TITLE-Analyzing Data science job trends in US using data analytics

**ABSTRACT**— This paper utilizes the H-1B petition disclosure data and various descriptive data analysis techniques to analyze the employers with the most H1-B applications issued, recent explosive growth in data science related job positions and relationship between salaries offered etc from 2011 to 2016. This paper answers interesting questions such as –“Who are the top US employers who issued the most H1-B visa applications”, ”What are the annual wages of the employees of several technical job positions”, “What are the most preferred worksites” etc, and same questions asked for data science related job positions too. The Top ten list of companies which issue most H1-B visa applications are dominated by the Indian-origin IT companies with most applications issued in year 2016. *Infosys* leads the pack followed by *Wipro, Tata Consultancy* *services, Deloitte* etc were the next top three companies which issued most H1-B visa applications and are of Indian-origin. There has been a big increase in demand of data scientist, data-engineer and machine learning engineer from 2011 to 2016. The highest annual salary amongst the above job positions is for machine learning engineer. The annual salaries have been somewhat fluctuating for data scientists and machine learning engineers, but for a data-engineer it has increased over time form 2011-2016. The highest number of H1-B applications were issued for data scientist job title and least for machine learning engineer. The top five companies which issue most H1-B applications for data-science related job positions are *Amazon, Facebook, Microsoft, LinkedIn* and *Uber* whereas companies which pay highest annual salaries for data-science job positions are *Netflix, Apple, Airbnb, Twitter* and *Paypal*.

INTORDUCTION—The H1-B visa is an employment based, non-immigrant visa category for temporary foreign workers in the United States.

LITERATURE REVIEW:

PROPOSED METHOD:

RESULTS AND EVALUATIONS:

CONCLUSION:

REFRENCES: