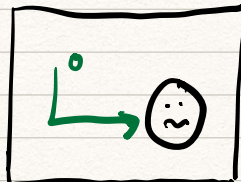


Robust SVD / Robust PCA.

Limitations

Invariance

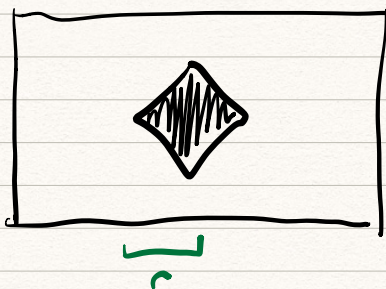
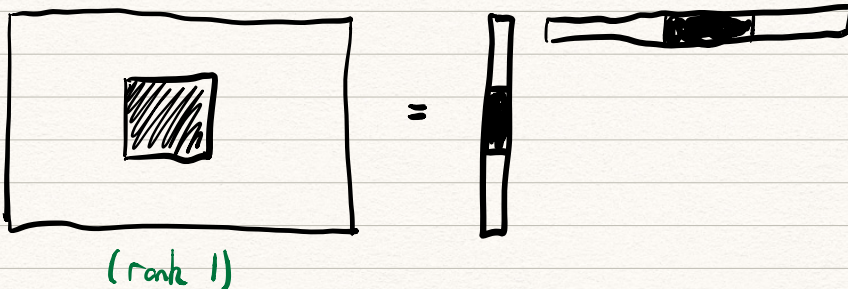


Translational Invariance

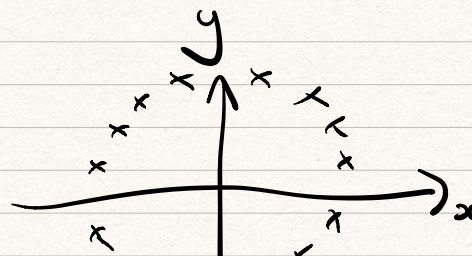
SVD associated with $X^T X = (x_i^T x_j)_{ij}$

Solution: CNN

Rotational Invariance



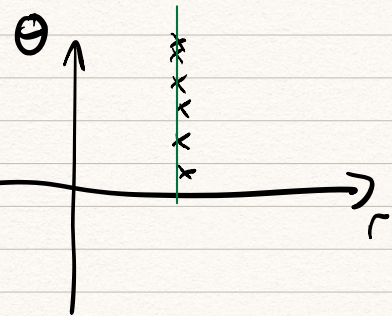
Linearity





$x < x^*$

Transform



Autoencoder

