

H1B Visa Petition Analysis

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Objective A:

Analyzing the data to identify which job titles are trending over the years and how much has their corresponding wage followed the trend, to understand whether the Demand and Supply of human capital for various job profiles has risen or fallen.

Approach : Data Cleaning, Data Processing, Correlate Data

Target : Correlation between job applications count and median wage

Objective B:

Comprehending geographical distribution of various job profiles over the years for predicting the type of courses that should be emphasised upon in the universities situated in those regions.

Approach : Data Reduction, Data Transformation, Model Building, Prediction, Validation

Target : Type of courses that a university in a particular region should emphasize upon

Dataset Attributes

ID	CASE_STATUS	EMPLOYER_NAME	SOC_NAME	JOB_TITLE	FULL_TIME_POSITION	PREVAILING_WAGE	YEAR	WORKSITE	lon	lat
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PART A OUTPUT:

Plot depicting trends of top 10 job titles from 2011-2016 and their corresponding wage trends

