**Here you will find the links of codebase for all the google colab notebooks, with extensive exploratory data analysis and building several models to predict if a customer will take a term deposit.**

**1) Exploratory Data Analysis**:

* [A basic analysis of the data](https://colab.research.google.com/drive/1p3nbSzpc52XWZvI3w74cuXhuSnr25dEq?usp=sharing)
* [Understanding impact of each feature based on people who took a term deposit](https://colab.research.google.com/drive/1ael7cpb629Edbzmg9IRHVqahsbZr4Poh?usp=sharing)

**2)** [**Logistic Regression and deal with ethical biases**](https://colab.research.google.com/drive/139txB4JvAEa7nMnGuDJRpFeMTdsIVPS8?usp=sharing)**.**

**3)** [**Support Vector Machines**](https://colab.research.google.com/drive/17uP0oB2Cl6cb0hn9gnIMY0gKvrXNqDWv?usp=sharing)**.**

**4)** [**Random Forest model**](https://colab.research.google.com/drive/10ZIETP96awMmzOMhGRDFO-ChWLHEDYC_#scrollTo=VphZD49Ii62X)

**5)** [**LightGBM model**](https://colab.research.google.com/drive/100PkIlZJrfzw5Qv5NKZ65-d_HYu3OzjF?usp=sharing)

**6)** [**K-means clustering**](https://colab.research.google.com/drive/1M2GcC_1EbcujDSGBr7t9EvzsCGtHChiZ?usp=sharing)

**7)** [**Hierarchical Clustering**](https://colab.research.google.com/drive/13MDbKZnyUriDV-J8WnSMMZiwbtM5I3Ln?usp=sharing)

**8) Principal Components Analysis**