H-1B Visa Petitions

APPROVED   DENIED

IST 719 - Information Visualization

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STORY

The H-1B is an employment-based, non-immigrant visa category for temporary foreign workers in the United States. Every year US immigration department receives over 200,000 petitions and selects 85,000 applications through a random process. We will provide key insights for selected H-1B visas on basis of job titles, location and job sector.

DATA DESCRIPTION

The dataset contains six year's worth of H-1B petition data, with approximately 3 million records overall. The columns in the dataset include case status, employer name, worksite coordinates, job title, prevailing wage, occupation code and year filed.
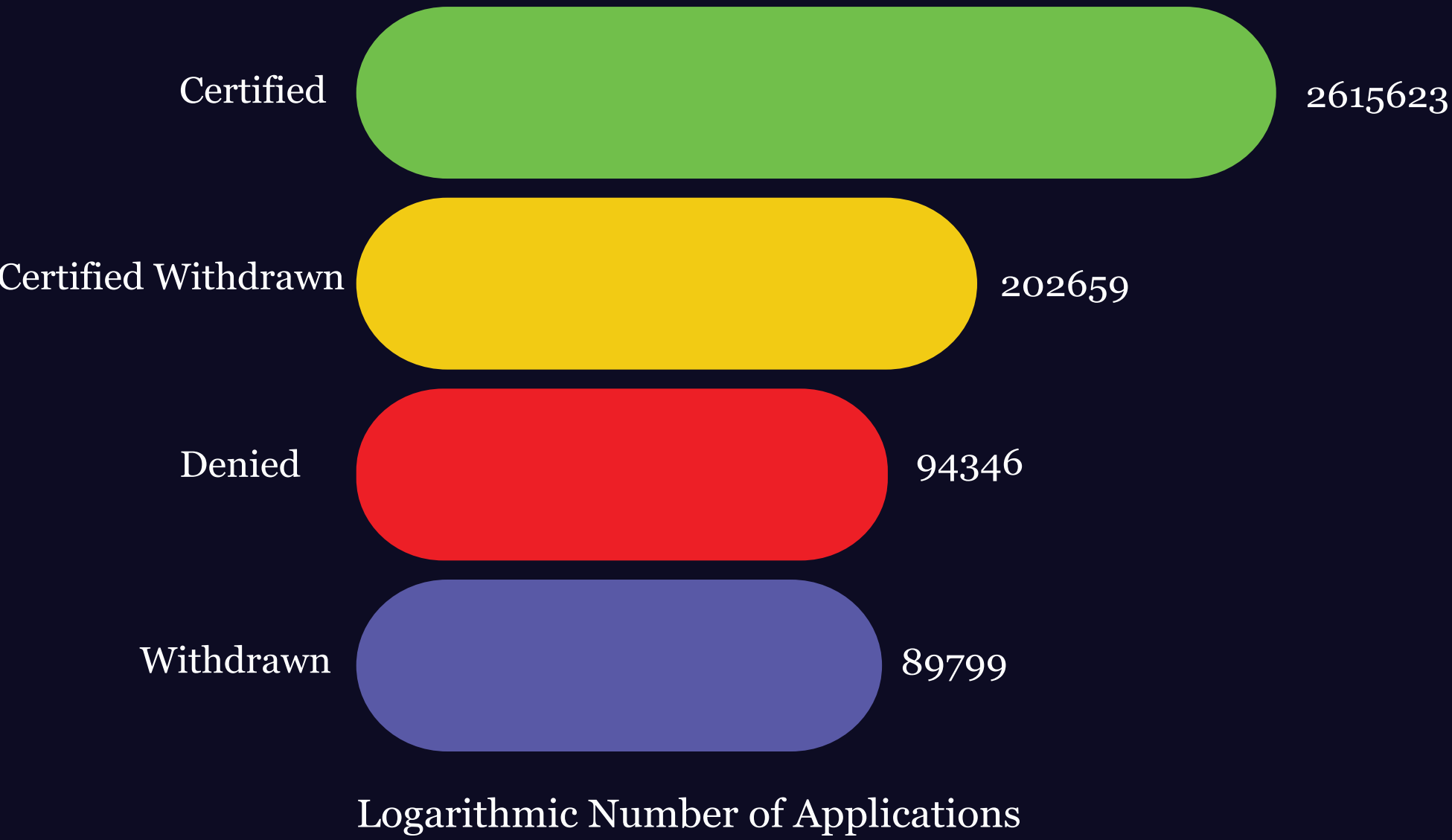
AUDIENCES

The visual information represented in this poster provides a holistic and deeper view of the states, companies, and job title with the most number of certified H-1B visas. This will be helpful for:
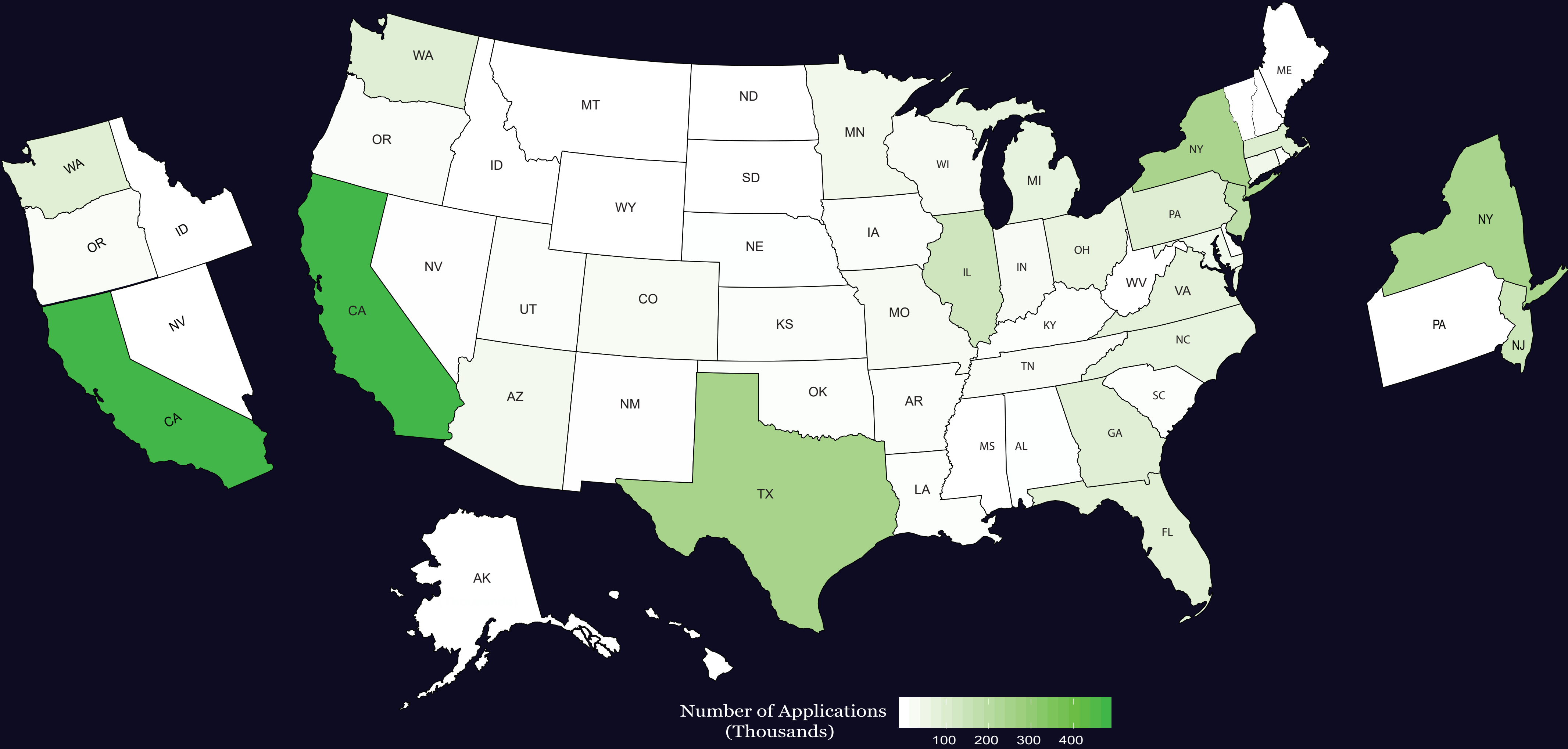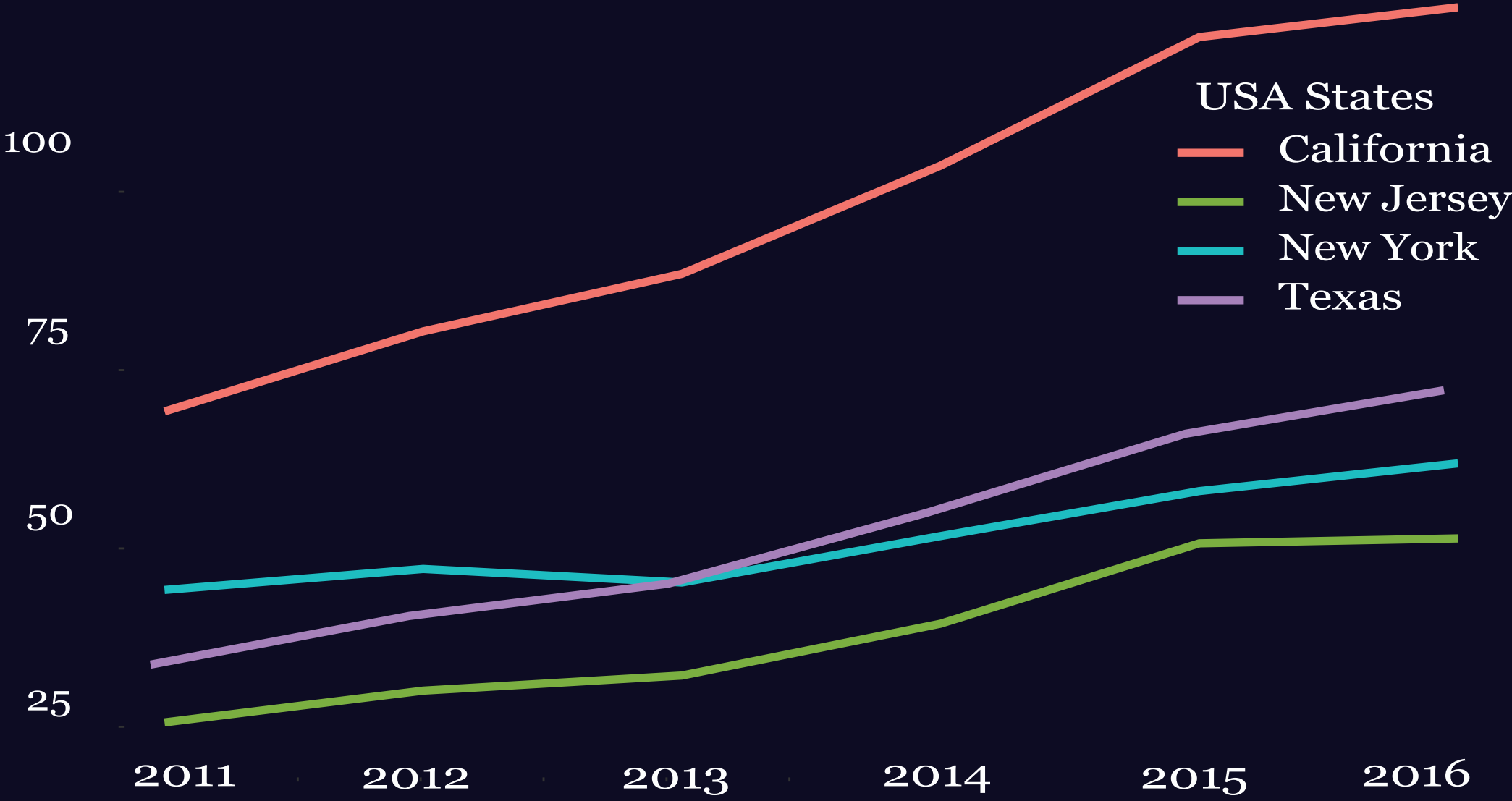1) International students who aspire to work in the US after graduation
2) Foreign workers currently working or trying to work in the US

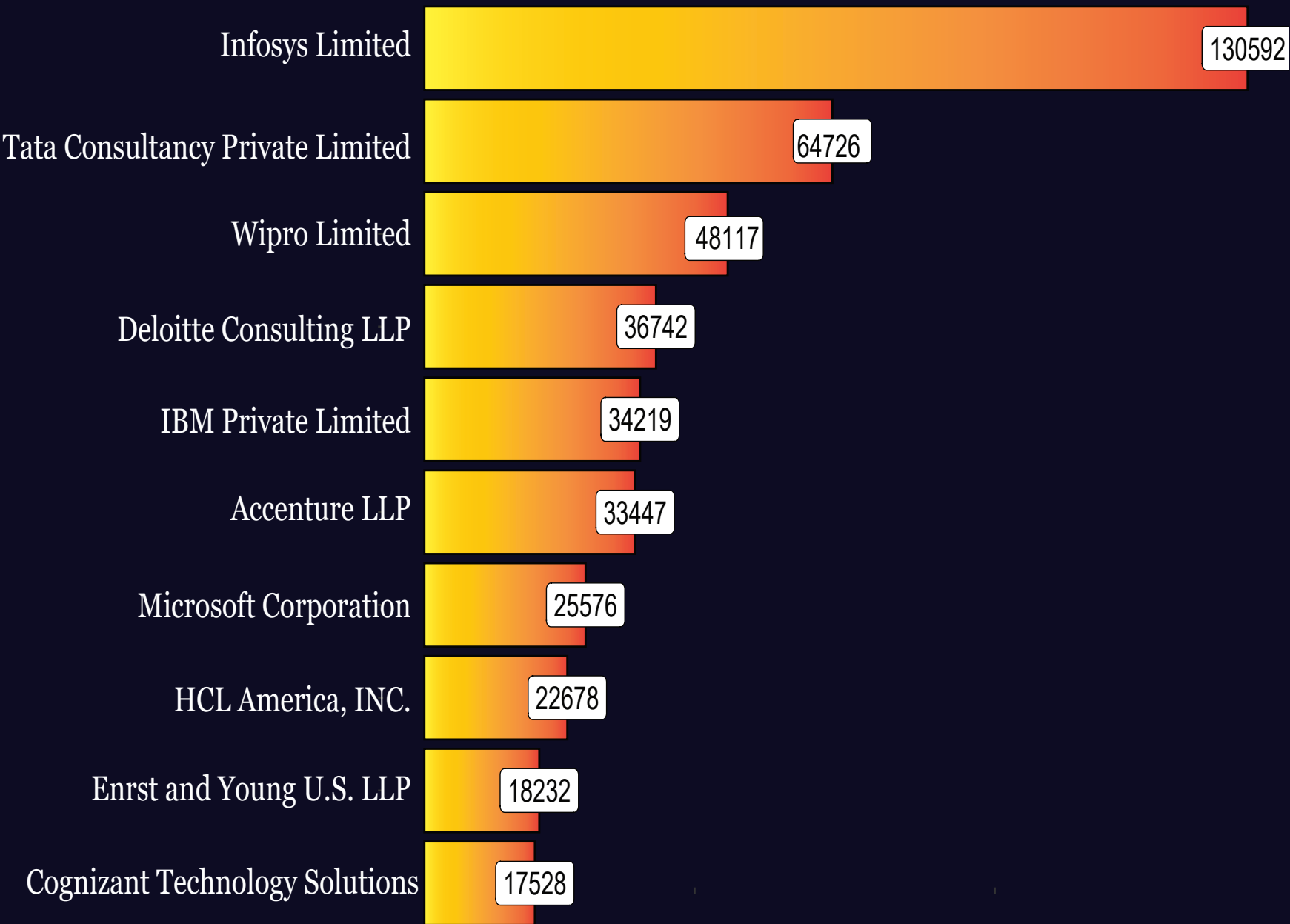## What is the Recipe to get H-1B Certified Application?
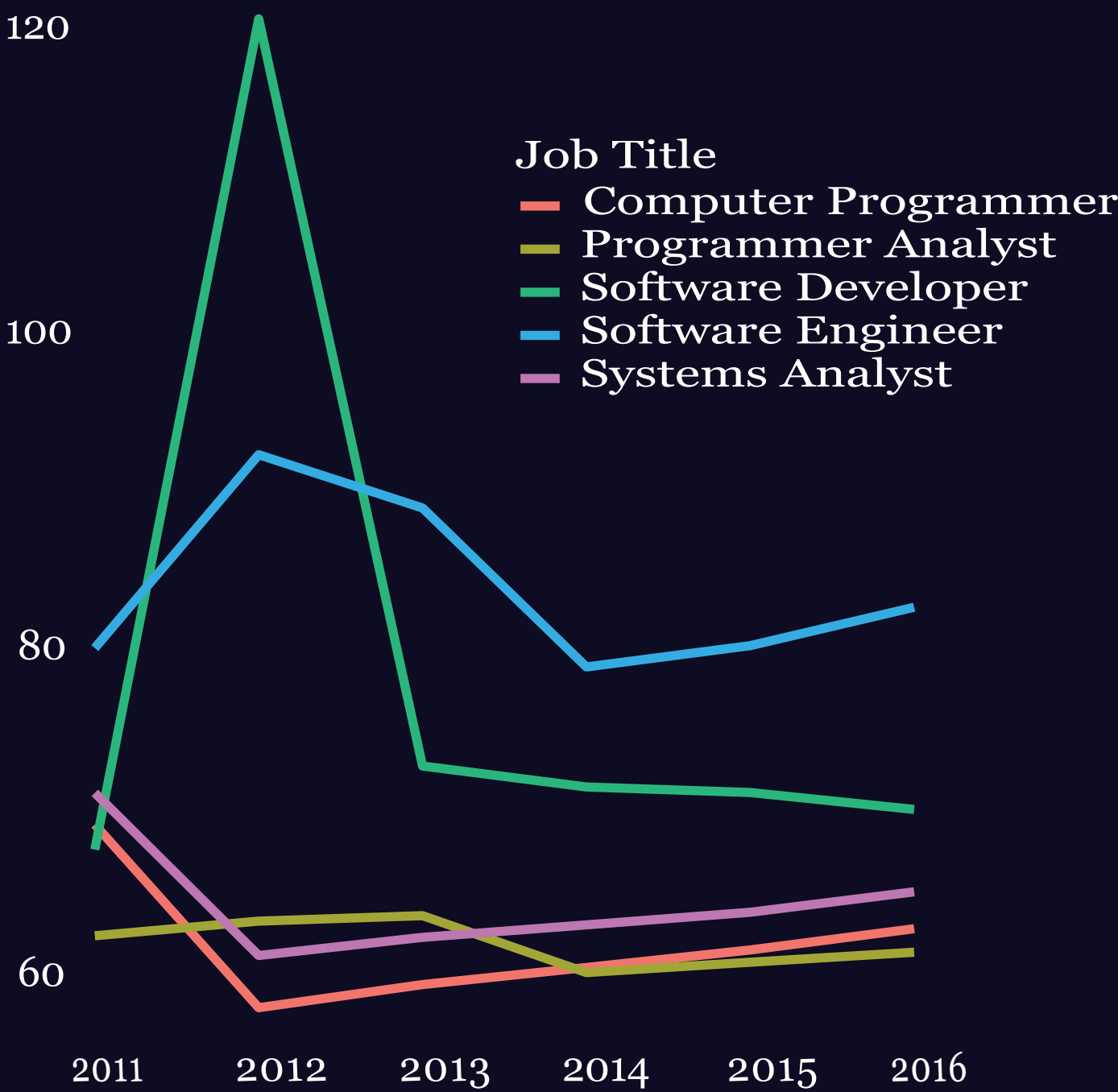
Current Status of H-1B - Applications

Status	Value
Certified	2615623
Certified Withdrawn	202659
Denied	94346
Withdrawn	89799

Logarithmic Number of Applications

Number of Applications (Thousands) for States each Year

USA States
- California
- New Jersey
- New York
- Texas

(100, 75, 50, 25) — 2011, 2012, 2013, 2014, 2015, 2016

Number of Applications (Thousands) — 100 200 300 400

Top 10 Companies filing the most number of H-1B petitions

Company	Petitions
Infosys Limited	130592
Tata Consultancy Private Limited	64726
Wipro Limited	48117
Deloitte Consulting LLP	36742
IBM Private Limited	34219
Accenture LLP	33447
Microsoft Corporation	25576
HCL America, INC.	22678
Enrst and Young U.S. LLP	18232
Cognizant Technology Solutions	17528

Average Salary ($ Thousands) of Top 5 Job Titles per year

Job Title
- Computer Programmer
- Programmer Analyst
- Software Developer
- Software Engineer
- Systems Analyst

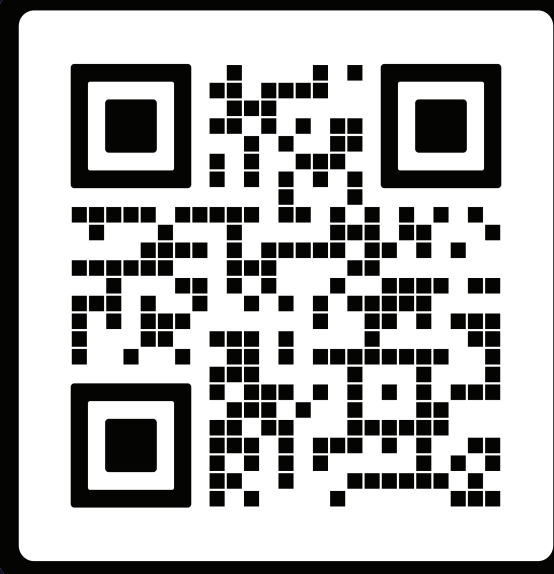(120, 100, 80, 60) — 2011, 2012, 2013, 2014, 2015, 2016

PACKAGES

1) ggplot2
2) dplyr
3) ggmap
4) usmap

DATA SOURCE

SCAN ME