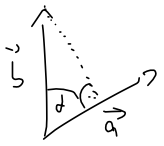
$P(E \cap F) = P(E) \cdot P(F)$

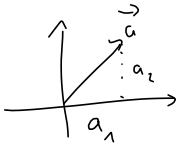
DM 2018-11-07

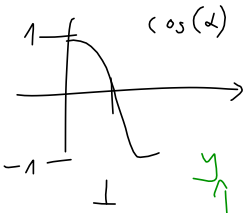
$\vec{a} \cdot \vec{b} = \|a\| \cdot \|b\| \cdot \cos(\sphericalangle \vec{a}, \vec{b})$

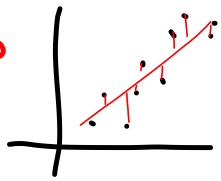
$= \sum_{i=1}^{N} a_i b_i$

$\|\vec{a}\| = \sqrt{a_1^2 + a_2^2}$





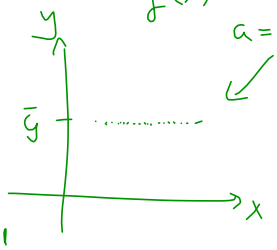




$r > 0$

$f(x) = ax + b$

$a = 0, b = \bar{y}$



$\langle (x - \langle x \rangle)^2 \rangle$

$\langle \cdot \rangle = \frac{1}{M} \sum_{i=1}^{M}$