

Assignment 3

Using the data set *dataset_ergmm* provided in the course demonstration to finish the following questions:

1. Estimate the model 1 in the course demonstration but change the specification of latent positions from the euclidean distance to the inner product (in two dimensions). Report the summary of model fit and plot your estimation results of latent positions.
2. Estimate the model 2 in the course demonstration and specify the latent positions in three clusters. Report the summary of model fit and plot your estimation results of latent positions and clusters.