Input:

* Income
* Building Type (studio, 1, 2, 3, 4 bedrooms)
* # Roommates
* Zipcode

ML model returns average price for building and estimated next year price

**Rent Burden calculation:**

(ML model Average price / # of roommates ) / Income = Rent burden %

**Categories**:

Low (Green): 30% or less

Medium (Yellow): >30 percent

High (Red): >50 percent

Next Year Projection: ML Model projection

For X bedrooms in Z zipcode (provided no change in Household income), you are at risk of your rent burden becoming greater than 50% in Y years

**Years until overburdened:**

Years = 0 (sets this in the beginning)

estimated price = ML predicted price (sets the estimated price to the predicted price first (afterwards we’ll multiply it by 7.7%, for rent control)

Rent control = 7.7

While (estimated price/ roommates) / Income < 50% (the point where you are severely overburdened)

Estimated price (t) = estimated price(t-1) + estimated price(t-1) \* 7.7% (this will keep updating the estimated price until the “While” formula above is true)

Years = years + 1 (will keep updating the years until the “while” formula is true, afterwards we’ll give people the final “years”)

**Rent Control**



