

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 56300 to 57400. The y-axis represents the  $i$  magnitude, ranging from 18.0 to 22.0. The legend indicates that 'g' is purple, 'r' is blue, 'i' is green, and 'z' is orange. The plot shows several distinct clusters of points, with 'z' points generally at higher  $r$  and  $i$  values, and 'r' points generally at lower  $r$  and  $i$  values.

