**Purpose of the Repository**

This repository contains the results of the Data Science Project which involved upgrading MTN mobile infrastructure in COTE D'IVOIRE.

**Overview**

This repository contains the python code that the project has utilized in accordance to CRISP-DM.

**Files in the Repository**

The repository contains the following files/folders:

* *requirements.txt*: This file contains the necessary libraries, see the section "How to Use them" in this README.
* *data*: The data folder contains data in csv-format. The name of the columns and an explanation of each column.
* *notebooks*: This folder contains the colab. Notebook Moringa\_Data\_Science\_Prep\_W3\_Independent\_Project\_2021\_02\_Victor\_Bundi\_NoteBook.ipynb which contains the main analysis. The analysis in this notebook is structured according to the CRISP-DM process.
* *README*: This README.

**Packages**

The following packages are necessary to run the cells  Notebook Moringa\_Data\_Science \_Prep\_W3\_Independent\_Project\_2021\_02\_Victor\_Bundi\_NoteBook.ipynb:

* numpy
* pandas
* dateutil

**How To Use It**

All code is in the Notebook . Please assure that all dependencies which are mentioned in the section Packages have been installed. There is a requirements.txt file in the Repository which contains all relevant dependencies. You can install all dependencies from that file using pip via the command: *pip install -r requirements.txt* Further, the business questions as well as their answers are contained in the markdown cells.