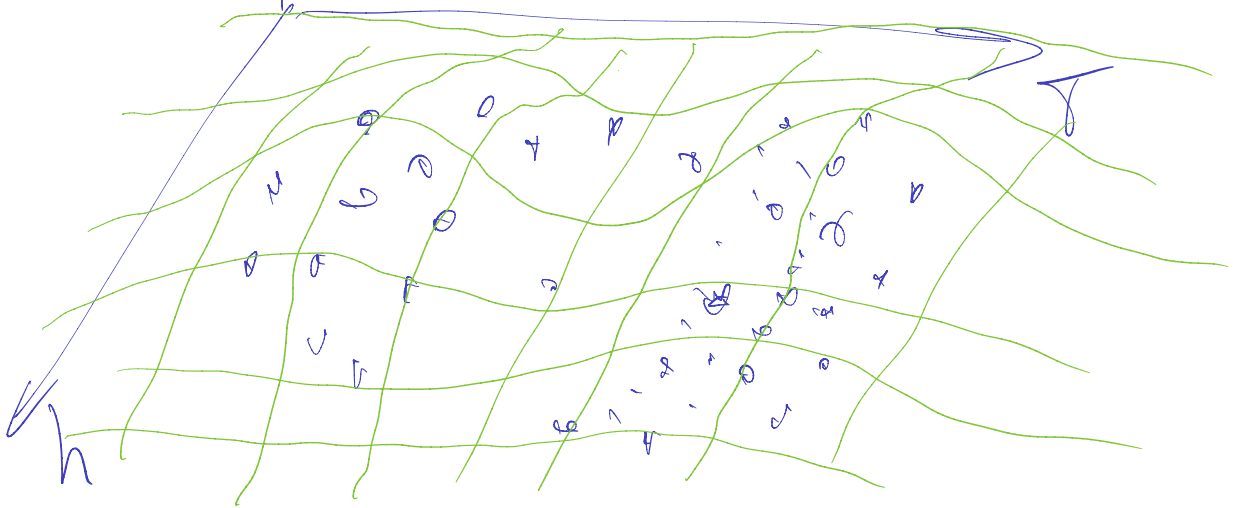


$\uparrow \text{pdf}(x)$

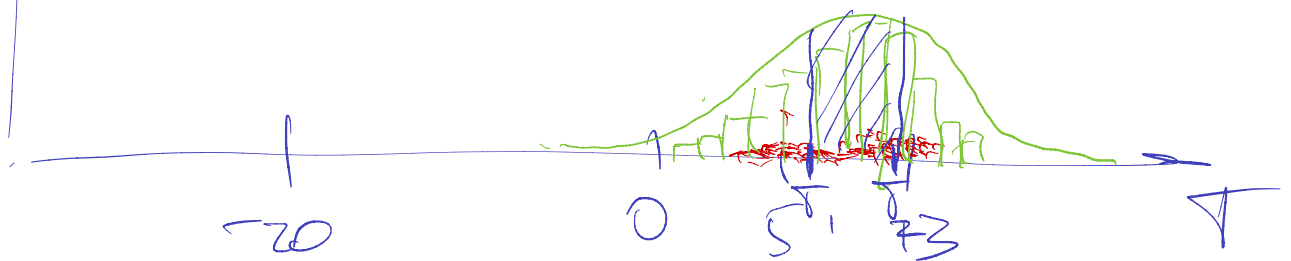
$$\int_{\mathcal{H}} \text{pdf}(h, \tau) dh d\tau = 1$$

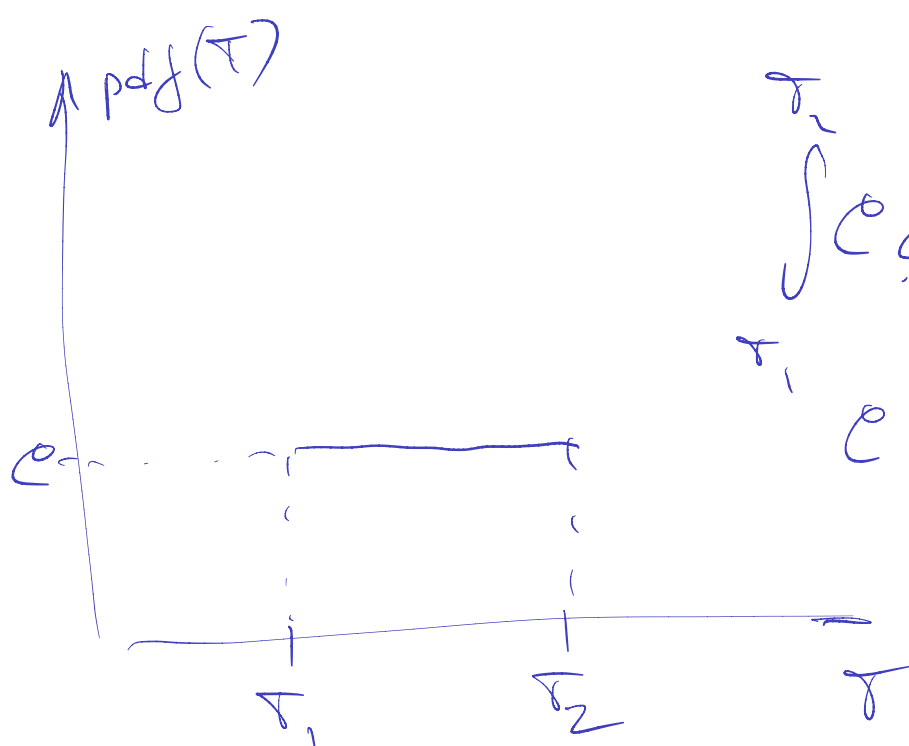


$\uparrow \text{pdf}(\tau)$

$$P(\tau_1 < \tau < \tau_2) = \int_{\tau_1}^{\tau_2} \text{pdf}(\tau) d\tau$$

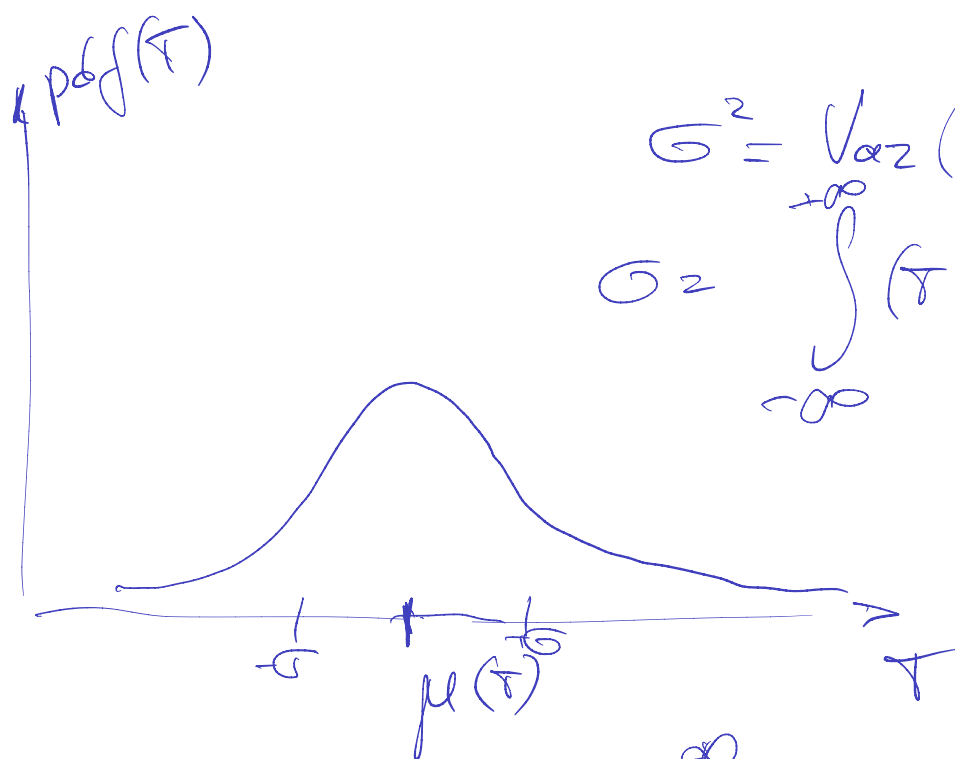
$$\int_{-\infty}^{\infty} \text{pdf}(\tau) d\tau = 1$$





$$\int_{T_1}^{T_2} c \, dT = 1$$

$$c(T_2 - T_1) = 1$$



$$\sigma^2 = \text{Var}(T)$$

$$\sigma^2 = \int_{-\infty}^{+\infty} (T - \mu)^2 \text{pdf}(T) \, dT$$

$$\mu = \int_{-\infty}^{\infty} (T) \text{pdf}(T) \, dT$$

$$\hat{\mu} = \frac{1}{N} \sum_{i=1}^N T_i$$

$$X_i \sim P(\bar{X})$$

$$X_i \sim P(\bar{X} | t \in \text{зона})$$

$$\hat{y}_i = f(\vec{\theta}, \vec{x}_i) \quad \uparrow \quad \mathcal{L}(\mathcal{T}, \vec{\theta})$$

$$\mathcal{L}(\mathcal{T}, \vec{\theta}) = \sum (\hat{y}_i - y_i)^2$$

$$\mathcal{T} = \{\vec{x}_i, \vec{y}_i\}$$

$$\mathcal{T}_N = N \times f$$

$$\vec{\theta}$$

