

A scatter plot showing 1000 data points distributed across a 2D space. The x-axis ranges from approximately 56200 to 57400, and the y-axis ranges from approximately 1000 to 9000. The points are colored based on their category, as indicated by the legend in the top right corner:

- g** (purple)
- r** (blue)
- i** (green)
- z** (orange)

The plot displays several distinct clusters of points. A large, dense cluster of orange points is located in the lower-left quadrant (around x=56300, y=1500). Another large cluster of orange points is in the lower-right quadrant (around x=57300, y=1500). A cluster of green and blue points is in the upper-left quadrant (around x=56600, y=6000). A cluster of green and blue points is in the upper-right quadrant (around x=57000, y=6000). A single purple point is located in the upper-right quadrant (around x=57250, y=8500). The overall distribution shows a clear separation between the orange points and the other categories, with some overlap between the green and blue points.

