### **Topic Proposal: Analyzing Salary Trends in Data Science**

TEAM 3

#### Research Topic

Data science is a fast growing field, and salaries can vary widely based on experience, job role, and whether someone works remotely or in an office. As demand for data professionals grows, understanding how these factors influence earnings becomes increasingly important.

This project will analyze salary trends from 2020 to 2024, exploring how salaries have changed over time and whether there are identifiable trends in salary growth. This analysis will provide insights into earning potential for data science professionals and inform hiring trends in the industry.

1. SMART Questions

How has the salary of Data Scientists changed from 2020 to 2024, and can we identify a trend in salary growth?

* Specific: Examines salary trends for Data Scientists over a defined period.
* Measurable: Can be analyzed by calculating yearly salary trends.
* Achievable: The dataset contains salary data for Data Scientists from 2020 to 2024.
* Relevant: Provides insights into salary growth patterns in the data science field.
* Time-bound: Focused on salaries from 2020 to 2024.

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#### Dataset Information

* Dataset Name: *Data Science Salaries 2024*
* Source: [Kaggle Datase](https://www.kaggle.com/datasets/sazidthe1/data-science-salaries/data)t
* Number of Observations: 6,599 rows
* Years Covered: 2020–2024

#### GitHub Repository:

#### <https://github.com/sameerbatra1/Data-Science-Salaries>