Deliverable 1(Group-12)

1. **Team**
2. **Members-**

* Deeksha Umesh
* Pruthvi Kasula
* Shalini Marneni
* Venkateshwar Reddy Sankyapalli
* Gunakar Maddi

1. **Communication plan**

* Planning and status meetings will be held on Zoom to collaborate work and review deliverables.
* Members will communicate through Discord to set up times and track progress of actions.
* Repository created for project: <https://github.com/dumesh09/bigdata>

1. **Selection of data**

The data that will be used in this group project is released through Greenwich.HR data platform.

It is one of the largest and fastest source of real-time labor market data.

Dataset**:**

<https://registry.opendata.aws/us-hiring-rates-pandemic/>

Documentation found here: [ghr\_data\_specs\_covid\_public (greenwichhr-covidjobimpacts.s3.us-east-2.amazonaws.com)](https://greenwichhr-covidjobimpacts.s3.us-east-2.amazonaws.com/ghr_data_specs_covid_public.pdf)

Tools & Applications:

[CovidJobImpats.Greenwich.HR - online visualization of daily hiring data and weekly unemployment data including links to recorded discussions using the data](https://covidjobimpacts.greenwich.hr/) by Greenwich.HR and OneModel Inc

1. **Business Problem or Opportunity**

This dataset provides daily updates on the volume of US job listings filtered by geography industry job family and role; normalized to pre-covid levels. These data files feed the business intelligence visuals at covidjobimpacts.greenwich.hr, a public-facing site hosted by Greenwich.HR and OneModel Inc. Data is derived from online job listings tracked continuously, calculated daily, and published nightly. On average data from 70% of all new US jobs are captured, and the dataset currently contains data from 3.3 million hiring organizations. Data for each filter segment is represented as the 7-day average of new job listings for a specific date, expressed as a percentage of the corresponding value on March 1, 2020.

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1. **Research Objectives and Question(s)**

Objective of our group is to find the current job market pattern and the amount of job postings in different industries. To find out how covid has impacted the job market. What is the impact on different geographic locations, industries?

**Descriptive questions:**

* What is the impact on job postings in each state?
* How different industries have adapted to COVID?

**Predictive questions:**

* overall job listings growth

**Sources**:

* Covid Job Impacts - US Hiring Data Since March 1 2020 was accessed on 04/12/2022 from <https://registry.opendata.aws/us-hiring-rates-pandemic>.
* <https://covidjobimpacts.greenwich.hr/>
* <https://www.bls.gov/covid19/effects-of-covid-19-pandemic-and-response-on-the-employment-situation-news-release.htm>