

Data Analysis Reports

Steps taken into consideration

Sr.no	Task
1.	Missing value analysis
2.	Numerical variables analysis (distribution)
3.	Outliers analysis
4.	Categorical variables
5.	Cardinality in categorical variables
6.	Relationship between variables and target

Missing Value Analysis

Variables with missing values:

```
['LotFrontage', 'Alley', 'MasVnrType', 'MasVnrArea', 'BsmtQual', 'BsmtCond',  
'BsmtExposure', 'BsmtFinType1', 'BsmtFinType2', 'Electrical', 'FireplaceQu',  
'GarageType', 'GarageYrBlt', 'GarageFinish', 'GarageQual', 'GarageCond',  
'PoolQC', 'Fence', 'MiscFeature']
```

Percentage of missing values in above variables:

```
LotFrontage      0.177397  
Alley            0.937671  
MasVnrType       0.005479  
MasVnrArea       0.005479  
BsmtQual         0.025342  
BsmtCond         0.025342  
BsmtExposure     0.026027  
BsmtFinType1     0.025342  
BsmtFinType2     0.026027  
Electrical       0.000685  
FireplaceQu      0.472603  
GarageType       0.055479  
GarageYrBlt      0.055479  
GarageFinish     0.055479  
GarageQual       0.055479  
GarageCond       0.055479  
PoolQC          0.995205  
Fence            0.807534  
MiscFeature      0.963014
```

Impact of missing values on target:



















