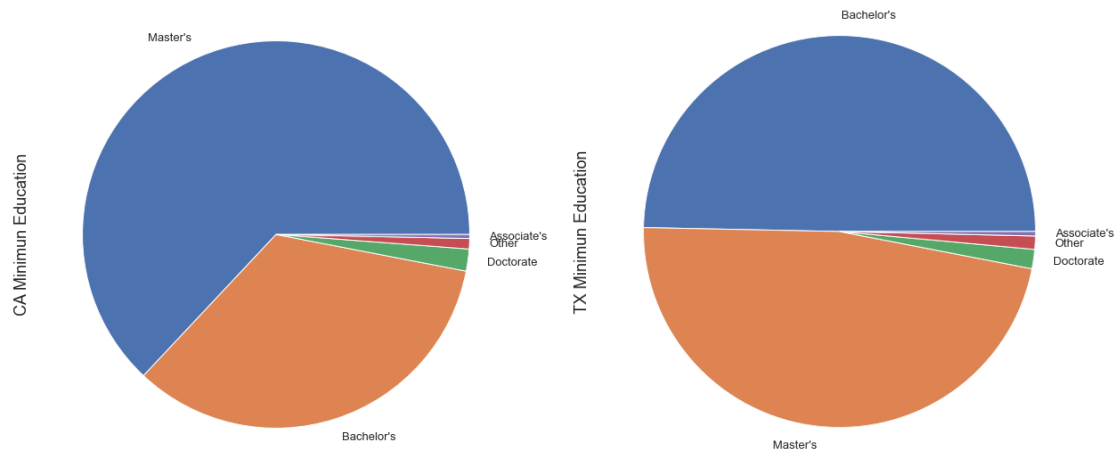
Overall, it can be seen that there is a PW gap of about \$20,000 between California and Texas. There may be many reasons for policy differences or educational background differences between states, but the main reason will be California's murderous prices.

## - Distribution Prevailing Wage in USA



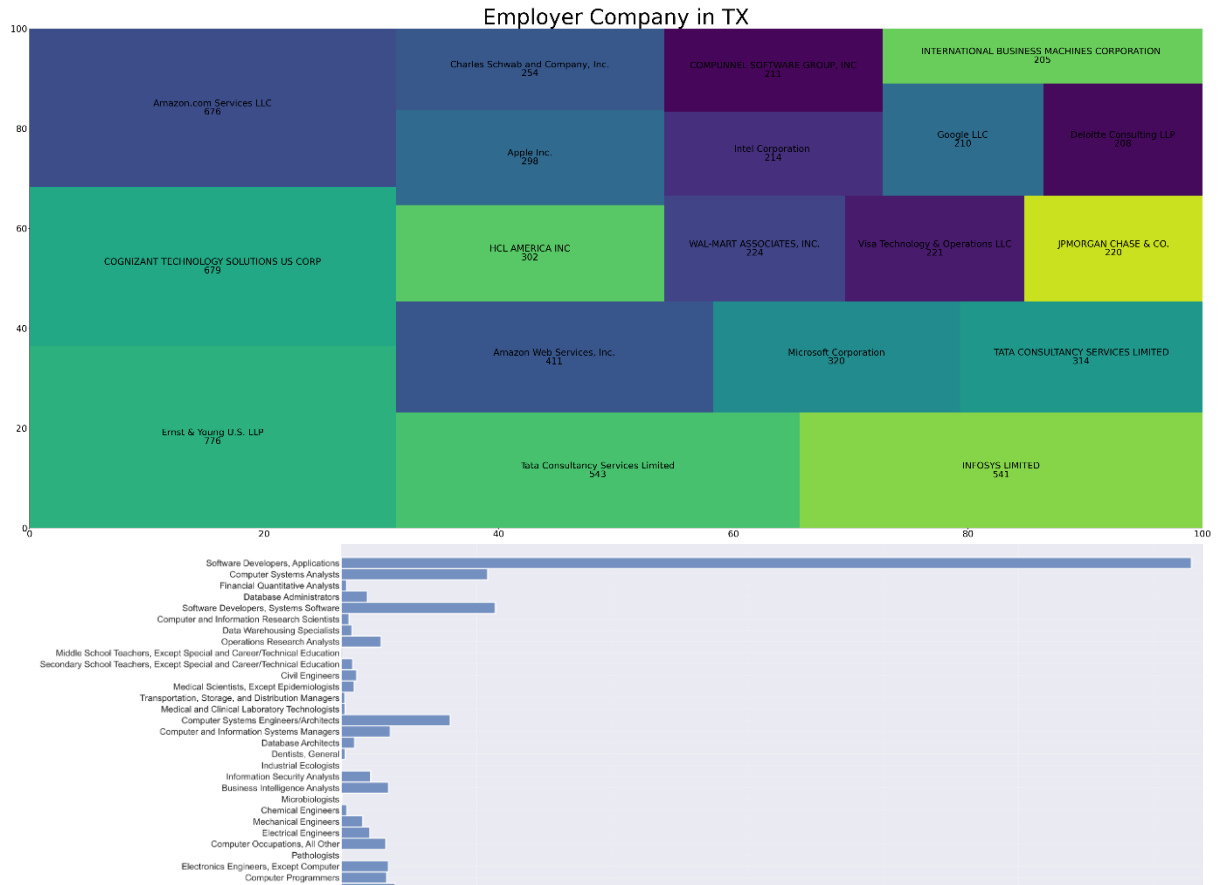
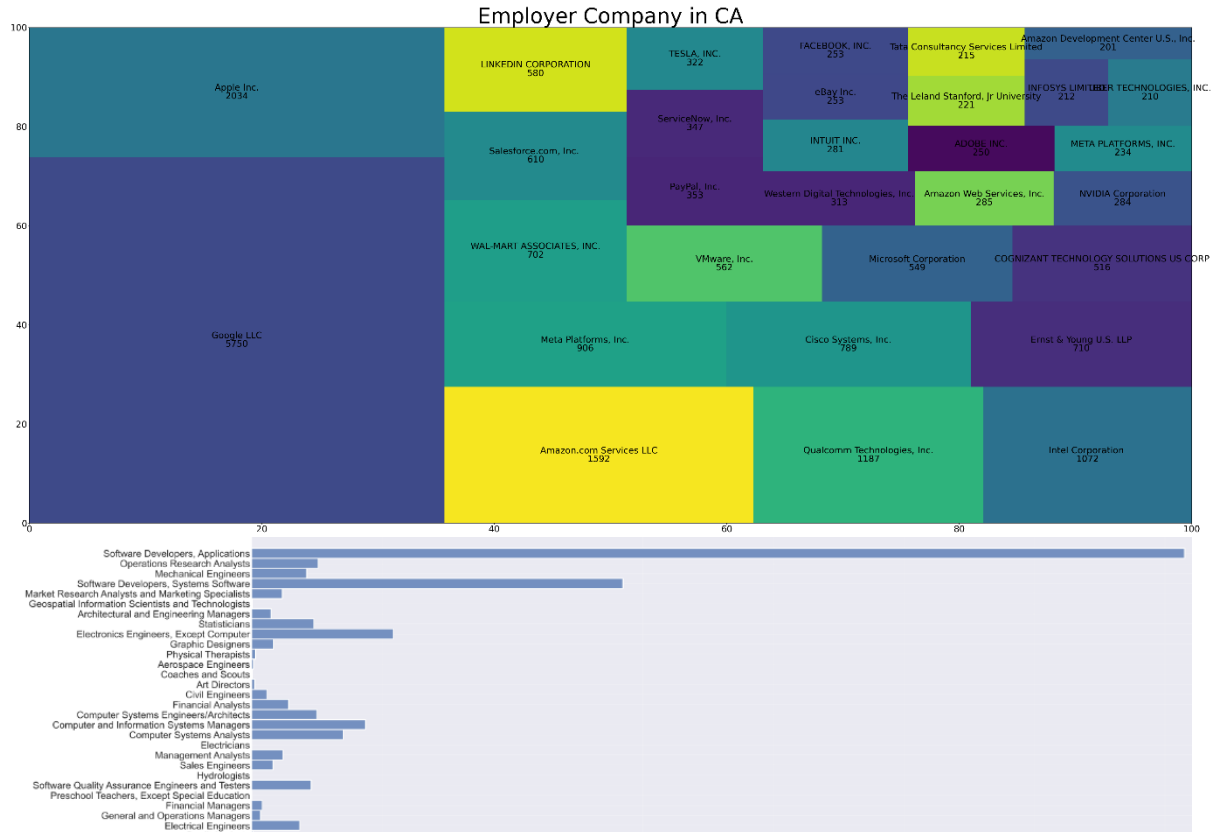
Also, compared to other states, Texas' PW was not very high. On the basis of LCA dataset, the PW average was an overwhelmingly high approximately \$127,000, and for TX it ranked 13th out of approximately \$96,000 50 states.

## - Minimum Education Pie Chart in CA & TX



Compared to California and Texas, California had a relatively higher percentage of masters than Texas, and Texas had a relatively higher percentage of bachelor's degrees. It can be confirmed that the difference in PW confirmed above also exists due to the difference in educational background.

- Employer Company in CA & TX

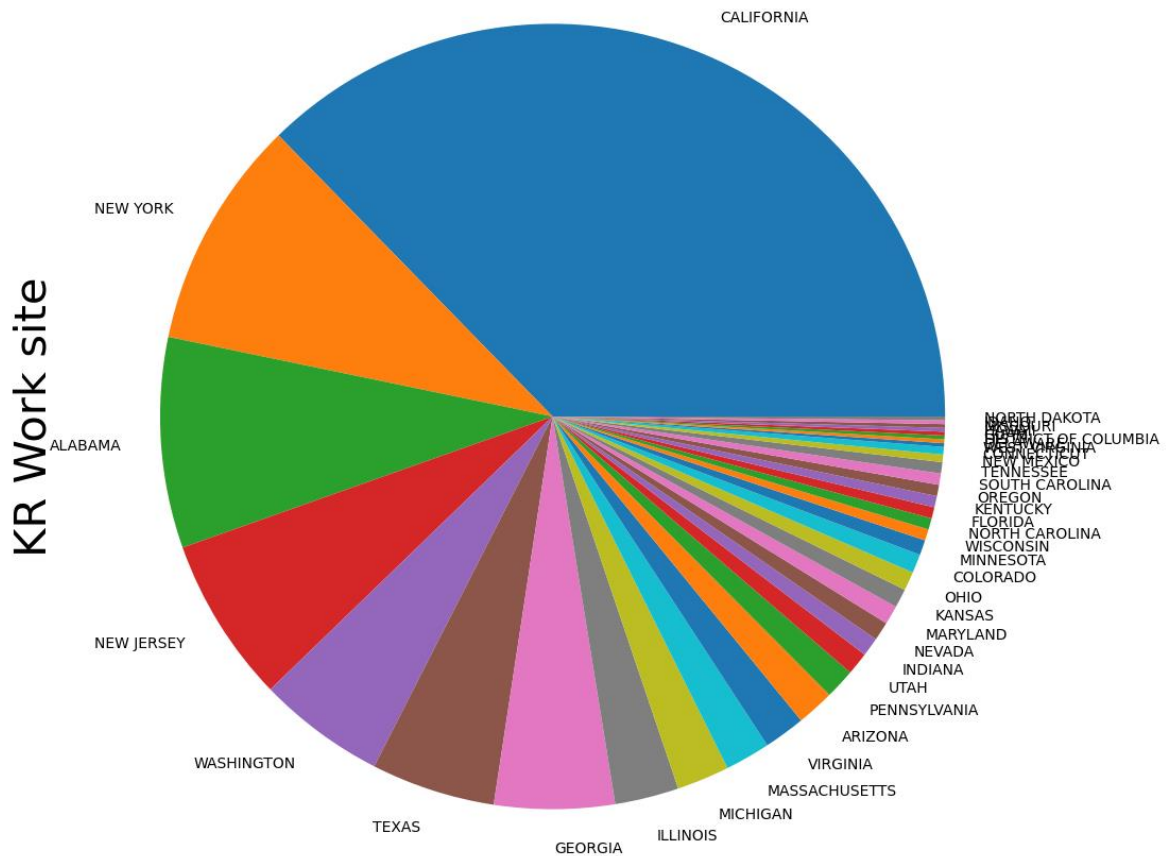


Commonly in CA and Tx states, computer jobs were dominated, and all but a few companies were IT companies. Moreover, it was confirmed that many of the major companies of CA and TX overlap. (Google, Apple, Amazon, Intel, etc.)

### III. Korean Job Market Trend in USA

Through the previous analysis, we briefly analyzed the current employment trends and characteristics of the United States. This time, we will analyze the data of Koreans entering American society to understand the fields and characteristics of Koreans entering American society.

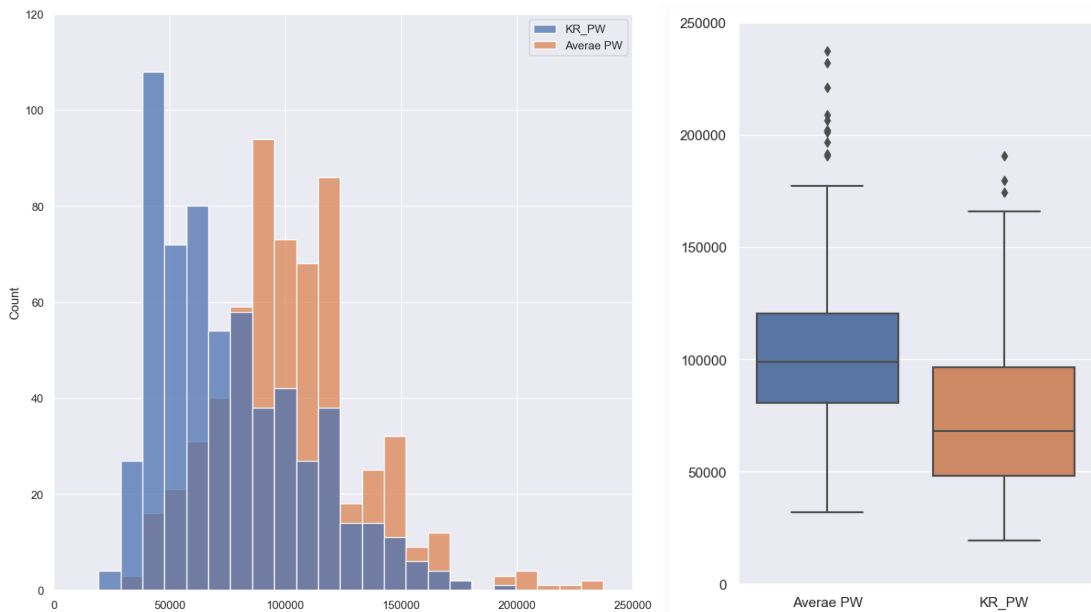
#### 1. Worksite



Similar to the overall statistics, California topped the list with an overwhelming 37%. It was followed by New York and Alabama. In the case of Alabama, LG Electronics is operating a factory in Huntsville and Hyundai Motor is operating a local factory in Montgomery, so it is estimated that it will be ranked high because the southern states have the second largest number of Koreans after Georgia. Uniquely, it can be seen that TX is less popular because it is limited to Koreans. Like Silicon Hills, Texas has enough IT industries and infrastructure, but it can be confirmed that Koreans are not yet highly aware

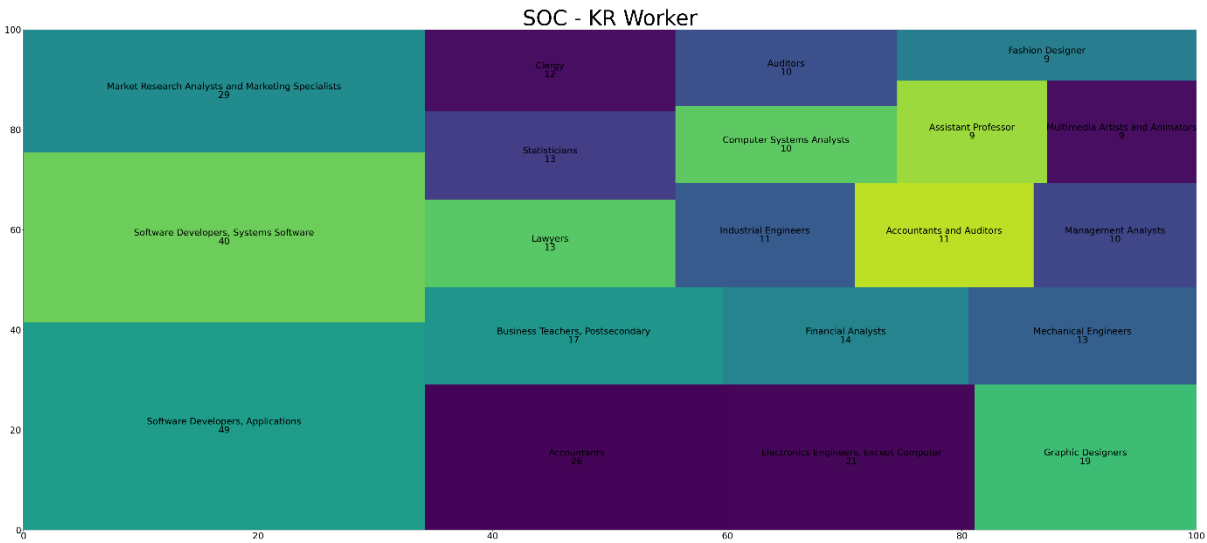
of Texas. This may be the influence of Texas' conservative political orientation and the image of Redneck, which often appears in the media.

2. Prevailing Wage



The analysis randomly extracted and compared the number of samples of the data to 600, and the average of the average PW of the extracted dataset was \$102,439, and the average of KRPW was \$75,770. Unfortunately, it has been confirmed that the PW of Koreans is 26% less than the overall PW of American society. Overall, it can be seen that all sections were lower than the average PW, and the distribution was more skewed downward.

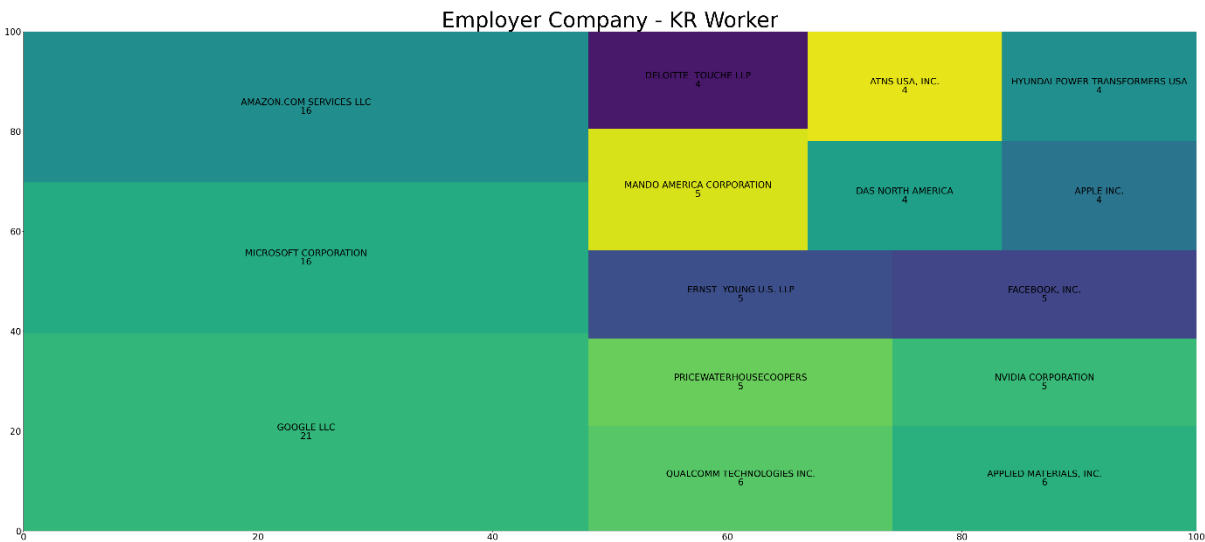
3. SOC Title



Although application and system software, which are still in the CS field, account for the

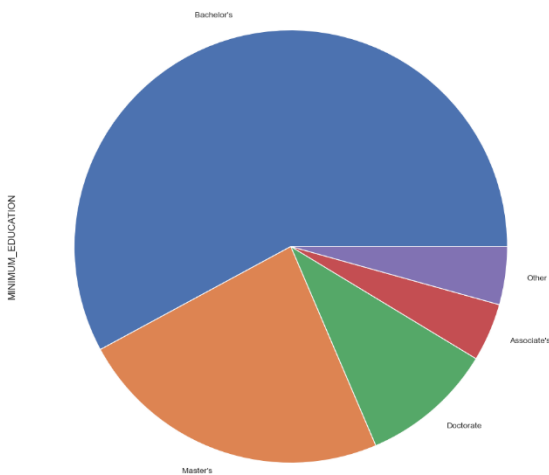
main SOC, it can be seen that Koreans are employed in relatively various fields.

4. Employer Company



Representative IT companies such as Google, Microsoft, and Amazon ranked, all of which are presumed to be located in Silicon Valley.

5. Education



More than the above mentioned bachelor's degree in CA and TX, 55% have a bachelor's degree, and about 24% have a master's degree. In the unique part, it can be seen that the ratio of doctors increased slightly compared to the relatively low ratio of masters. This is considered to be closely related to Korean sentiment, which is considered a relatively common route to enter the U.S. by going to the U.S. with a master's degree at a domestic graduate school.



## IV. Conclusion

In conclusion, it was confirmed that the trend of the US foreign worker market was generally very focused on the CS field in time for the 4th industrial period. Through this, many workers are flowing into California and Texas, which are building high-tech IT industrial complexes. Korean also showed a similar pattern overall according to this trend, but it was confirmed that the PW was relatively 26% lower than other foreign workers on a PERM dataset basis. In addition, it can be seen that the proportion of Koreans entering Texas is relatively small, which is likely to be somewhat negative for Koreans to recognize Texas. However, Texas is cheaper than California in terms of prices and taxes, and a number of star companies are currently located in Silicon Hills, and large companies are also building a number of factories on the Texas site. It is believed that it is an important time to grasp the possibility of Texas, not California, such as Mitch Red Ocean, in order for Koreans to enter the U.S. stably and strategically.

## Reference

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