

A scatter plot showing the time evolution of the color index ( $g-r$ ) for a sample of 1000 galaxies. The x-axis is 'time [MJD]' ranging from 5630 to 5740. The y-axis is ' $g-r$ ' ranging from 0.0 to 2.5. Data points are colored by redshift: g (purple), r (blue), i (green), and z (orange). The plot shows a general trend where the color index increases over time, with a significant increase around MJD 5700. A legend in the top right corner identifies the color bands.

