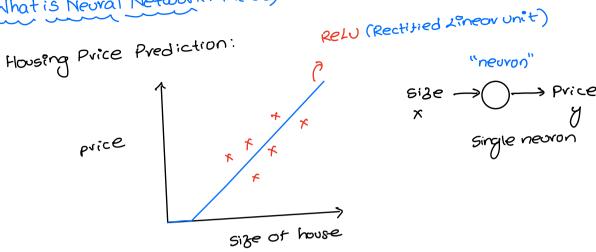
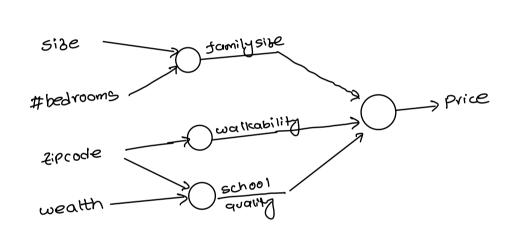
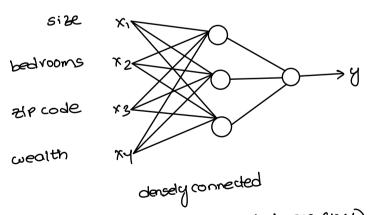
## What is Neural Network: (Lec1)



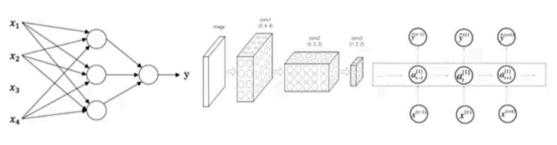




Given enough training data between (x,y). Neuval Networks are remarkably good at predicting fox)=y.

## Supervised dearning with Newal Networks: (xec-2)

Application output (y) Input X Real estate price thome features online advertising clickonad ad, user into (012)? photo tagging & CNN object (1, -, 1000) imaze speach recognition 3 RNN Text transcript Audio chinese English Autonomous driving 300 stum, Hybrid NN position of other Image avs



Standard NN

Convolutional NN

Recurrent NN

unstructured Data

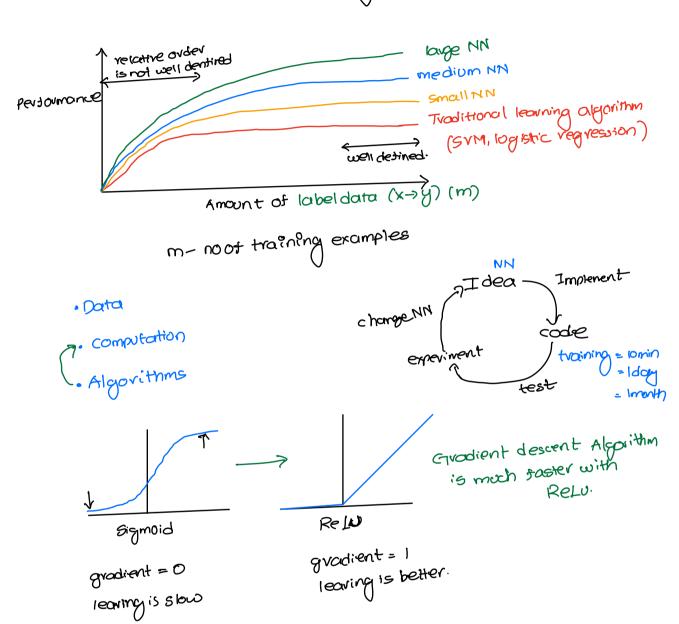
Structured Data

Size #bediooms ... price -Audio

210Y 3 400K - Imable : 500K - Text 3000

## Mhy Deep Learning taking off? (dec-3)

scale drives deep learning progress



## About this Coorse!

Week1: Introduction

INJECT 2: Basics of Newall Network programming

Meek 8: One hidden layer Neural Network

Week 4: Deep Neuval Network.