

A scatter plot showing the time evolution of the color index ($g-r$) for a sample of 100 galaxies. The x-axis is 'time [MJD]' ranging from 56300 to 57400. The y-axis is ' $g-r$ ' ranging from 0.0 to 2.5. The plot shows four distinct clusters of points, each corresponding to a different redshift (z). The legend indicates: g (purple), r (blue), i (green), and z (orange). The clusters are located at approximately (56350, 1.0), (56600, 1.0), (56950, 1.0), and (57350, 1.0). The z points are outliers at the top and bottom of the plot.

