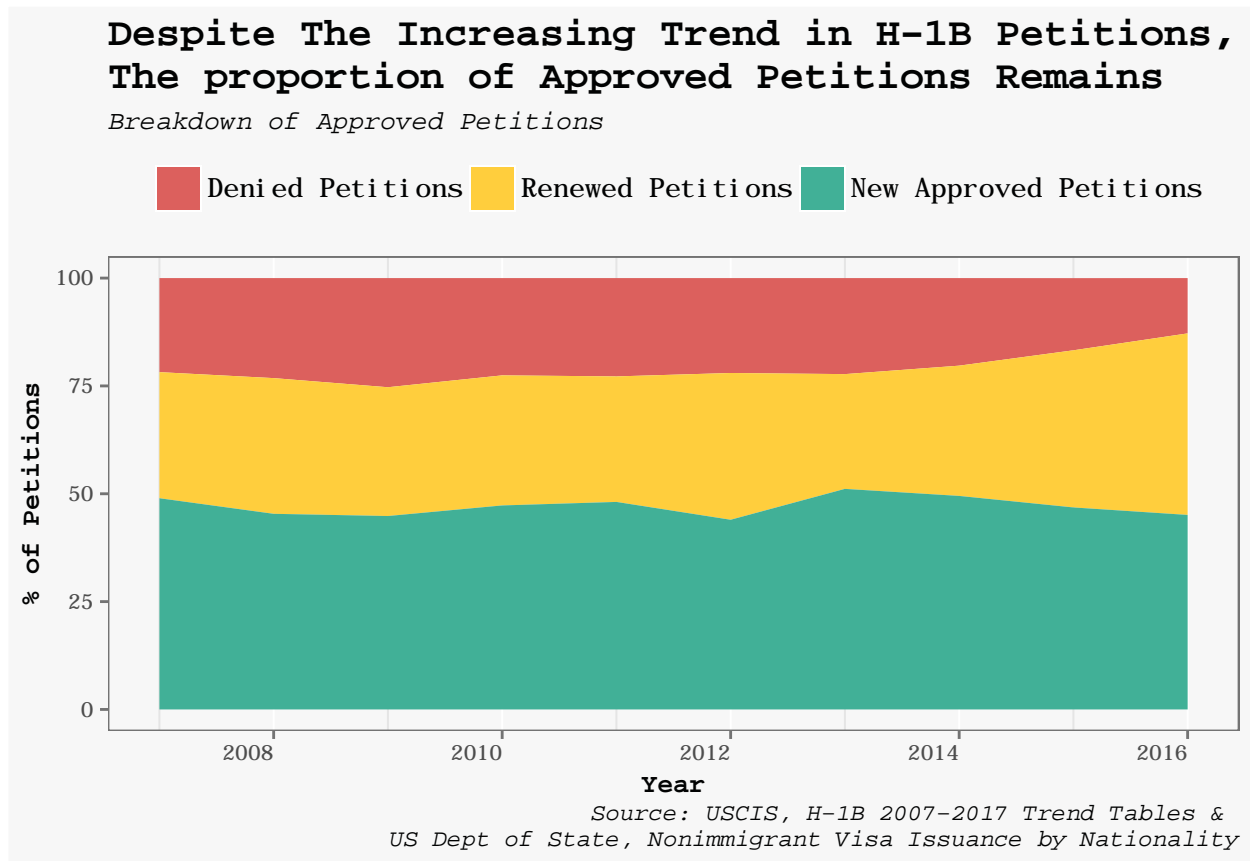


Final Portfolio - Static

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First Chart: H1-B Petition Approval Breakdown (100% AREA CHART)

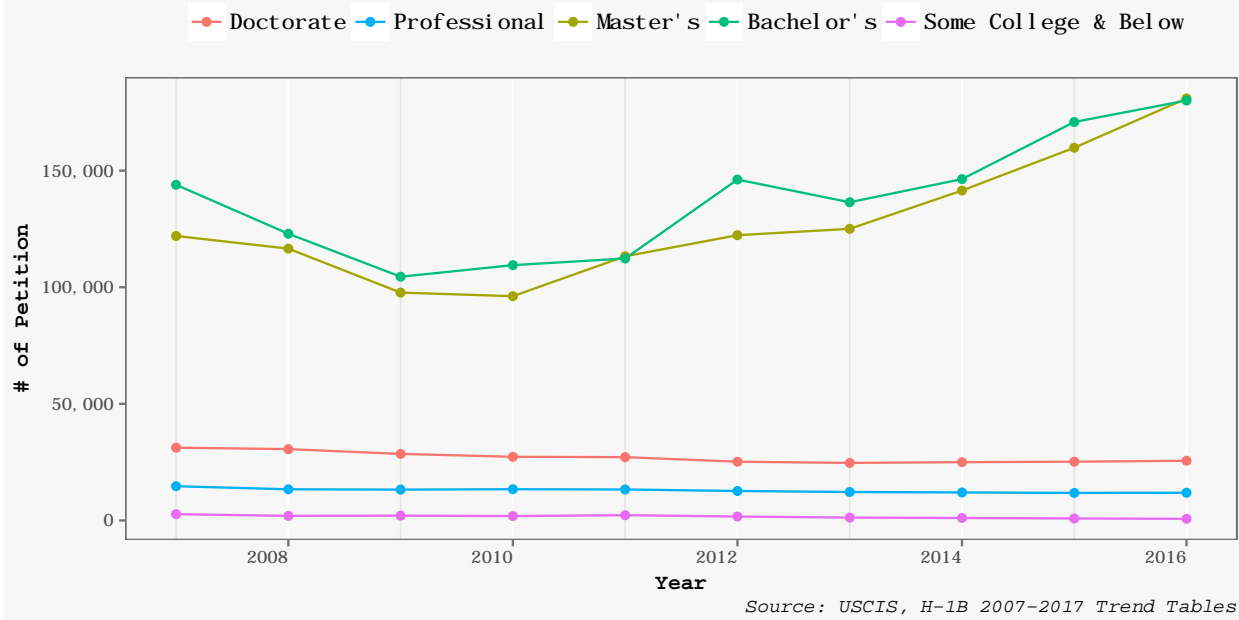


The graph is showing H1-B petition approval trends in the 10-year period from 2007 to 2016. 'Denied' signifies the proportion of petition request that were denied by the USCIS. The 'Renewed Petitions' area signify a portion of petitions that are approved for continuing workers with prior H1-B. As the name suggest, the 'New Approved' area signifies only the portion of the petitions that are approved for entirely new H1-B for new workers.

Second Chart: H1-B Petition Beneficiary's Education Level (LINE CHART)

H-1B Visa Holders mostly holds Bachelor's Degree, but Master's degree holder always come close second.

Visa holders without the minimum requirements of Bachelor's Degree are still around, but they are decreasing in numbers.



As the title suggests, this chart aims to display the academic make up of yearly H1-B petitioners. Since H1-B is a visa aimed for admitting highly-skilled individual, it is not surprising to see people who have 'less than a bachelor degree' would be less likely to apply. At the other end of the spectrum, Master's Degree petitioners are slowly taking over their Bachelors Degree counterpart in terms of volume. This might mean that H1-B petitioners are getting smarter, and the additional 20,000 master's quota might be just as overcrowded as the regular visa cap.

Third Chart: H1-B Petition Income Make Up (BAR CHART)

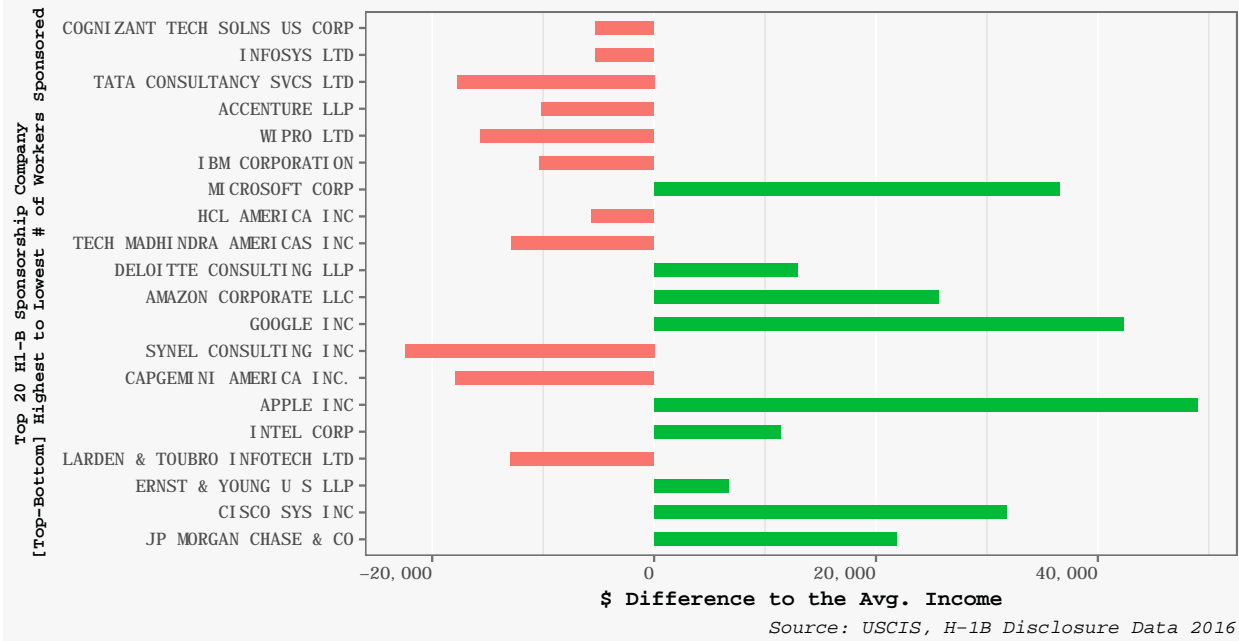


In this chart, we can explicitly see that H1-B petitioners over the years are getting paid higher than their predecessors. This trend might be caused by the prevalence of high-paying technology jobs that attracts top international talent and therefore requires H1-B certification. It might also be caused by the perpetually rising administration cost for h1-b visa that can be cost-prohibitive for interested applicants in lower income brackets. There are numerous claims by resercher that H1-B workers are generally paid less than their American counterpart. The project will try to dig deeper on that claim.

Fourth Chart: Top 20 H1-B Sponsors of Approved Petition Wage Comparison (NEG BAR CHART)

Offshore Outsourcing Companies Tends to Pay Lower Wages.

Top 20 H1-B Sponsors Avg. Wage Offer Compared to the Average Income of H1B Workers (Avg. 2016 H1B Wage = \$89,590)

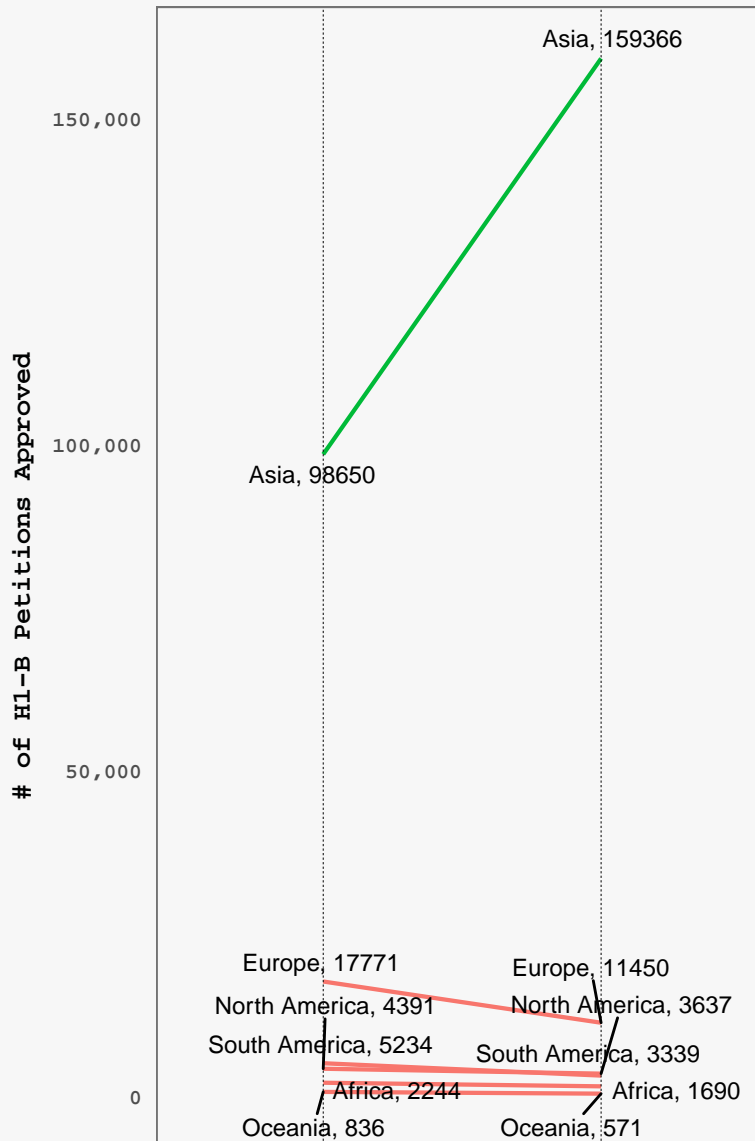


The top 5 h1-b sponsors are actually paying their workers less than the average wage of h1-b workers in 2016. This might be an interesting starting point in finding proof to the h1-b underpayment problem. Further in-depth investigation towards industry and job specific income standard are in order.

Fifth Chart: 5-Year Change in H1-B Approved Petition (SLOPE CHART)

Significant increase in Asian H-1B Workers

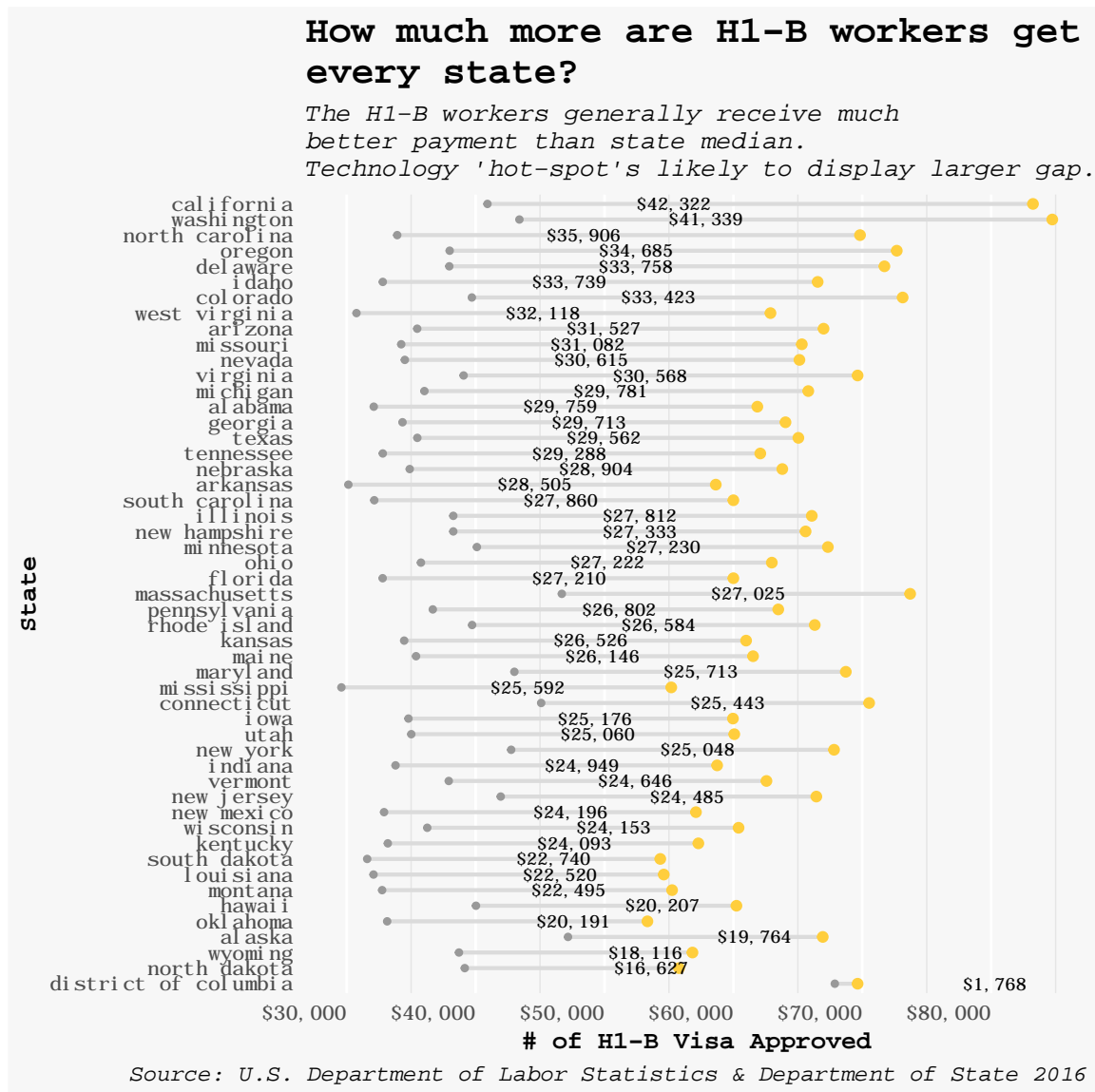
Change in the # of Approved H1-B Visa in the Last 5 Years



*Source: US Dept of State,
Nonimmigrant Visa Issuance by Nationality*

In this chart, international workers from Asia not only dominates the general make up of approved h1-b visa, but it also the only one that is shown to have an upward trend when it comes to the work visa application. This might have been caused by the historically high traffic of Indian worker in the h1-b system. Further investigation must be made in order to ensure fairness between applicants.

Sixth Chart: Barbell Chart

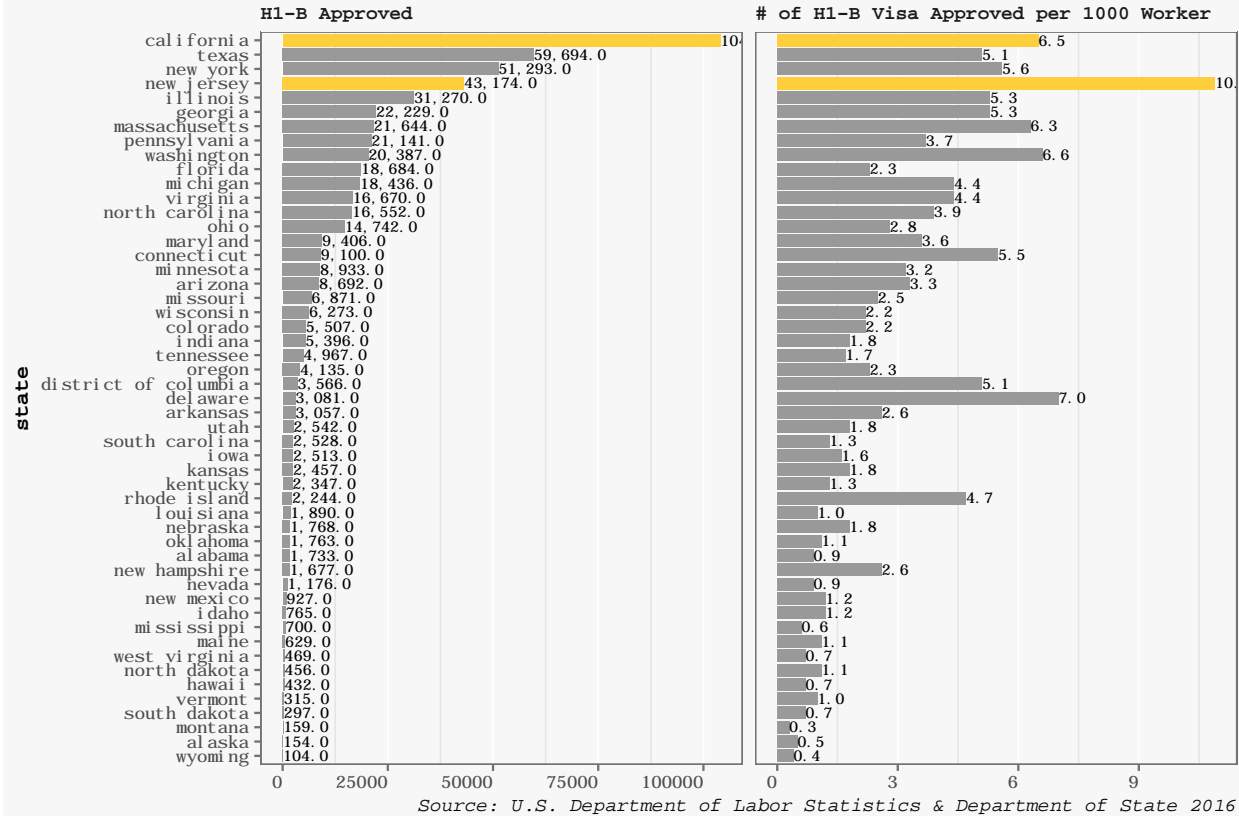


In this chart, we can clearly see that H1-B workers are paid much higher salary compared to the general median wage in every state. Technology 'hot-spot' states such as California and Washington displayed widest gap between the two subset of median wage. This is unsurprising because H1-B caters disproportionately to technology graduates that are more likely to be paid higher than other occupations.

Sevent Chart: Facet Wrap Chart

Which state hosts the most H1-B workers?

California hosts the majority of H1-B workers,
but New Jersey is more likely to employ H1-B workers.



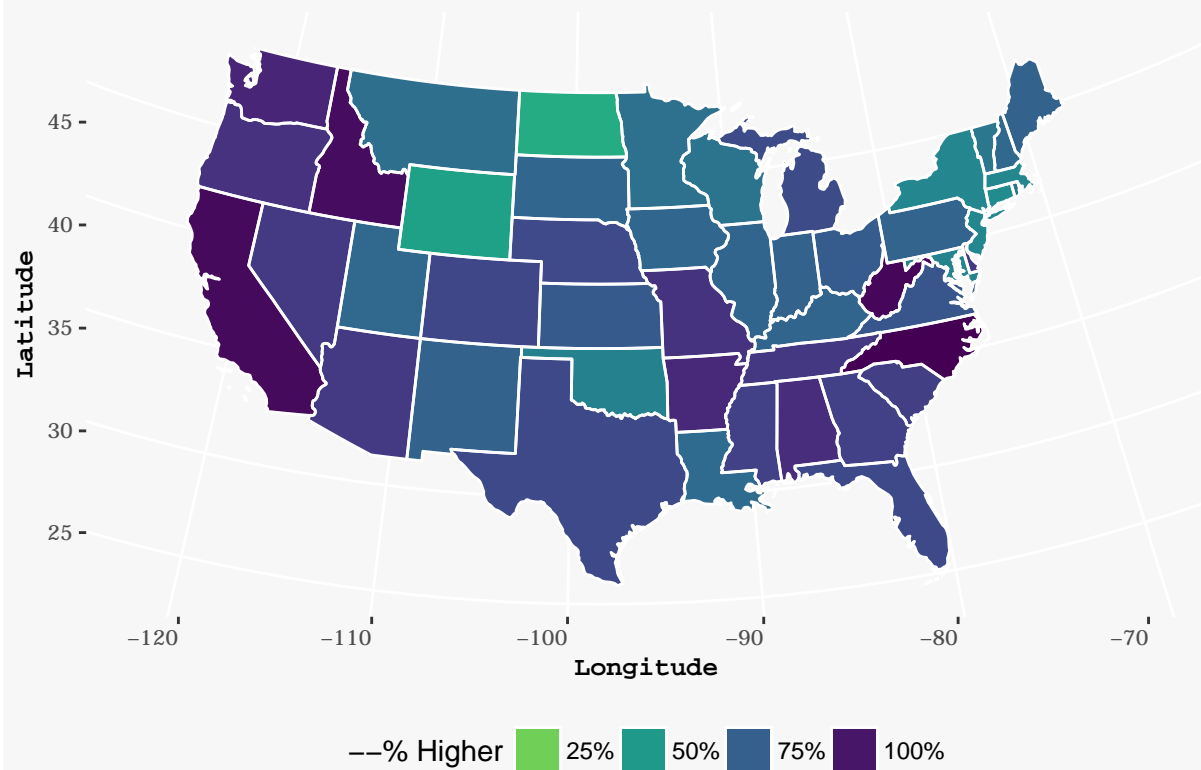
This chart showed the distribution of population and density (per 1000 workers) of H1-B approved workers in 2016. California, where Silicon Valley is based, unsurprisingly tops the chart in terms of H1-B intake. New Jersey, in the other hand, surprisingly appears to have the highest concentration of H1-B workers in their workforce.

CHLOROPLETH MAP CHARTS

CHLOROPLETH 1:

H-1B median wage is being paid MUCH MORE than host state median wage...

Percent Difference in Median Wage (Local State vs. H1-B)

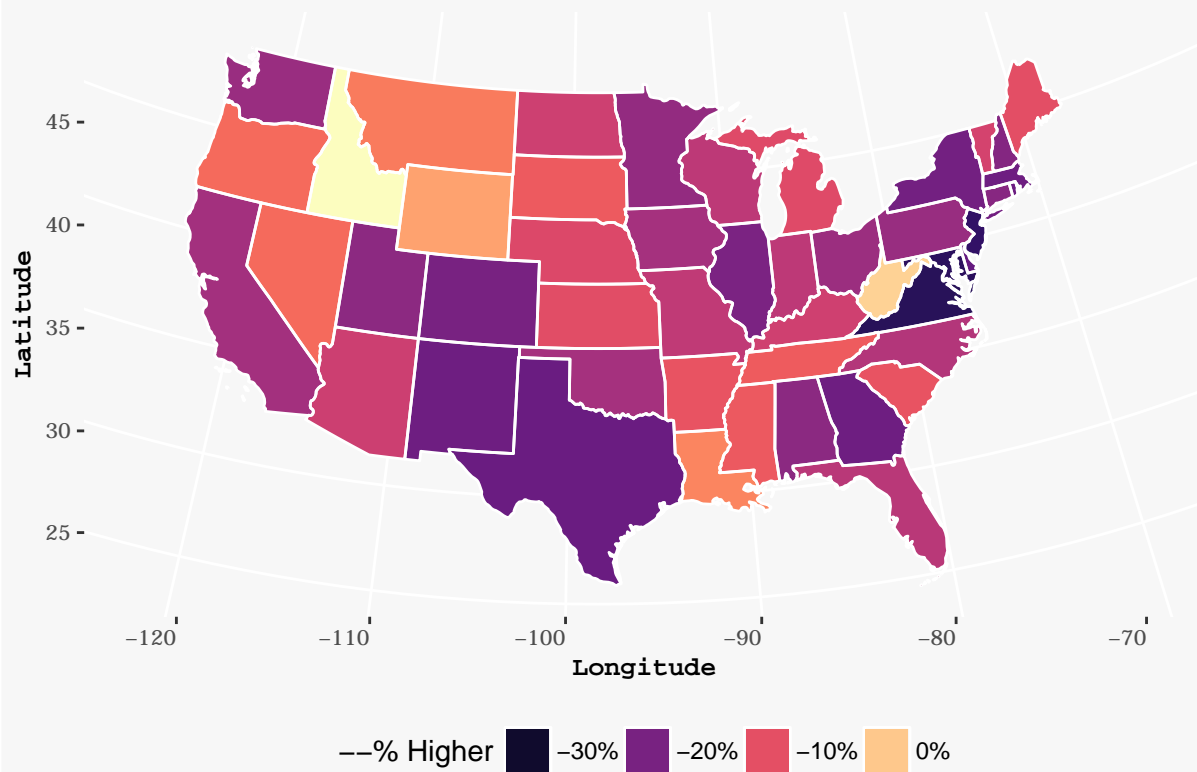


Source: USCIS

CHOROPLETH MAP 2

However, H1-B wage are still less than median Computer & Mathematics wage...

Percent Difference in Median Wage (Local State vs. H1-B)



Source: USCIS