

A scatter plot showing the distribution of four classes (g, r, i, z) in the r vs i plane. The x-axis represents the r magnitude, ranging from 5630 to 5740. The y-axis represents the i magnitude, ranging from 17.5 to 22.5. The legend indicates: g (purple), r (cyan), i (green), and z (orange). The plot shows several distinct clusters of points, with some overlap between the classes. A single purple point (g) is located at approximately $r = 5660$, $i = 17.5$.

