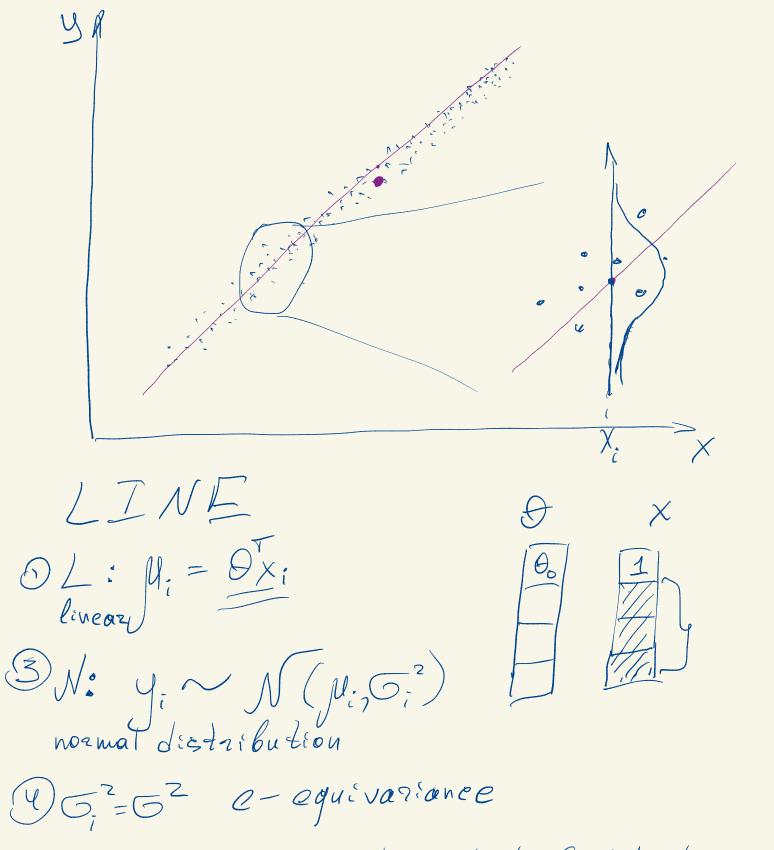
## Russens perfeccuse

$$P(A,B) = P(A|B)P(B) = P(B|A)P(A)$$

$$P(\theta, \mathcal{F}) = \int \{X_i, Y_i, \mathcal{F}\} = \{X_i, Y_i, Y_i, \mathcal{F}\} = \{X_i, Y_i, Y_i, \mathcal{F}\} = \{X_i, Y_i, Y_i, \mathcal{F}\} = \{X_$$



DI I.I.d. Independent & identically distributed.

$$P(X, y; \theta) = \frac{1}{\sqrt{2\pi G_{i}^{2}}} e^{-\frac{(y_{i} - \mu_{i})^{2}}{2G_{i}^{2}}} = \frac{1}{\sqrt{2\pi G_{i}^{2}}} e^{-\frac{(y_{i} - \mu_{i})^{2}$$

 $\theta = \underset{\text{arg min}}{\text{arg max}} \left[ N \cdot \frac{1}{200^2} + \sum_{j=0}^{j} (y_i - \theta^T x_i)^2 \right] =$   $= \underset{i=1}{\text{arg min}} \left[ \sum_{j=1}^{N} (y_i - \theta^T x_i)^2 \right] \underset{\text{error}}{\text{mean}} \text{ MSE}$   $= \underset{i=1}{\text{arg min}} \left[ \sum_{j=1}^{N} (y_j - \theta^T x_i)^2 \right] \underset{\text{error}}{\text{mean}} \text{ MSE}$   $= \underset{\text{error}}{\text{obsolute}} \text{ MAE}$