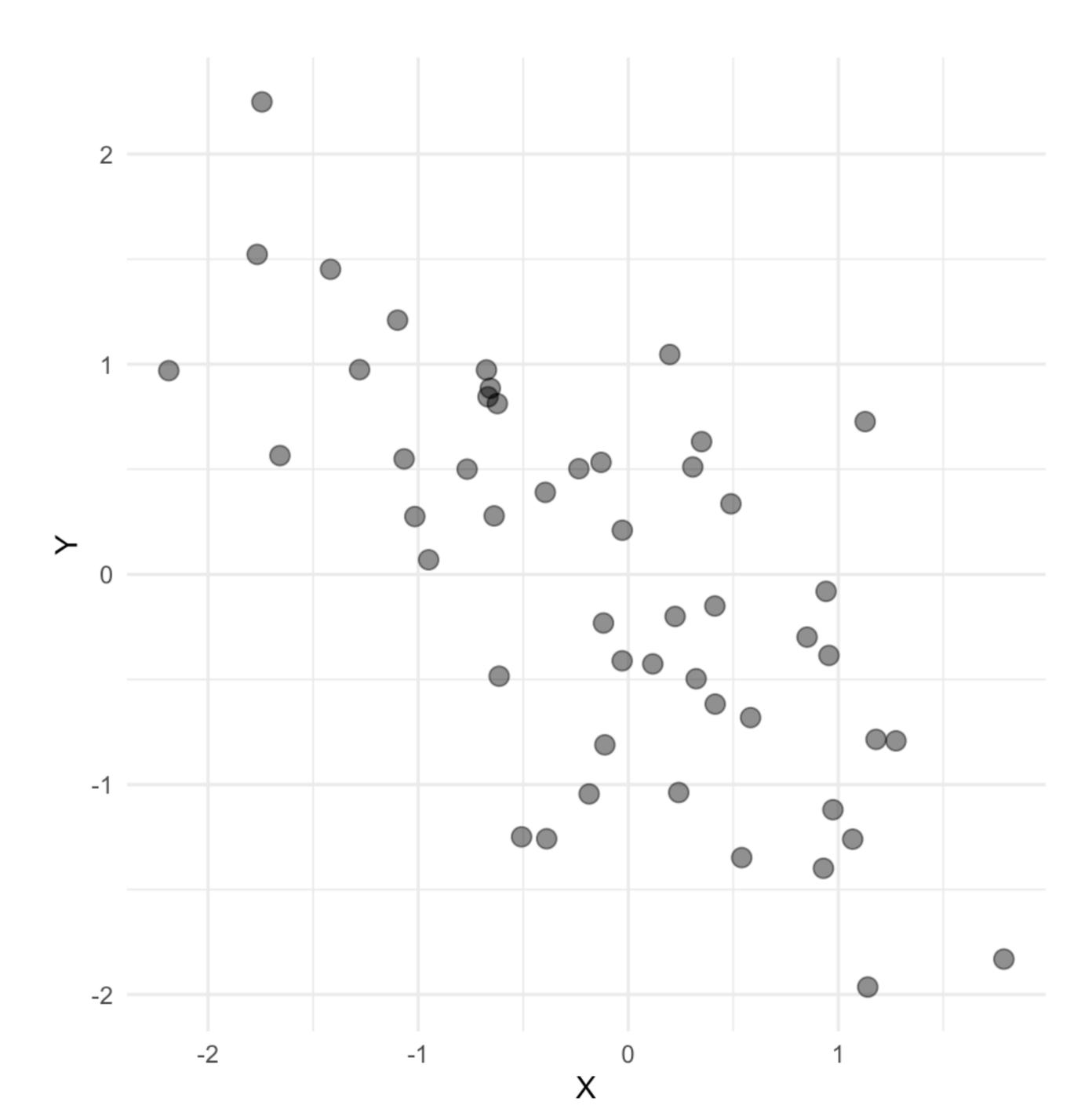
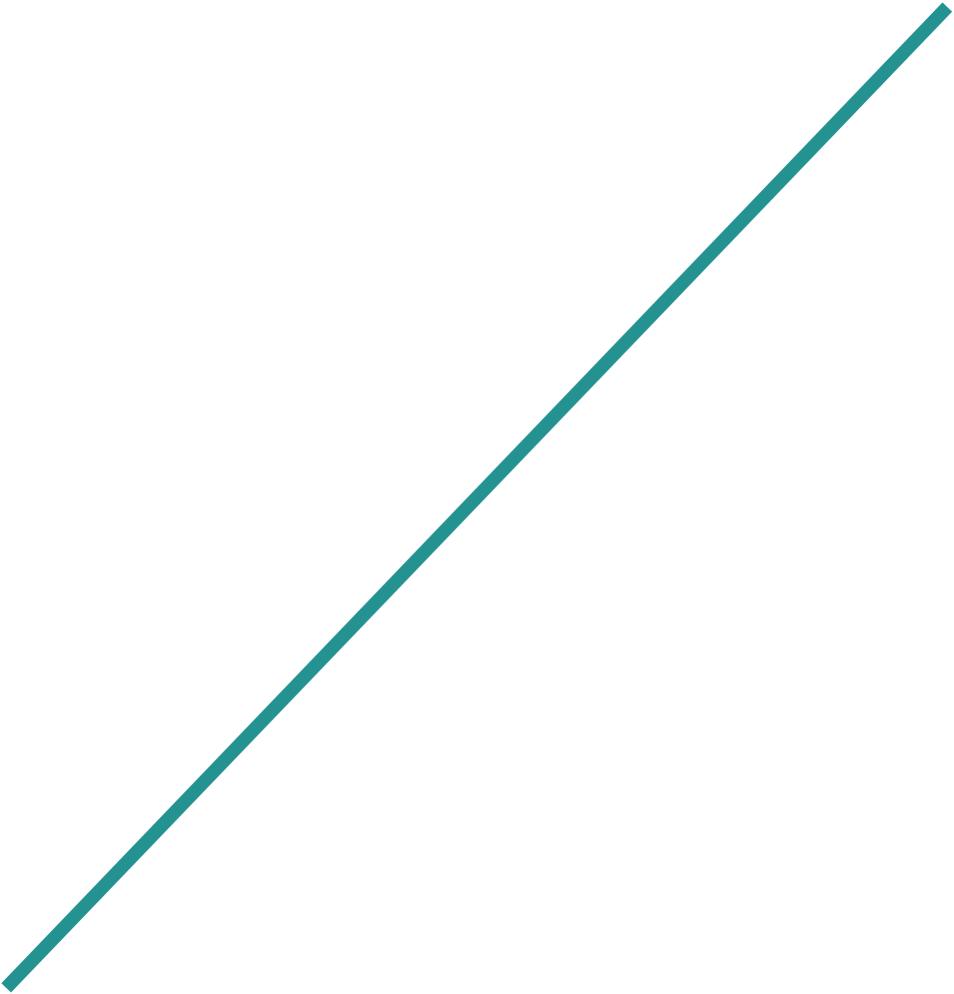
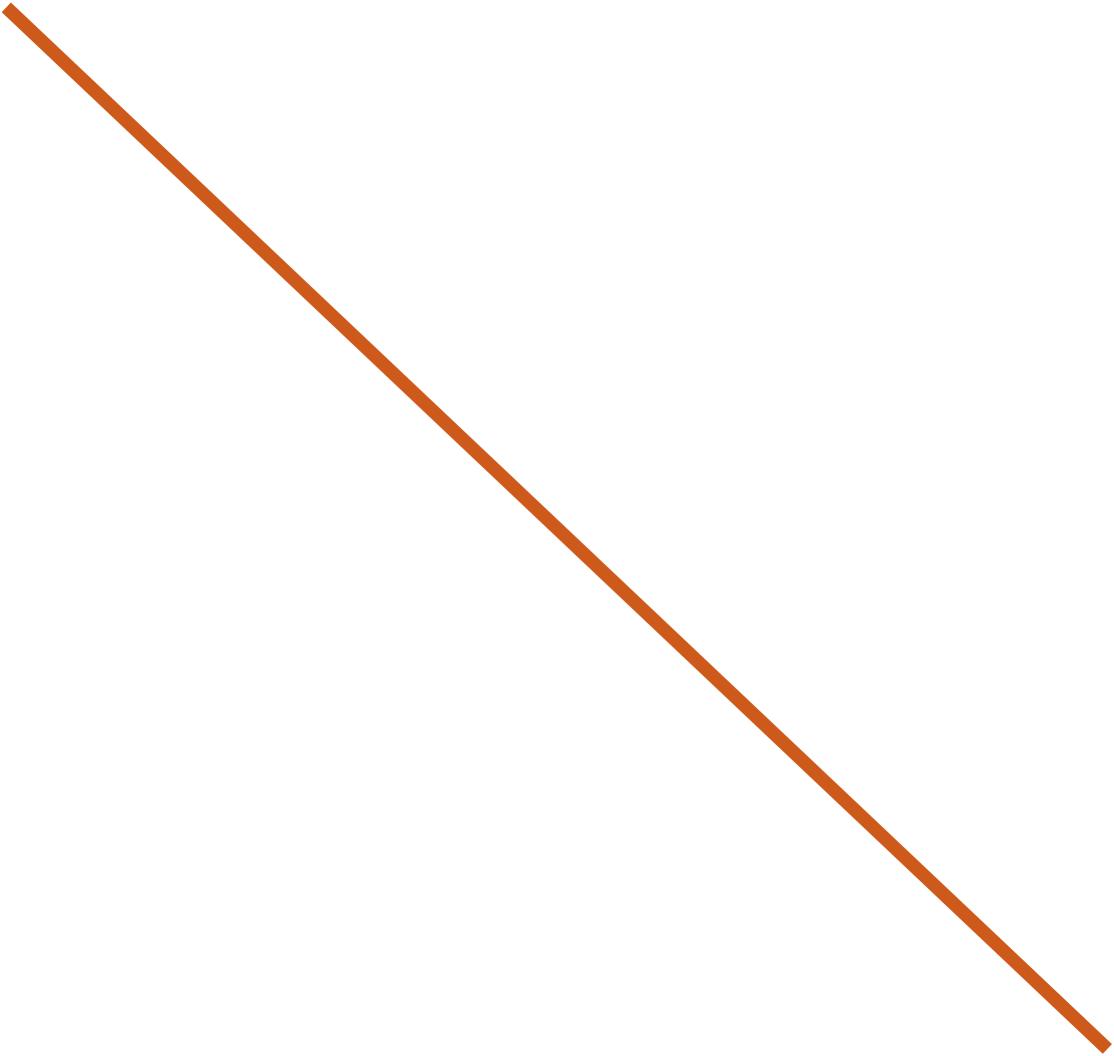
## Example







.no 

## in PCA we perform eigendecomposition on the covariance matrix of the data

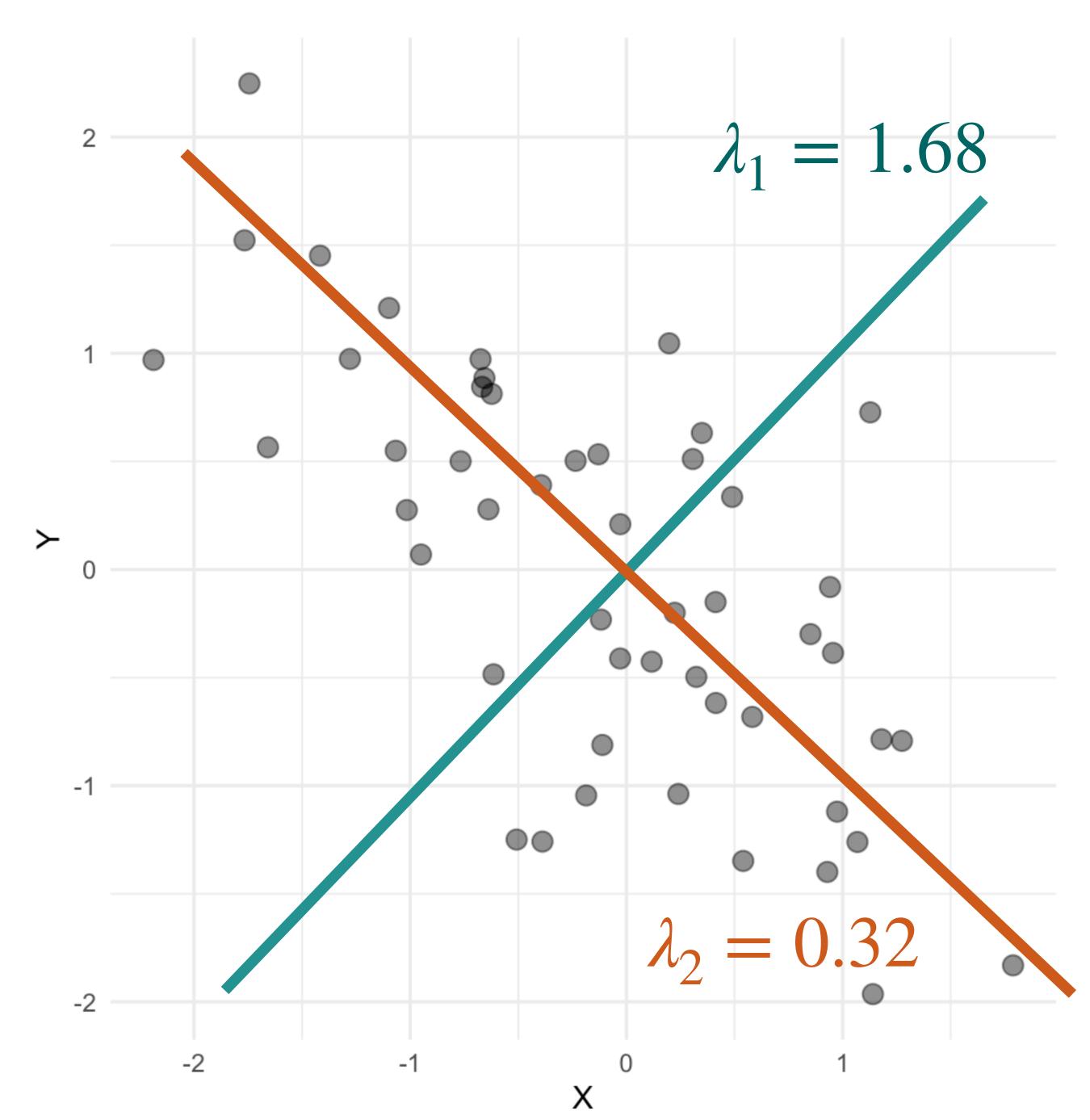
$$Cov(\mathbf{x}) = \begin{bmatrix} 1 \\ -0.69 \end{bmatrix}$$

-0.69

## Example

in PCA we perform eigendecomposition on the covariance matrix of the data

$$Cov(\mathbf{x}) = \begin{bmatrix} 1 & -0.69 \\ -0.69 & 1 \end{bmatrix}$$



## Example

