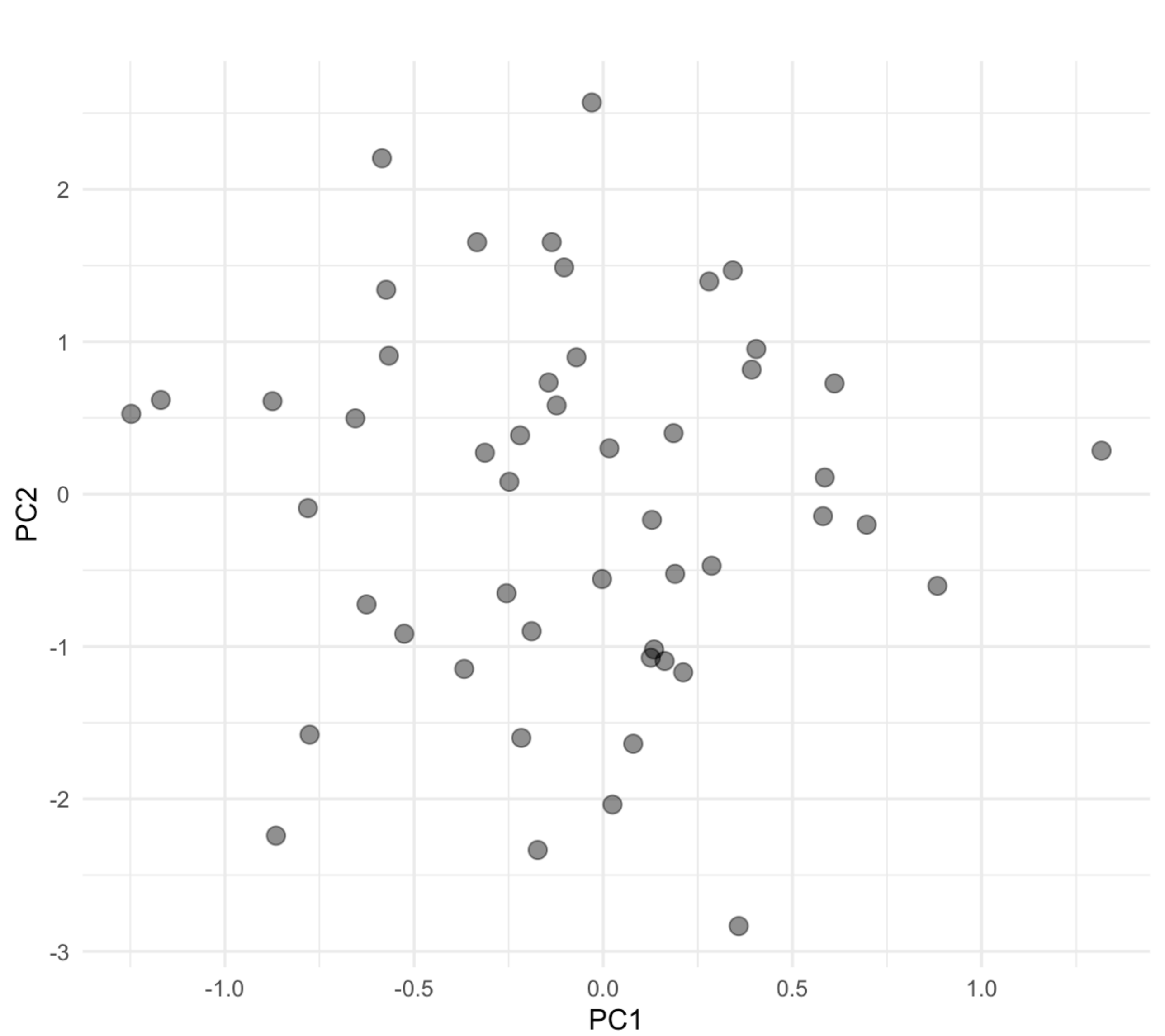
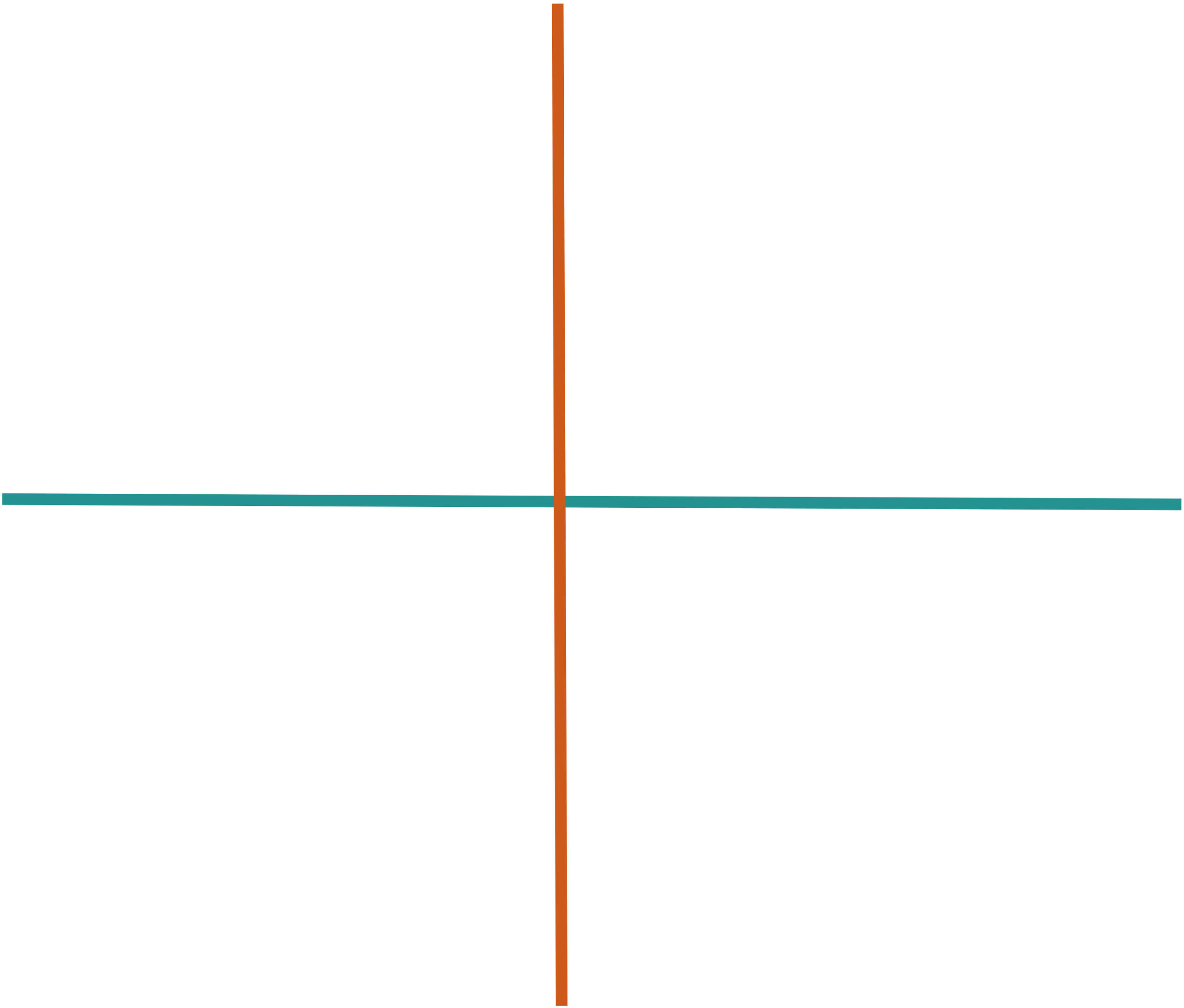

2
1
0
-1
-2
-3
PC2
-1.0
-0.5
0.0
0.5
1.0
PC1


Example



$$\text{eigenvect}_1 = \begin{bmatrix} 0.71 \\ 0.71 \end{bmatrix}$$

$$\text{eigenvect}_2 = \begin{bmatrix} 0.71 \\ -0.71 \end{bmatrix}$$

the **loadings** (eigenvectors/weights) tell us how much of the original data points go into our new PC variables

the **scores** are the transformed values of the data in the new coordinate system defined by the principal components.

Example

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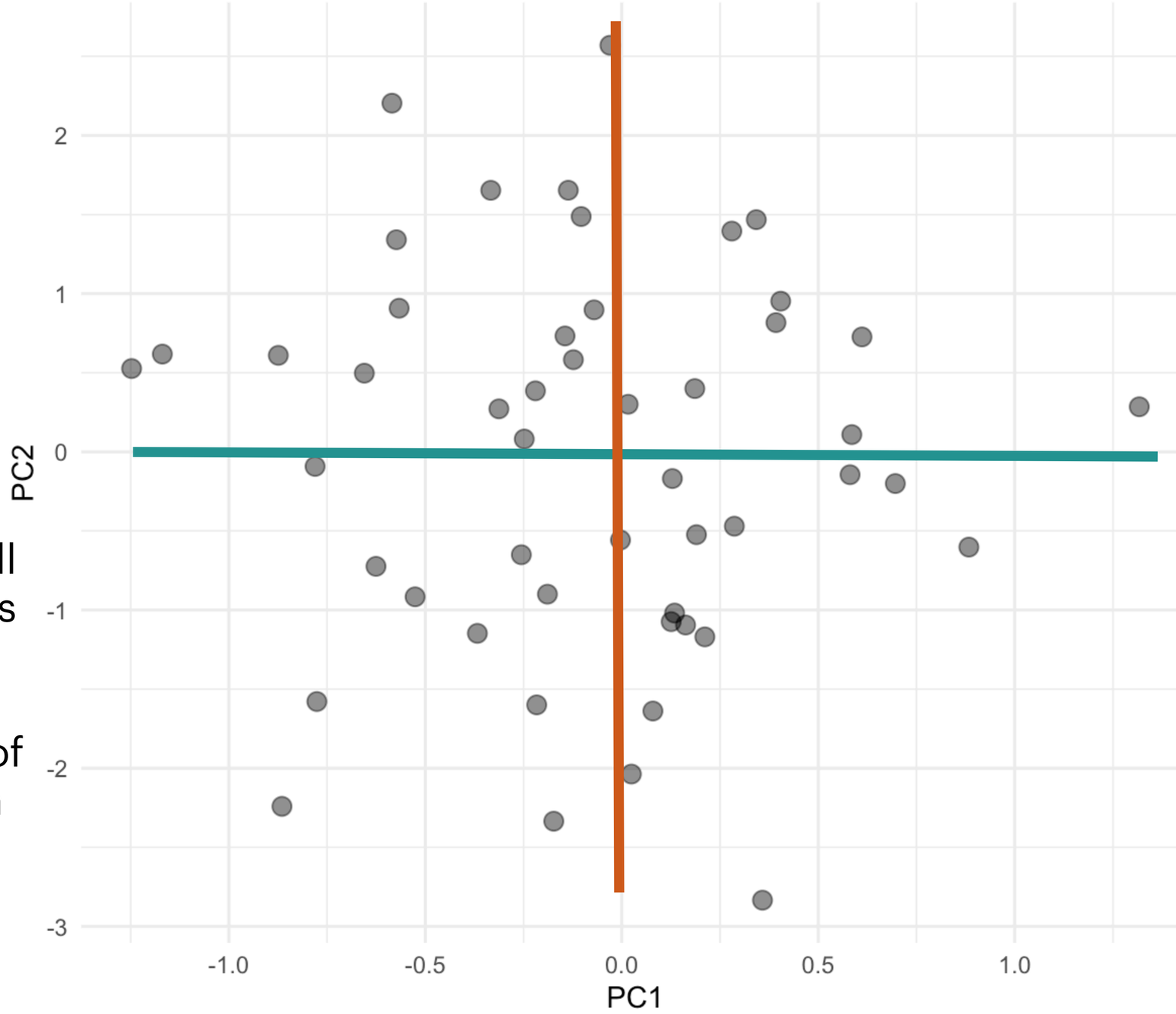

Example