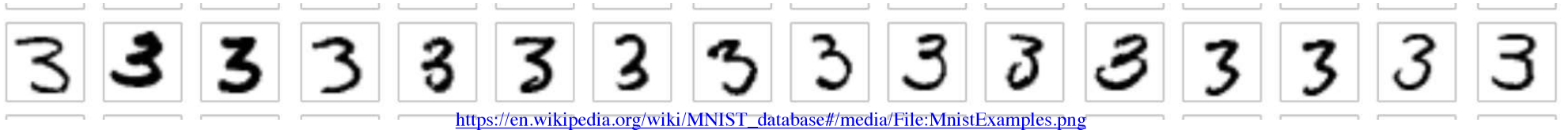
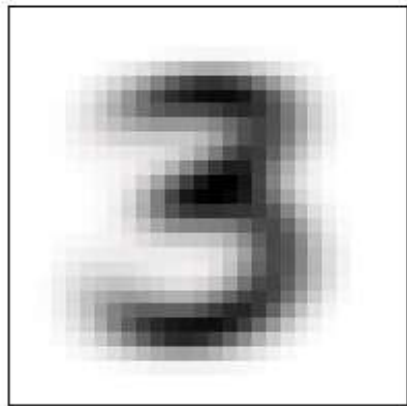


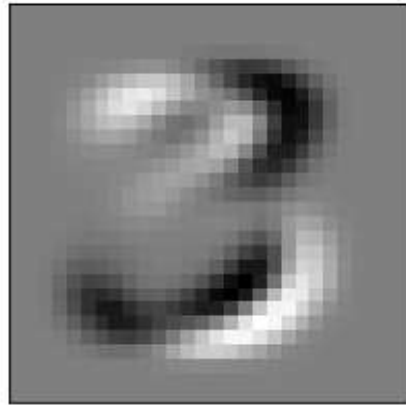
Application to the MNIST dataset (just the 3's)



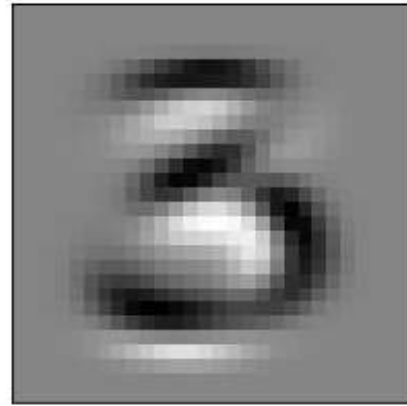
Mean and eigenvectors:



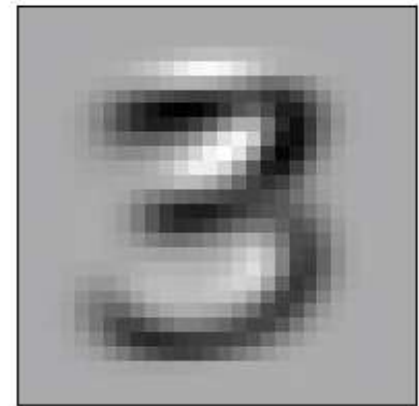
$\bar{\mathbf{x}}$



\mathbf{w}_1



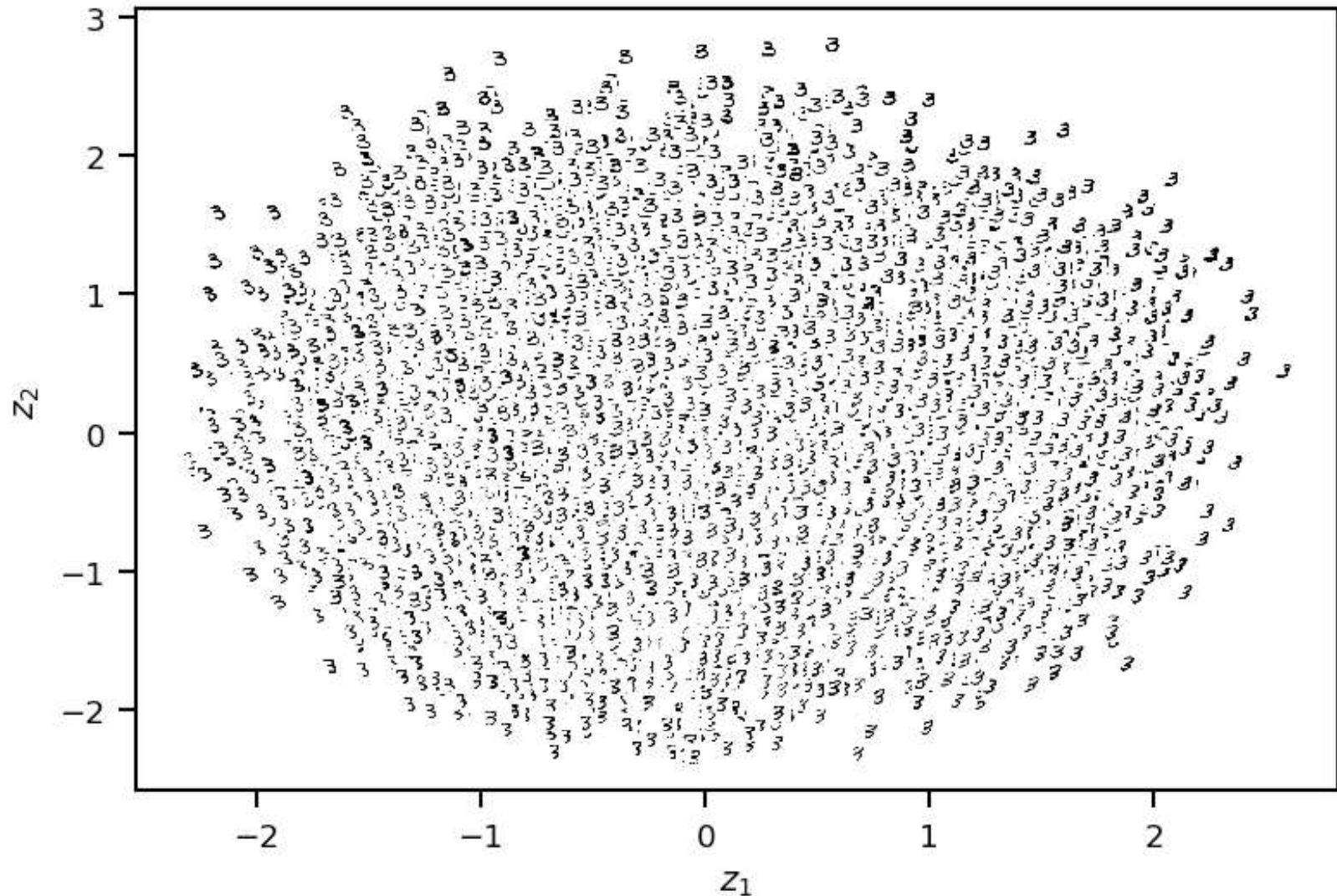
\mathbf{w}_2



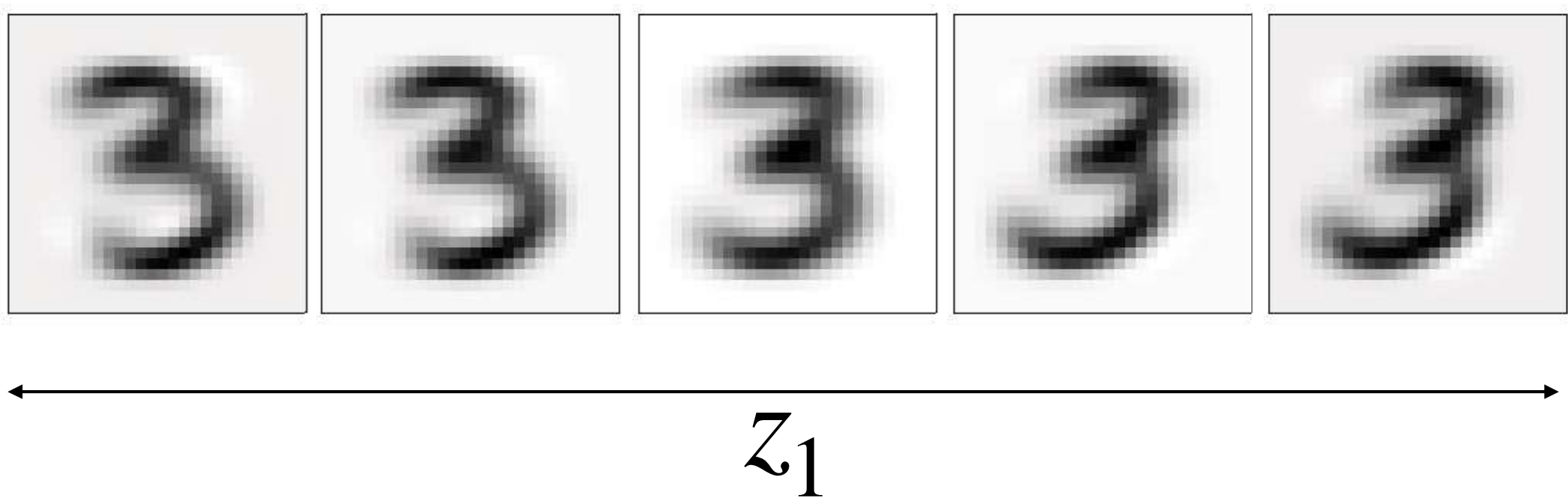
\mathbf{w}_3

...

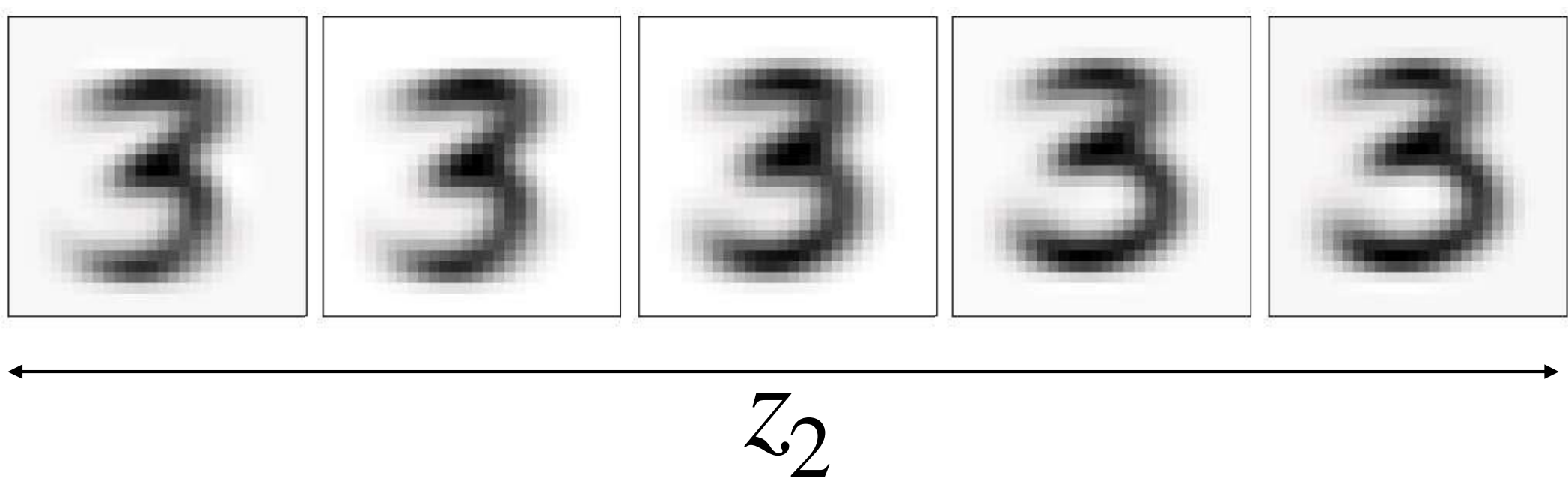
Projection of the data in two dimensions (1 and 2)



What happens when you only change z_1



What happens when you only change z_2



What happens when you only change z_3

