File created on: 8/25/2020 5:06:14 PM

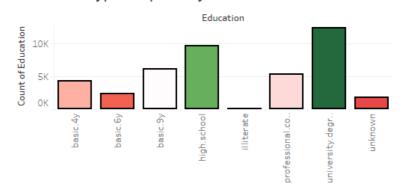
UNIVARIATE ANALYSIS UNIVARIATE ANALYSIS UNIVARIATE ANALYSIS UNIVARIATE ANALYSIS BIVARIATE ANALYSIS MULTIVARIATE ANALYSIS MULTIVARIATE ANALYSIS E ANALYSIS

The four plots below indicates the value counts of each category under the following categorical variables: *MaritalStatus, Education, JobType* and *Term Deposit Subscription (target variable).*The latter has a high degree of class imbalance.

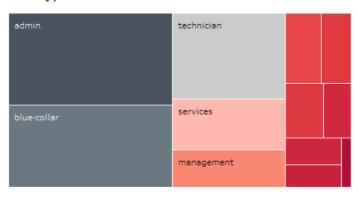
#### **Marital Status**



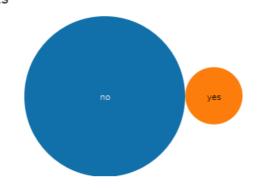
#### **Education Types Popularity**

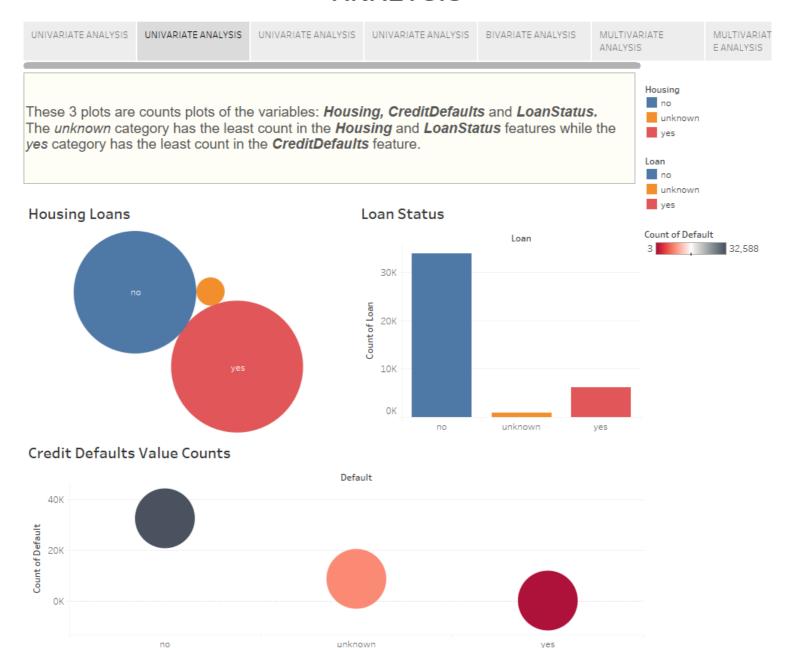


#### Job Types



### Term Deposit Subscription (Target Variable) Counts





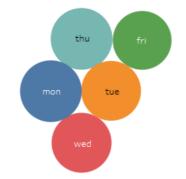
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In these 4 plots, 3 of them are count plots of the features: Contact, DayOfWeek and Month. The remaining one plot is a histogram showing distribution of the last contact with customer duration.

#### Communication Type Value Counts

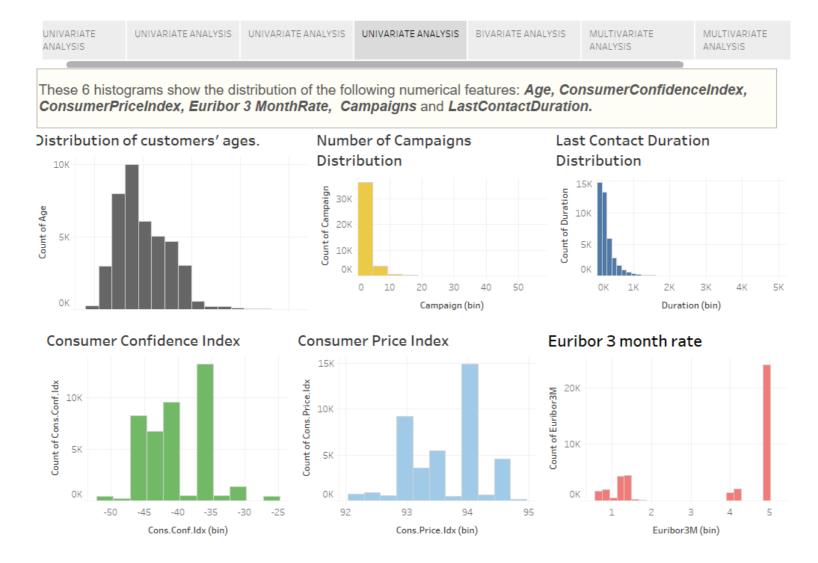
Last Contact Duration Distribution Contact Count of Duration Count of Contact 5K 0K 0K 2K 3K 5K 0K Duration (bin) cellular telephone

#### DayOfWeek Value Counts

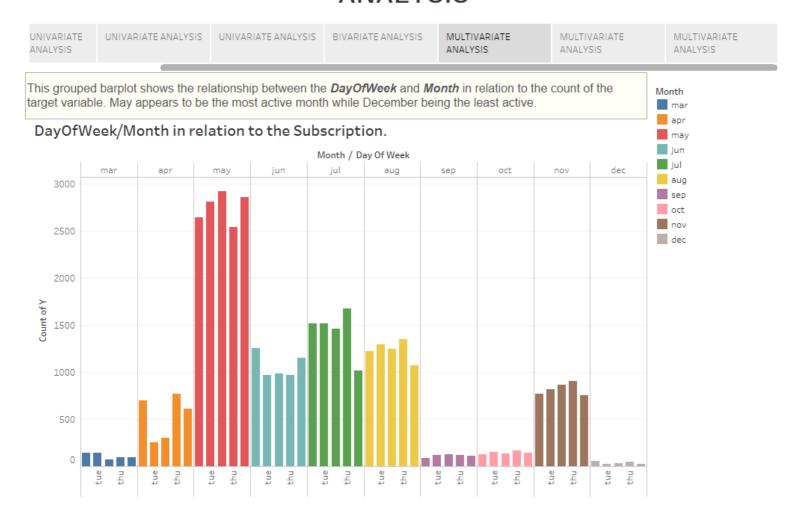


#### Last Month of Contact Value Counts









ANALYSIS

UNIVARIATE ANALYSIS UNIVARIATE ANALYSIS BIVARIATE ANALYSIS

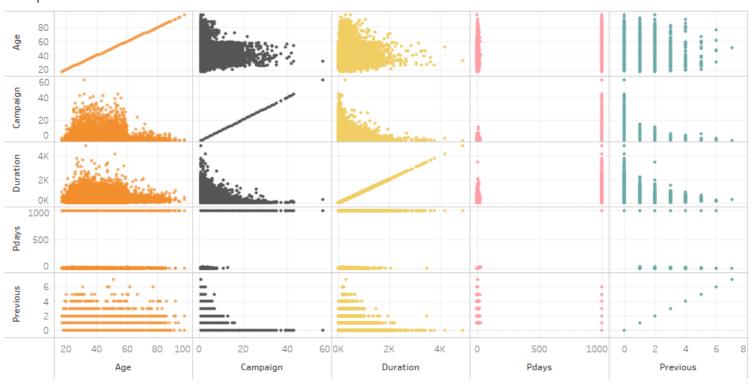
MULTIVARIATE ANALYSIS

MULTIVARIATE ANALYSIS

MULTIVARIATE ANALYSIS

The plot below shows the relationships between different numerical features. None of the pairs shows any linear relationship.

#### Pairplot



UNIVARIATE ANALYSIS UNIVARIATE ANALYSIS BIVARIATE ANALYSIS MULTIVARIATE MULTIVARIATE ANALYSIS MULTIVARIATE ANALYSIS MULTIVARIATE ANALYSIS MULTIVARIATE ANALYSIS

The plot below shows the relationships between different numerical features.

None of the pairs shows any linear relationship. The Euribor feature has quite a number of null values.

#### **Pairplot**

