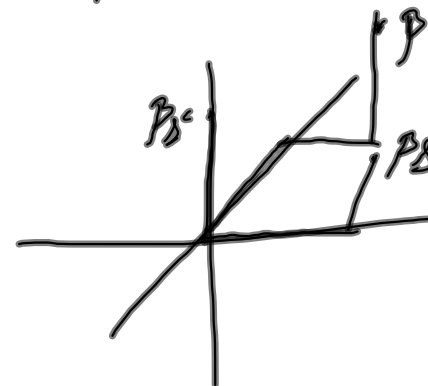
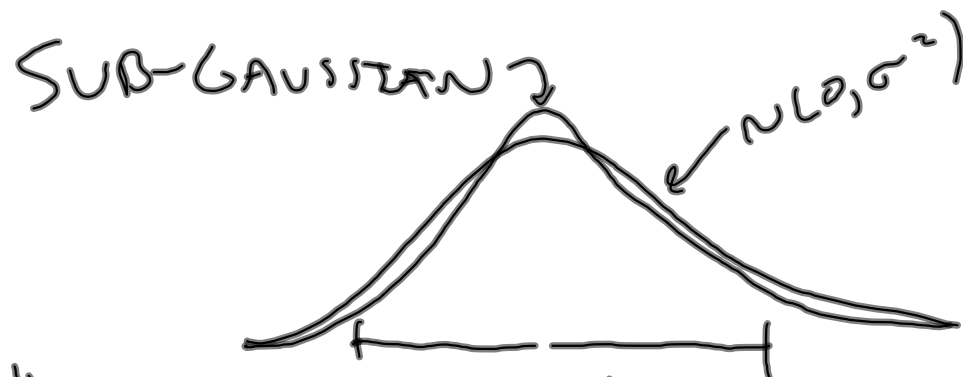


$$\omega \in \Omega \quad (\Omega, \mathcal{A}, \mathbb{P})$$

$$\mathcal{T} = \left\{ \omega : \|\Sigma^T X / n\|_{\infty} \leq \lambda_0 \right\}$$

$$\Sigma(\omega)$$

$$\|\beta\|_1 = \|\beta_S\|_1 + \|\beta_{S^c}\|_1$$



$$\|x - y\| \geq |\|x\| - \|y\||$$