mean of data matrix is the average of our points

mean $(0) = u = \int_{0}^{\infty} x_i$

mean as center of mass

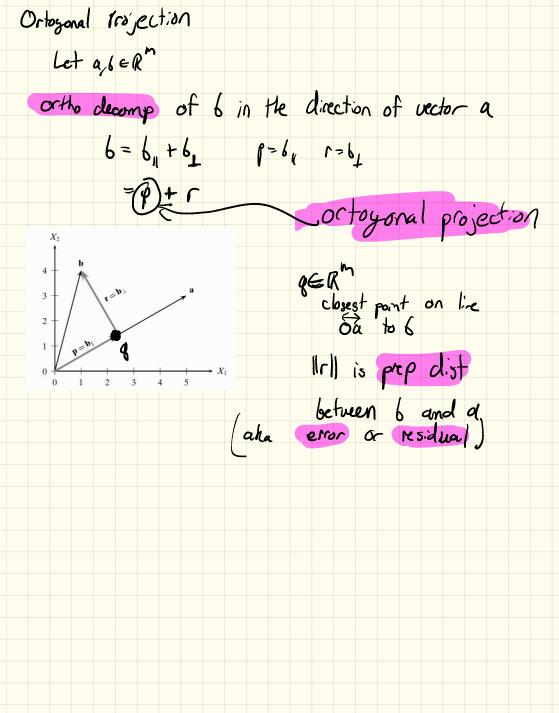
o total war

total variane any sp dist
of each pt from mean

var (D) = n = ||x_i-u||

Move ordin to read each point

Le R vect of all 15 $\overline{D} = 0 - 1 \cdot \mu^{T} = \begin{pmatrix} x_{1}^{T} \\ x_{n}^{T} \end{pmatrix} - \begin{pmatrix} \mu^{T} \\ \mu^{T} \end{pmatrix} = \begin{pmatrix} x_{1}^{T} - \mu^{T} \\ x_{n}^{T} - \mu^{T} \end{pmatrix}$



How to get
$$\rho$$
?

Vok: $\rho = 8a$ $\delta \in \mathbb{R}$

$$= 7 \quad \Gamma = 6 - \rho = 6 - 8a$$

$$= (7a) \cdot (1 - 8a)$$

$$= 7a \cdot 6 - 8a \cdot 6$$
Solve
$$= 7a \cdot 6 - 8a \cdot 6$$

$$\gamma = \frac{a \cdot b}{a \cdot a} = \frac{a \cdot b}{a} = \frac{a \cdot b}{a \cdot a} = \frac{a \cdot b}{a \cdot a} = \frac{a \cdot b}{a} = \frac{a \cdot b}{a} =$$

$$\rho = \gamma_{\alpha} = \rho_{ij_{\alpha}}(b) \alpha$$

