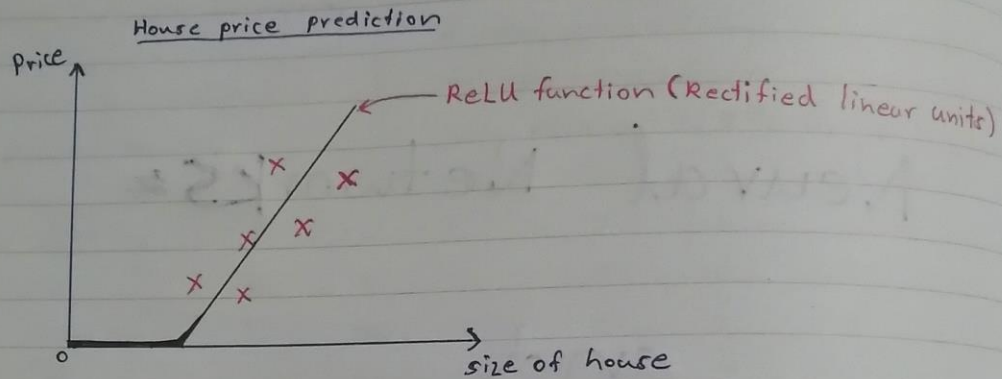
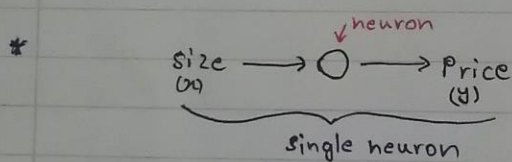


Introduction to Deep Learning (week 1)



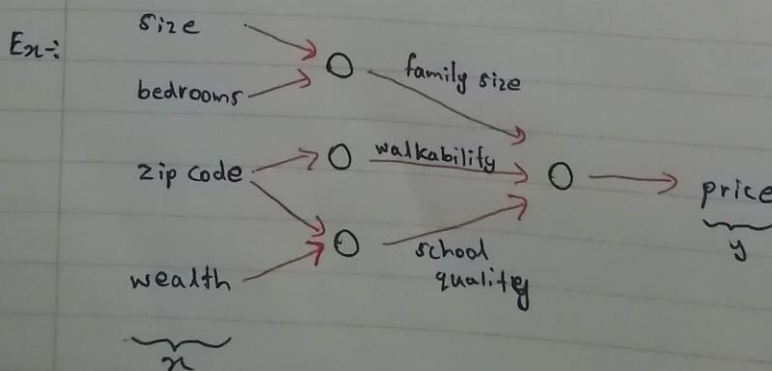
* Price of size of house cannot be negative value. Therefore, line start from 0.



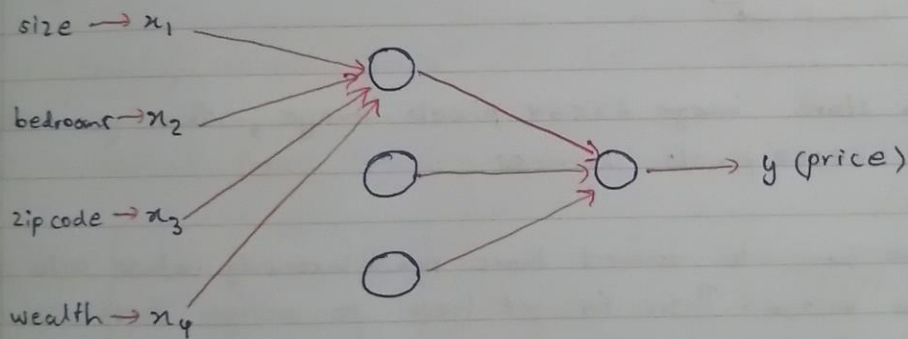
* task of the all neurons in here is take inputs (size) and computes the linear function and outputs the estimated price

* Rectified linear units: rectified means taking a max of 0 (zero)

* Neural network: collection of single neurons which are stacking together



- * by analyzing house size and number of bed rooms we can estimate if it is suitable for given family size
- * zip code tells you walkability. (Ex: how far to school)
- * zip code and wealth both can tell about quality of the school.
- * After that, family size, walkability, and school quality ~~tells~~ you helps you to predict the price of house.



- * every node has every arrow from each attributes. it happens because everytime neural network decide whatever it want to out put
- * every arrow connected to single node calls ~~as~~ density connected