

A scatter plot showing the distribution of galaxies in the Virgo cluster, categorized by redshift (z) and distance (r). The x-axis represents distance in Mpc, ranging from 56400 to 57400. The y-axis represents redshift (z), ranging from 0.00 to 0.04. The legend indicates four categories: g (green), r (red), i (blue), and z (orange). The plot shows a dense concentration of galaxies in the center, with a clear separation between the 'g' and 'r' categories and the 'i' and 'z' categories.

