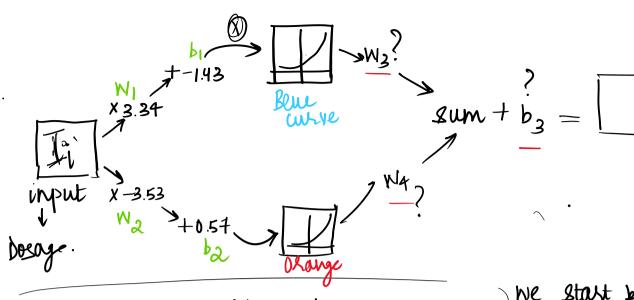


* OPTIMIZE 3 PARAMETERS SIMULTANEOUSLY



* Sandard Normal Distribution

$$Sta \cdot bev = 1$$

We start by assuming
$$b_3 = 0$$

$$W_3 = 0.36$$

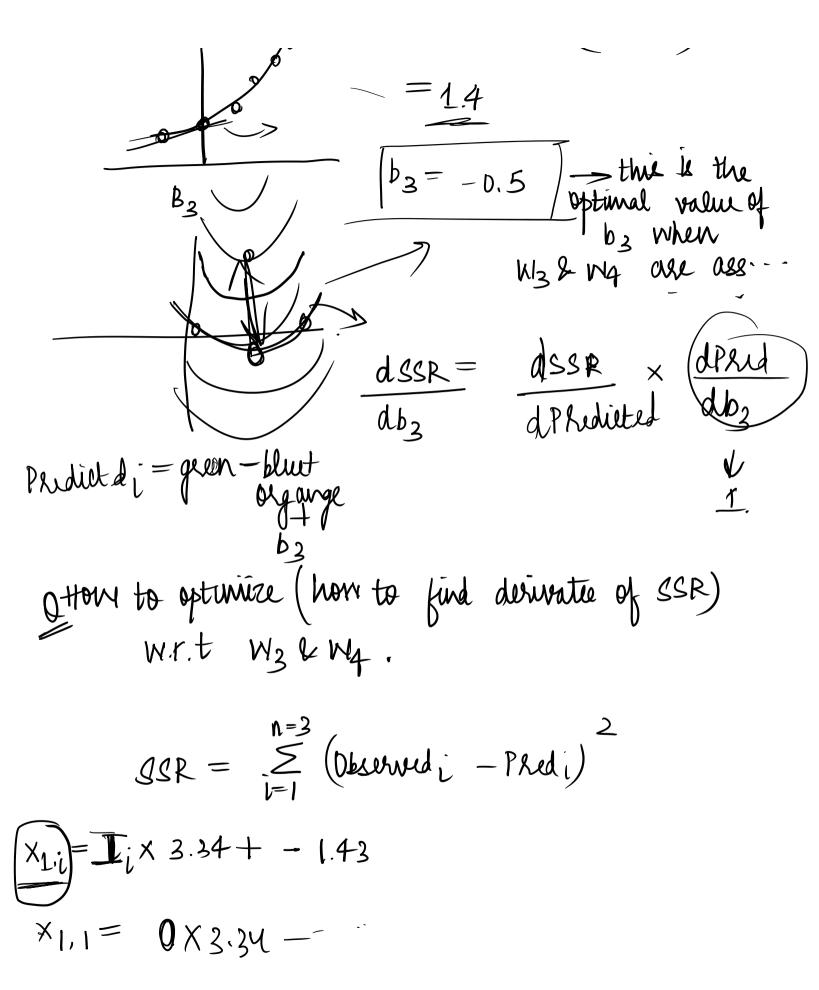
$$W_4 = 0.63$$

2 Get corresponding y-axis coordinates
by using obtained x values in
$$f(x) = log(1+e^{x}) = y$$
-axis
coordinates.

fotivation

3. Find out how well the green curve gits on the data.

$$= (0 - 0.72)^{2} + (1 - 0.46)^{2} + (0.-0.71)^{2}$$



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$$\frac{dPo_{2}d}{dW_{4}} = f_{2,i}$$

$$\frac{dSSR}{dW_{3}} = \frac{2}{N-1} 2 (b_{i}-p_{i}) \times y_{1,i}$$

$$= -a \times (0-p_{2}d_{3}) \times y_{1,i} - a \times ((-p_{2}d_{3}) \times y_{2,2})$$

$$= a \cdot 58.$$

$$aSSR = 1.26, \quad dSSR = 1.90$$

$$dw_{4}. \quad dw_{2}$$

$$Step Size = derivation \times UR = 0.258.$$

$$NUNW_{3} = old W_{3} - Step size.$$

$$= (0,10), NW_{4}, NW_{5}, b_{4}$$

* We repeat this process until the predictions no longer improve very much.

— Max no of step size.

OPTIMIZING ALL PARAMETERS SIMULTANEOUSLY described assertions.

$$\frac{dSR}{W_3}, \frac{dSR}{W_4}, \frac{dSR}{b_3}$$

$$\frac{dSSR}{W_1} = \frac{dSSR}{dR_2} \times \frac{dR_2}{dY_1} \times \frac{dY_1}{dX_1} \times \frac{dX_1}{dW_1}$$

$$\frac{dSSR}{W_2} = \frac{dSSR}{dR_2} \times \frac{dR_2}{dY_2} \times \frac{dY_2}{dX_3} \times \frac{dX_2}{dW_3}$$

$$\frac{dSSR}{W_2} = \frac{dSSR}{dR_2} \times \frac{dR_2}{dY_1} \times \frac{dY_1}{dX_1} \times \frac{dX_1}{dW_1}$$

$$\frac{dSSR}{D_1} = \frac{dSSR}{R_2} \times \frac{dR_2}{dY_1} \times \frac{dY_1}{dX_1} \times \frac{dX_1}{dW_1}$$

$$\frac{dSSR}{D_1} = \frac{dSSR}{R_2} \times \frac{dR_2}{dY_1} \times \frac{dY_1}{dX_1} \times \frac{dX_1}{dW_1}$$

$$\frac{dSSR}{D_1} = \frac{dSSR}{R_2} \times \frac{dR_2}{dY_2} \times \frac{dY_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} = \frac{dSSR}{M_2} \times \frac{dR_2}{dX_2} \times \frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} = \frac{dSSR}{M_2} \times \frac{dR_2}{dX_2} \times \frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_2} \times \frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_2} \times \frac{dX_2}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_2} \times \frac{dX_1}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_2} \times \frac{dX_2}{dX_2}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

$$\frac{dSSR}{W_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

$$\frac{dSSR}{M_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

$$\frac{dSSR}{M_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

$$\frac{dSSR}{M_2} \times \frac{dSSR}{M_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

$$\frac{dSSR}{M_2} \times \frac{dSSR}{M_2} \times \frac{dX_1}{dX_1} \times \frac{dX_1}{dX_1}$$

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$$x_{1,i} = T_i \times W_1 + b_1$$

$$\frac{d}{dz} = \frac{1}{2}$$

$$\frac{d \cdot Q^2}{dx} = \frac{1}{2}$$

$$\frac{d \cdot Q^2}{dx} = e^x$$

$$\frac{d \cdot Q^2}{dx$$