

Astronomy 210 Spring 2011
Homework Set #10: Data Analysis Option – Erratum

Problem 2, Part (j)

The original version of the problem mentioned a result from Homework 9. But the relevant problem in Homework 9 got removed, so you need more information. As the updated version of question 2(j) now explains:

Imagine galaxies are evenly spread in space (e.g., in a cubic lattice). In this case, show that distance between nearest neighbors is $\ell_{\text{gal}} = n_{\text{gal}}^{-1/3}$, where n_{gal} is the number density of galaxies.

Problem 2, Part (k)

Here there was a mislabelling. You were referred to question 2(h), but you are to use the number density which you in fact found in part (i).

Management regrets the error.