## EDA projects

CI Ca C3

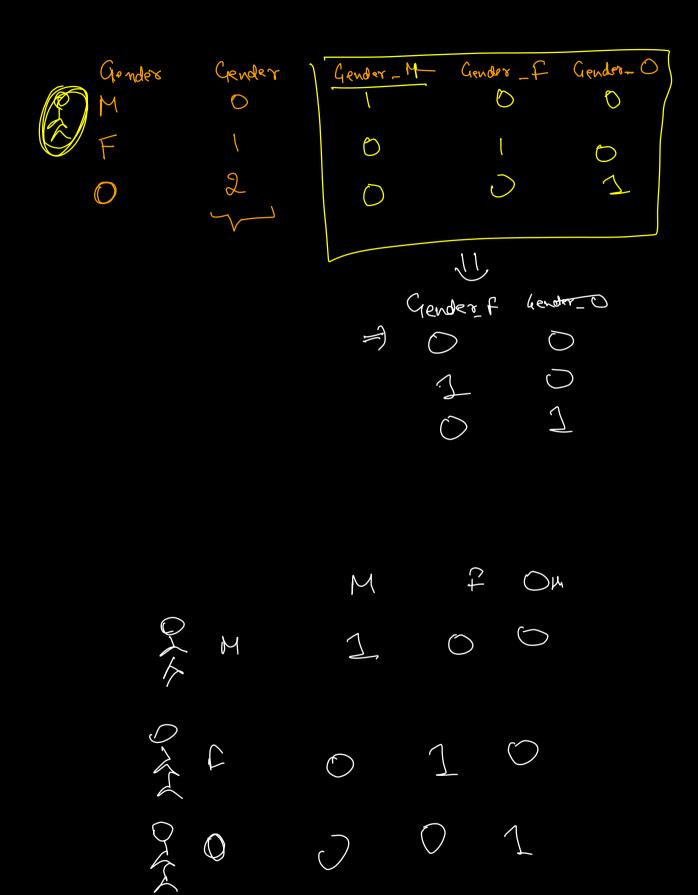


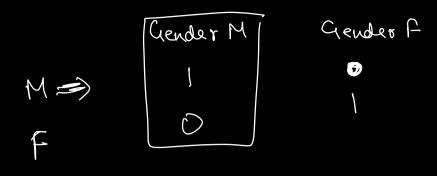
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wolf: 12+

```
from statsmodels.stats.outliers_influence import variance_inflation_factor
def compute_vif(considered_features, df):
    X = df[considered_features]
    # the calculation of variance inflation requires a constant
    X['intercept'] = 1
    # create dataframe to store vif values
    vif = pd.DataFrame()
    vif["Variable"] = X.columns
    vif["VIF"] = [variance_inflation_factor(X.values, i) for i in range(X.shape[1])]
    vif = vif[vif['Variable']!='intercept']
    return vif
{\tt compute\_vif(num\_features, df)}
      Variable
                   VIF
0 vehicle_age 1.406352
    km_driven 1.212640
      mileage 1.945103
3
       engine 6.244006
   max_power 5.952622
        seats 2.245733
5
6 selling_price 2.680638
```





encoding