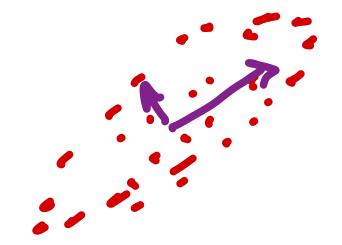
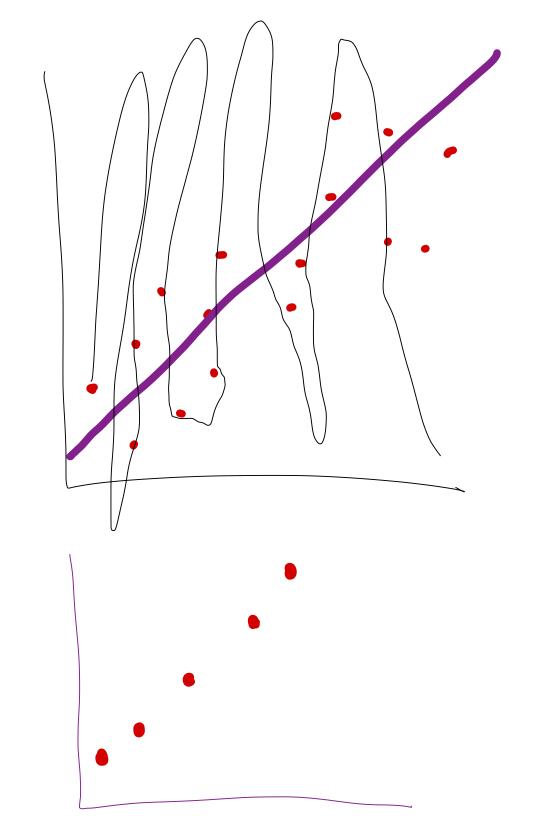
03/14/23

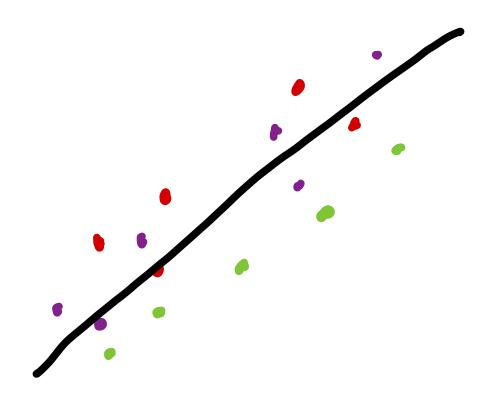
Classification

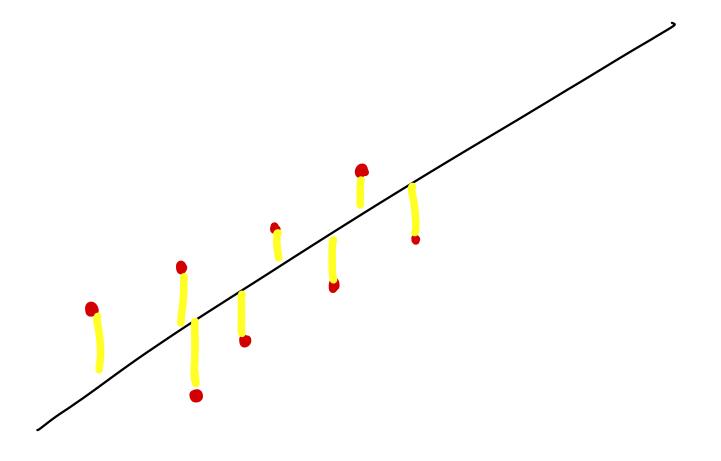
featur extraction + feature & leation

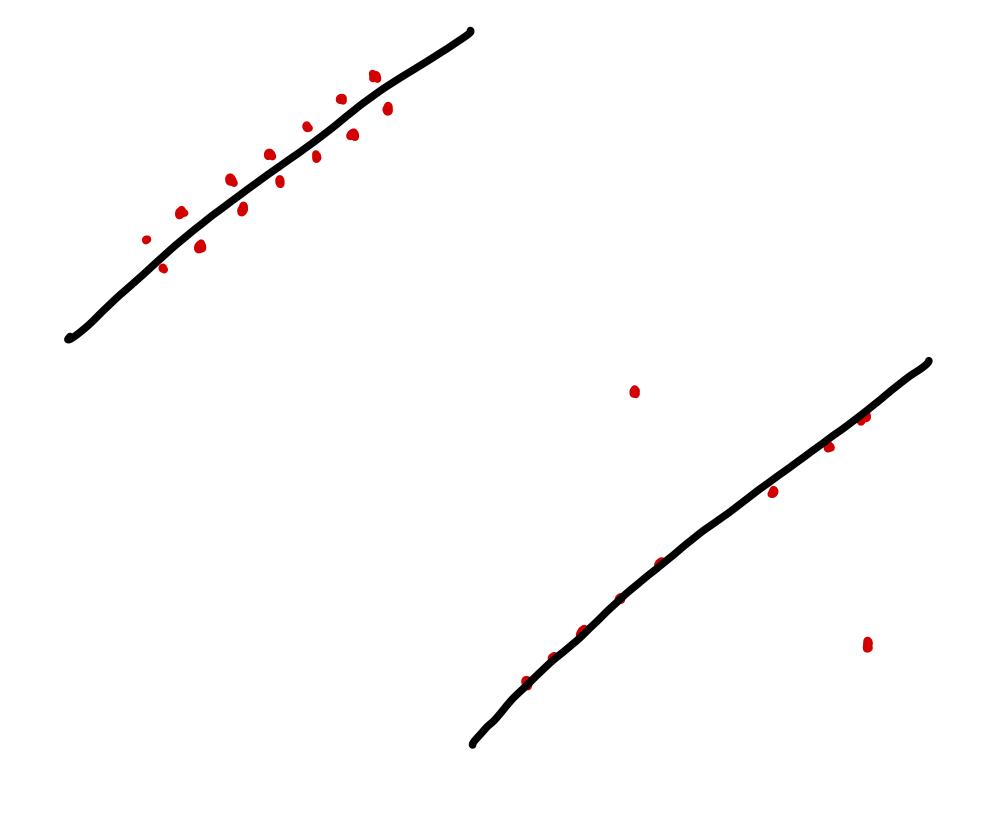


Mgression: predict a value









$$\left|\left|\alpha\right|\right|_{a} = \sqrt{\alpha_{1}^{2} + \alpha_{2}^{2} + \dots + \alpha_{n}^{2}}$$

$$\left|\left|\alpha\right|\right|_{a} = \left|\alpha_{1}\right| + \left|\alpha_{2}\right| + \dots + \left|\alpha_{n}\right|$$

$$\left|\left|\alpha\right|\right|_{a} = \max_{i} \left|\alpha_{i}\right|$$

$$y = mx, + b.$$

$$\vec{x} = [x, \vec{y}, -\langle \vec{x}, \omega \rangle]^{2}$$

$$v = [b]$$

$$||y - \chi_{\omega}||_{a}^{a} = (y - \chi_{\omega})^{T}(y - \chi_{\omega})$$

$$\phi(\vec{\omega}) = y^{T}y - \lambda_{\omega}^{T}\chi^{T}y + \omega^{T}\chi^{T}\chi_{\omega}$$

$$\chi: n \times m$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi \chi \omega$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$\nabla \phi(\vec{a}) = -2 \chi T_y + 2 \chi T \chi$$

$$y = mx + b$$
  
 $y = w_0 \cdot 1 + \omega_1 x_1$ 

$$\mathcal{Y} = \mathcal{W}_0 \cdot \underline{1} + \mathcal{W}_1 \times_1 + \mathcal{W}_2 \times_1^2$$

$$\mathcal{Y}_1 \times_2^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1}$$

$$\mathcal{X}_1 \times_2^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1}$$

$$\mathcal{X}_2 \times_3^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1} \times_3^2 \underline{1}$$

transformation of voricibles if behavior follows power law transform with loop