Deliverable 1(Group-12)

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

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

1. **Communication plan to include project artifact repository**

* Planning and status meetings will be held on Zoom to collaborate work and review deliverables.
* Repository created for project: <https://github.com/dumesh09/bigdata>

1. **Selection of data to analyze from the Open Data Registry for Amazon Web**

**Services**

* Dataset**:** <https://registry.opendata.aws/us-hiring-rates-pandemic/>
* [Documentation of dataset schemas](https://greenwichhr-covidjobimpacts.s3.us-east-2.amazonaws.com/ghr_data_specs_covid_public.pdf) by [Greenwich.HR](https://www.greenwich.hr/)
* The Greenwich.HR data platform is the largest and fastest source of real-time labor market data.

1. **Business Problem or Opportunity, Domain Knowledge (link to information on domain**

**relative to data, 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.

Data Specification link:

<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. **Research Objectives and Question(s) (what you are trying to describe or predict with the data)**

**Objective:** Overall job market favorability for job seekers

**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

**References**:

* 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>