

Group Project

Group name: One-Man-Army

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Country: U.S.A

College/Company: University of Suffolk

Specialization: Data Science

GitHub Repo link:

https://github.com/DenisSRemo/virtual_internship/tree/main/Group%20project/group%20project%20data

Problem description: ABC Bank wants to sell its term deposit product to customers and before launching the product they want to develop a model which help them in understanding whether a particular customer will buy their product or not (based on customer's past interaction with bank or other Financial Institution).

Business understanding: Bank wants to use ML model to shortlist customer whose chance of buying the product is more so that their marketing channel (tele marketing, SMS/email marketing etc.) can focus only to those customers whose chance of buying the product is more. This will save resource and their time (which is directly involved in the cost (resource billing)). Develop model with Duration and without duration feature and report the performance of the model. Duration feature is not recommended as this will be difficult to explain the result to business and it will be difficult for business to campaign based on duration.

Project lifecycle along with deadline: The project will be broken into tasks which go along with the weekly deliverables of which the internship requires. The deadline for the project's completion will be 30 Jan 2024

Data Intake Report

Name: One-Man-Army project

Report date: 14 Dec 2023

Internship Batch: LISUM27

Version:<1.0>

Data intake by: Denis Remo

Data intake reviewer: Denis Remo

Data storage location:

https://github.com/DenisSRemo/virtual_internship/tree/main/Group%20project/group%20project%20data

Tabular data details:

| bank.csv | |
|------------------------------|--------|
| Total number of observations | 4522 |
| Total number of files | |
| Total number of features | 1 |
| Base format of the file | .csv |
| Size of the data | 452 KB |

| bank-full.csv | |
|------------------------------|---------|
| Total number of observations | 45212 |
| Total number of files | |
| Total number of features | 1 |
| Base format of the file | .csv |
| Size of the data | 4.39 MB |

| bank-additional.csv | |
|------------------------------|--------|
| Total number of observations | 4120 |
| Total number of files | |
| Total number of features | 1 |
| Base format of the file | .csv |
| Size of the data | 572 KB |

| bank-additional-full.csv | |
|------------------------------|---------|
| Total number of observations | 41189 |
| Total number of files | |
| Total number of features | 1 |
| Base format of the file | .csv |
| Size of the data | 5.56 MB |