Day Assignment 6

Measure the distance modulus $(m-M)_0$ to M67.

First plot the $(g-r)$ vs. $r$, color-magnitude diagram, correcting for the reddening, and then fit the theoretical isochrone vertically. Note that the subscript on the distance modulus means that this is the magnitude difference due to distance only (e.g. not including extinction). What is this distance in kpc? How does your distance result for M67 compare to literature values?