Trends in New York City Health Industry

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For this project, we looked at three data sets: Indeed, Bureau of Labor Statistics, and Google Trends. Some of the variables that we used were name of the city, education requirement, date that a job was posted, duration of a job posting and job title.

From the Indeed dataset, we noticed that most of the jobs posted on Indeed came from the healthcare industry. The majority of the jobs were posted from New York City. We decided to take a deep dive into job postings related to the healthcare industry in New York City. Second, we looked the external dataset from Bureau of Labor Statistics for job listings in New York City.. We noticed that the job posting pertaining to the healthcare industry were not limited to clinicians such as doctors, nurses or pharmacists. There is a high demand for practical jobs as well. For example, drivers are needed to transport medical equipment to hospitals. Here, we also explore the trend of posted job titles in healthcare industry and the trend is related to education requirement and salary trend.

Therefore, we connected the Indeed dataset with the second dataset. We found that most of the people applied to these jobs directly rather than through a staffing company. We also found that for most of the jobs, some level of education was required since majority of the jobs were for technical or managerial positions.

Additionally, we looked at "jobs nyc" search term in Google Trends. We found out the search trend of healthcare job on Google in 2017 and we related the tend to the supply side of the jobs on Indeed. In this way, we found how the trend of application is influenced by supply and demand of the job in healthcare industry.