Outline

**Crisp Circle (6 points)**

**Business understanding**

As we all know there are a plenty of graduate international students go to SIT, so renting becomes the biggest problem when students first arrive Hoboken. Every student need a nice place with a reasonable price to begin their life in Hoboken.

Afterward, SIT students want to stay in the US and start a life here. Most of them will want to buy a house.

That is why this project becomes an interesting topic to us.

**Experiment Design**

How many factors

And design we gotta do

|  |  |  |
| --- | --- | --- |
| **Variables** | **Level -** | **Level +** |
| Lot size (lotArea) | <= 10000 square feet | > 10000 square feet |
| Construction date (YearBuilt) | Before 1971 | After 1971 |
| Heating condition (HeatingQC) | Bad (Fa, Po) | Good (Ex, GD) |
| Proximity to main road (Condition1) | No | Yes |

**fractional Factorial Design**:

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2^8-4 resolution IV design

**Conducting the experiment**

Make a table with response