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| SALARY | |  | | --- | | By Quoc Hung Nguyen, Lily Slater, Louis Perruchon, Victor Loyola, Xuefei Li |  DATa-related jobs, locations and companies WITH USE OF THE visa-related SALARY DATA SET FROM THE US DEPARTMENT OF FOREIGN LABOR certificate (http://www.foreignlaborcert.doleta.gov/performancedata.cfm)  **Objectives**   1. Compare salaries among different sub-types of data-related jobs to see which job has higher or lower salaries than others. 2. Compare salaries of data-related jobs among different states to see which states have the highest paying data-related salaries. 3. Compare offered salaries to the prevailing wage to see which jobs get overpaid or underpaid. |

**Executive Summary**

**Description of the Problem**

A US corporation must apply to the US government to obtain a green card or visa for their foreign candidates when they hire someone from outside the country for a technical role. With the help of these programs, the US government can keep tabs on whoever is traveling for business purposes and who is leaving the country for personal reasons. To ensure that immigrants are not being exploited, companies must disclose the employee's anticipated wage each time they file a visa or green card application to ensure wage equality for them and their US citizen counterparts. Additionally, they must disclose the normal salary for a worker with comparable qualifications.

**Description of the Data**

The original data was compiled by the US Department of Labor’s Office of Foreign Labor Certification. This data includes 167,278 observations for the case status of permanent resident applications from 2008 to 2015. There also have 27 columns that represent 27 variables that statistically list: Case number, Case status, Case Received Date, Decision date, Employer Name, Prevailing Wage Submitted, Prevailing Wage Submitted, Unit, Paid Wage Submitted, Paid Wage Submitted Unit, Job Title, Education Level Required, College Major Required, Experience Required Y/N, Experience Required Num Months, Country of Citizenship, Prevailing Wage Soc Code, Prevailing Wage Soc Title, Work City, Work State, Work Postal Code, Full Time Position Y N, Visa Class, Prevailing Wage Per Year, Paid Wage Per Year and Job Title Subgroup.