

A scatter plot showing the distribution of four astronomical filters: g (purple), r (blue), i (green), and z (orange). The x-axis represents a numerical range from 56300 to 57400, with major ticks every 200 units. The y-axis represents another numerical range from 0 to 100, with major ticks every 20 units. The data points are scattered across the plot, with a notable concentration of points between x=56500 and x=57100. The z filter (orange) shows a distinct peak in the y-value around x=56550, reaching nearly 100. The g filter (purple) has a few points at higher x-values, around 57250 and 57350. The r (blue) and i (green) filters are more widely distributed across the x-range.

