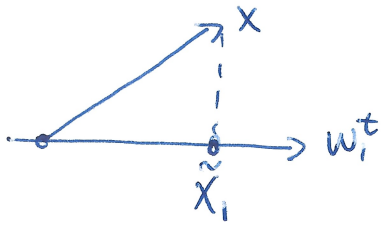
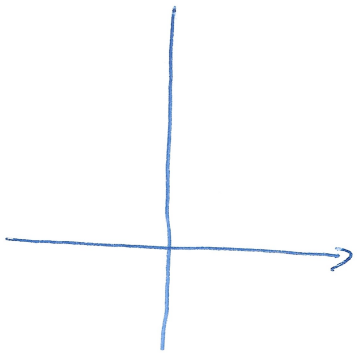
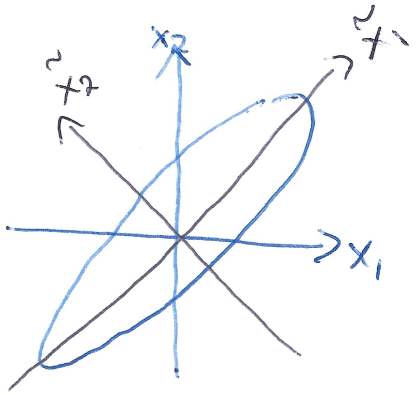
$$\begin{bmatrix} | \\ \tilde{\underline{X}} \\ | \end{bmatrix} = \begin{bmatrix} \tilde{x}_1 \\ \tilde{x}_2 \\ \vdots \\ \tilde{x}_N \end{bmatrix} = \begin{array}{c} 1 \\ \\ N \end{array} \overset{N}{\begin{bmatrix} - & w_1^t & - \\ - & w_2^t & - \\ & \vdots & \\ - & w_N^t & - \end{bmatrix}} \begin{bmatrix} | \\ \underline{X} \\ | \end{bmatrix}_N$$







$var(x_1) = var(x_2)$

$\rightarrow var(\tilde{x}_1) > var(\tilde{x}_2)$

$$x \rightarrow \boxed{T} \rightarrow \tilde{x} \rightarrow \boxed{f_k(\tilde{x}, m)} \rightarrow \tilde{y} \rightarrow \boxed{T^{-1}} \rightarrow y$$

m k

min D_{xy}

$$x \rightarrow \boxed{\text{Neural Network}} \rightarrow \tilde{x} \rightarrow \boxed{f_k(\tilde{x}, m)} \rightarrow \tilde{y} \rightarrow \boxed{\text{inv}} \rightarrow y$$

m k

min D_x