

Team 23333

Team members: Ziwei He, Hao Gao, Huan Wang, Fusheng Yang

Abstract:

Given the data, we want to find the correlations and the distribution of the jobs and labor forces and to find if any of the variables is correlated with the number of applies.

We did the regression on applies verses avgoverallcompanyrating, jobagedays, descriptionLengthChars, and clicks. We used alpha level of 0.05 and concluded that jobagedays and number of clicks are relatively significant to number of applies. We also found that jobagedays has negative correlation with clicks. It is probably because of the negative correlation between jobagedays and candStatusReviewedCount.

To get some insight of distribution of jobs and labor forces, we analyzed the amount of regional jobs and regional education level requirement. We use python to visualize the data on the U.S map.

Conclusion:

Base on our analysis, we claim that the employers should update or re-upload their open positions frequently. For employees, states with high ratio between number of opening jobs and number of applicants would offer them a better chance to get the job. Employees could also make the decision by checking the distribution of regional education level requirement, corresponding to their own education experience.