**Neural networks**

Part 1 - How do Neural Networks work?

A core concept of Neural network is data correction, Neural networks focus on this idea of successive refinement of data , when data is being filtered through a big error means a bigger correction is needed, and a tiny error means we need the teeniest of nudges to the data. This is a core process of learning in a neural network - we have trained the machine to get better and better at giving the right answer/data.

A good way of refining these models is to adjust the parameters based on how wrong the model is compared to known true examples.

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Add all the data about the caterpillar example.