

MBD 7103 CAPSTONE PROJECT – DUE DATE 14TH JULY 2021

HOW YOU SHOULD WRITE THE REPORT

In this week, you will continue working on your capstone project. Please remember by the end of this week, you will need to submit the following:

A full report consisting of all of the following components:

- In this capstone project, you will predict the number of deaths due to covid-19 Pandemic in Americas region. Data set can be downloaded from URL: <https://covid19.who.int/table>
- Use the following methodology with respective performance evaluation metrics such as r-squared, F-1 Scores, RMSE etc.. :
 1. Correlations
 2. Simple linear Regression
 3. Multiple Linear Regression
 4. Decision Trees Classifier

TASKS:

1. Develop the topic
2. **Chapter 1: Introduction** where you discuss the business problem and who would be interested in this project.
 - **Background (1 – 2 pages)**
 - **Research Question**
 - **Problem statement (A paragraph)**
 - **Objectives**
 - **General objectives**
 - **Specific objectives (maximum 4 objectives)**
 - **Scope**
 - **Justification (Interest)** – Who will be interested in your work and why are you motivated in the work?
 - **Data** where you describe the data that will be used to solve the problem and the source of the data. (**source of data**)
3. **Chapter 2 Literature Review (2- 3 pages)**
 - **Read materials online and other publication related to your work.**
 - **M. Nike (2013) propose the following**

4. Chapter 3: Methodology section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, if any, and what machine learnings were used and why.

5. Chapter 4: Implementation (Results):Results section where you discuss the results.

6. Chapter 5: Discussion section where you discuss any observations you noted and any recommendations you can make based on the results.

7. Chapter 6: Conclusion section where you conclude the report.