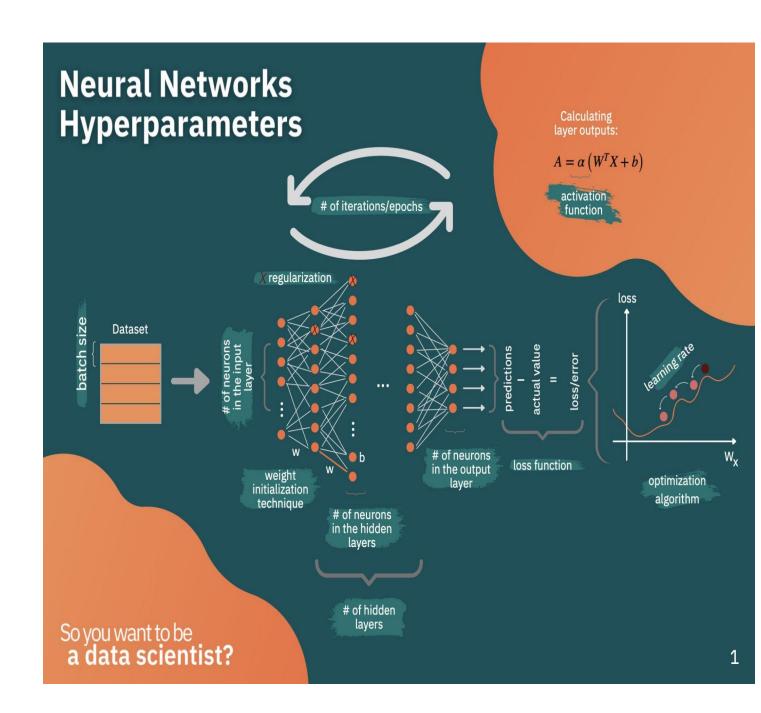
Hyperparameters of a neural network :-



- ➤ Mathi ko picture maa neural network kaa lagbhag sabai hyperparameters haru mention gariyeka xan .
- ➤ Hamro dataset lai sano sano groups i.e batches maa convert garinxa ani tyo each batches maa kati dataset xan vanni kura batch size le denote garxa.
- Suru maa hami sanga data hunxa, tyo dataset lai hamle small batches maa convert garxau ani neural network ko input maa pathayinxa.
- Then tini input bata predictions haru niskinxa,ani predicted values ko actual values haru hami sanga suru mai hunxa, jasbata each prediction ko error nikalinxa.
- Ani hamro main objective vaneko tyo error ghatauni jasko lagi hamle different optimization algorithms (like gradient descent) haru use garinxa.
- Aba optimization algorithm le kun kun parameters le error / loss ma kattiko effect gareko xa tyo calculation gardai back propagate garxa to adjust the parameters (i.e weight haru update garxa) jasle garda error / loss kam hos. Ani yo process lai Back propagation vanninxa.

- ➤ Weight update garxa ani next batch ko data lai input ko rup maa dinxa ani same process chalirakhxa.
- ➤ Ani hamle purai batch ko lagi yo operation sakkyo vane it would be one **Epoch**