

A PCA plot showing the relationship between PC1 (X-axis) and PC5 (Y-axis). The X-axis ranges from -2000 to 2000, and the Y-axis ranges from -2000 to 2000. The plot displays a dense cluster of points centered around (0, 0), with several outliers. The points are colored based on their group: green, orange, blue, purple, brown, and grey. The cluster is elongated along the PC1 axis, with points extending from approximately -1000 to 1000 on the X-axis and -1000 to 1000 on the Y-axis. There are several green points scattered around the cluster, including one at approximately (-1800, 0), one at (-1000, 0), one at (0, 1800), one at (0, -1800), one at (1800, 0), and one at (1800, -1800). There are also several orange points, including one at approximately (800, 800), one at (800, -800), one at (-800, 800), and one at (-800, -800). There are also several blue points, including one at approximately (0, 800), one at (0, -800), one at (800, 0), and one at (-800, 0). There are also several purple points, including one at approximately (1000, 1000), one at (1000, -1000), one at (-1000, 1000), and one at (-1000, -1000). There are also several brown points, including one at approximately (1000, 1000), one at (1000, -1000), one at (-1000, 1000), and one at (-1000, -1000). There are also several grey points, including one at approximately (0, 800), one at (0, -800), one at (800, 0), and one at (-800, 0).

