**House price EDA**

**Overview**

* There are 614 instances
* Total number of attributes equals to 13
* 5 of them are quantitative
* 8 of them are categorical
* Loan\_Status is the target value

**Insights**

* 80% of the applicants are male in the dataset.
* Nearly 70% are married
* Nearly 85-90% of the applicants are self-employed
* About 75% of loan applicants are graduates
* The loan has been approved for more than 65% applicants
* Almost 58% of the applicants have no dependents.
* Highest number of applicants are from Semi Urban areas, followed by urban areas.
* 85% of applicants have a credit history of 1
* Nearly 85% of loans are taken for 360 days.
* The applicant Income is mostly between 5000–10000 with some outliers.
* Co-applicant Income is lesser than applicant Income and is within the 1000–5000, again with some outliers.
* Loan Amount is mostly concentrated between 100–300.

**Opinion**

* There is not much difference between male and female to approve loan
* Married applicants have a slightly higher chances of loan approval.
* Graduates have higher chance of loan approval compared to non-graduates.
* There is no substantial difference in the loan approval rates for self\_employed vs not self employed.
* Applicants with no dependents or 2 dependents have higher chances of approval. But this does not correlate well.
* Applicants with properties in semi-urban areas have higher loan approval rates.