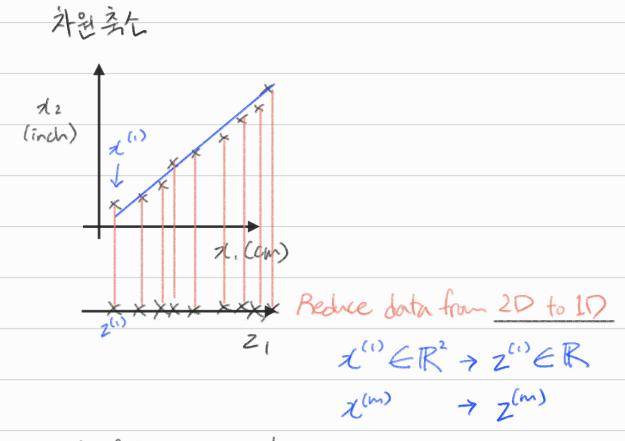
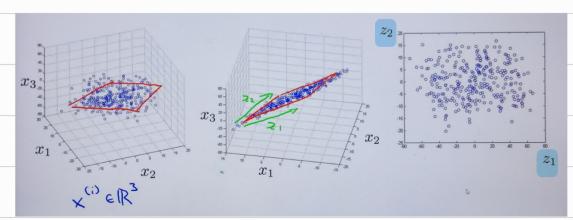
Motivation I: Data Compression



... Allow us our learning algorithms run move quickly as well



Reduce data from 3D to 2D

Motivation II: Visualization ... Plot and understand better ex. $\chi^{(i)} \in \mathbb{R}^{50} \to \chi^{(i)} \in \mathbb{R}^2$ 50D to 2D