**Data Science and ML (Python, R, Kobo, SPSS, Google Data Studio)**

**Module 1: Python Programming and Libraries**

-Software installation and setup

-Introduction to what Data Science process

-Python-Crash-Course and Exercise

-Introduction to Numpy and Exercise

-Python-for-Data-Analysis-Pandas and Exercise

-Case Study - Employee Data Analysis for 50,000 Staff

**Module 2: Data Visualization and Data Analytics**

-Data-Visualization-with-Matplotlib and Exercise

-Data-Visualization-with-Seaborn and Exercise

-Case Study - COVID 19 Data Visualization

**Module 3: Machine Learning Algorithms**

-Introduction to Machine Learning and Article writing and presentation

-Linear-Regression and Exercise

-Case Study and Visualization

**Module 5: SPSS, Google, KoboToolBox for Data Analysis**

-Introduction to SPSS (software setup and software interface review)

-Questionnaire Design using Kobotoolbox or google Form

-Importing Data and Defining variable into SPSS

- Case Study - Analysis based on data retrieved from Questionnaire 1

**Module 6: Analyzing Descriptive Statistics for Continuous Variables**

-Chart plotting (pie, bar, histogram)

-Project and Assignment Review

-Case Study - Analysis based on data retrieved from Questionnaire 2

**Module 7: Google Data Studio Foundation Course**

- Exploratory Data Analysis

- Charts and Business Intelligence Insight from Data