**Decision Making Logic- Handling Missing Data**

If column = missing values (Blank or NA) & columns data type = numerical

then replace all missing values with the mean value

else if column = missing values (Blank or NA) & columns data type = categorical

then replace all missing values with the mode value

**Decision Making Logic- Encoding Categorical Data**

If variables datatype = numeric

then leave the variable as it is

else if variables datatype = categorical or ordinal

then use one hot encoding to convert the x variables into a numerical variables

and use Label encoding to convert the y variables into a numerical variable

<https://joshlawman.com/dealing-with-missing-data-imputation-with-pandas/>

