**DATA 607 Project 3 - Part 1**

**TEAM NAME: DATA DOMINATION**

**Team Members**

1. Nfn Tenzin Dakar
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3. Crystal Quezada

**Project Description**

Our group, DATA DOMINATION, will use Zoom and Slack for communication. For code sharing and documentation, we’re using RStudio Cloud with R Markdown published on RPubs. All files, including data and documentation, are stored in a GitHub repo. We've created an ERD using Mysql DataBase and identified our data sources, which will be loaded via CSV files from GitHub.

**Tools for the Project**

Our team leverages several tools to streamline collaboration and project development:

* RStudio Cloud ([rstudio.cloud](https://rstudio.cloud)): This platform facilitates collaborative code development, allowing all team members to view, edit, and share code seamlessly in real-time.
* R Markdown in RStudio Cloud: We use R Markdown to document our project, and publish the results through RPubs ([rpubs.com](https://rpubs.com)), making our work easily accessible.
* MySQL : This tool was employed to design the entity-relationship diagram (ERD) for the project.
* GitHubRepository (<https://github.com/Nweoomon/Project3_607>) :

All source CSV files and R Markdown (RMD) files are stored centrally on GitHub, allowing the team to access and manage files efficiently.

* Communication: Our discussions and updates happen over Zoom for meetings and Slack for daily communication, ensuring smooth coordination.

**We identified our sources of data as the following:**

1. Kaggle ML & DS Survey:

Retrieved from  <https://www.kaggle.com/code/kerneler/starter-ds-job-listing-technology-04cdb0b7-0/input> It is also stored in our collaborative [GitHub repository](<https://github.com/Nweoomon/Project3_607>)

**Entity Relationship Diagram**

Our diagram can be found on our shared

https://github.com/Nweoomon/Project3\_607/blob/main/NOM\_Job\_listing\_ER\_Diagram.docx

**Load libraries**

library(RMySQL)

# load in the library

library(tidyverse)

library(lubridate)

library(wordcloud

library(RMySQL)

**Importing Data through MySQL Database**

**Data clean up and transformation**

**Analysis**

**Conclusion**