

A PCA plot showing the relationship between the x PCA component (horizontal axis) and the y PCA component (vertical axis). The x-axis ranges from approximately -0.3 to 0.7, with major ticks at -0.2, 0.0, 0.2, 0.4, and 0.6. The y-axis ranges from approximately -0.3 to 0.7, with major ticks at -0.2, 0.0, 0.2, 0.4, and 0.6. The data points are represented by blue dots and are clustered into four distinct groups: a cluster at the top-left (approx. x = -0.25, y = 0.6), a cluster at the top-right (approx. x = 0.7, y = 0.6), a cluster at the bottom-left (approx. x = -0.3, y = -0.3), and a cluster at the bottom-right (approx. x = 0.65, y = -0.3). The clusters at the top and bottom are more spread out along the x-axis, while the clusters on the left and right are more spread out along the y-axis.

