

The figure is a scatter plot showing the time evolution of the color index (g-r) for a sample of 1000 galaxies. The x-axis is labeled 'time [MJD]' and ranges from 5630 to 5740. The y-axis is labeled 'g-r' and ranges from 0.0 to 1.0. The plot shows four distinct clusters of points, each corresponding to a different redshift (z). The clusters are color-coded: g (purple), r (cyan), i (green), and z (orange). The clusters are located at approximately (5635, 0.4), (5660, 0.4), (5700, 0.4), and (5735, 0.4). There are also two outliers at the top and bottom of the plot, around (5665, 0.9) and (5665, 0.1).

