**Assessment task 2: Collaborative Development of an end to end project using Centralized Code Repositories + Github usage analysis and reflection of the project**

**Intent:**Is to tie all the pieces taught in this Subject together. Do an end to end analysis and collaborate as a team using Github. To analyse the github usage of the entire group and reflection of your own project in terms of what worked and what didn’t work.

**Objective(s):**

This task addresses the following subject learning objectives: 1 and 2

This assessment task contributes to the development of course intended learning outcome(s): 2.1, 2.2, 2.4, 3.3, 4.1 and 5.1

**Type:**Report/Code

**Groupwork:**Group, group assessed and Individual

**Weight: 30**% + 10%

**Criteria:**

1. Research on the effective data stores. And designing the datawarehouse appropriately. (Group), 20%
2. Using SQL/R/Python to do basic analysis. (Group), 20%
3. Clarity and why a certain programming language was chosen. (Group), 10%
4. Appropriateness of commits and branches to collaborate within a team using Git, adhering to one of the documented workflows. (Group), 10%
5. Clarity and efficiency of content review and change negotiation using Pull Requests, and successful incorporation of individual changes into the team’s master branch. (Group), 20%
6. Presenting and clearly communicating your findings as a report. (Group), 10%
7. Clarity on highlighting the individual and teams efforts on github usage.(Individual), 5%
8. Articulating what worked and didn’t work in during the course of the project. (Individual), 5%

# Introduction and research questions

# Background

# Data collected

# Database setup

# Data warehouse design

# Data analysis

# Data visualization