

**EE16B, Spring 2018
UC Berkeley EECS**

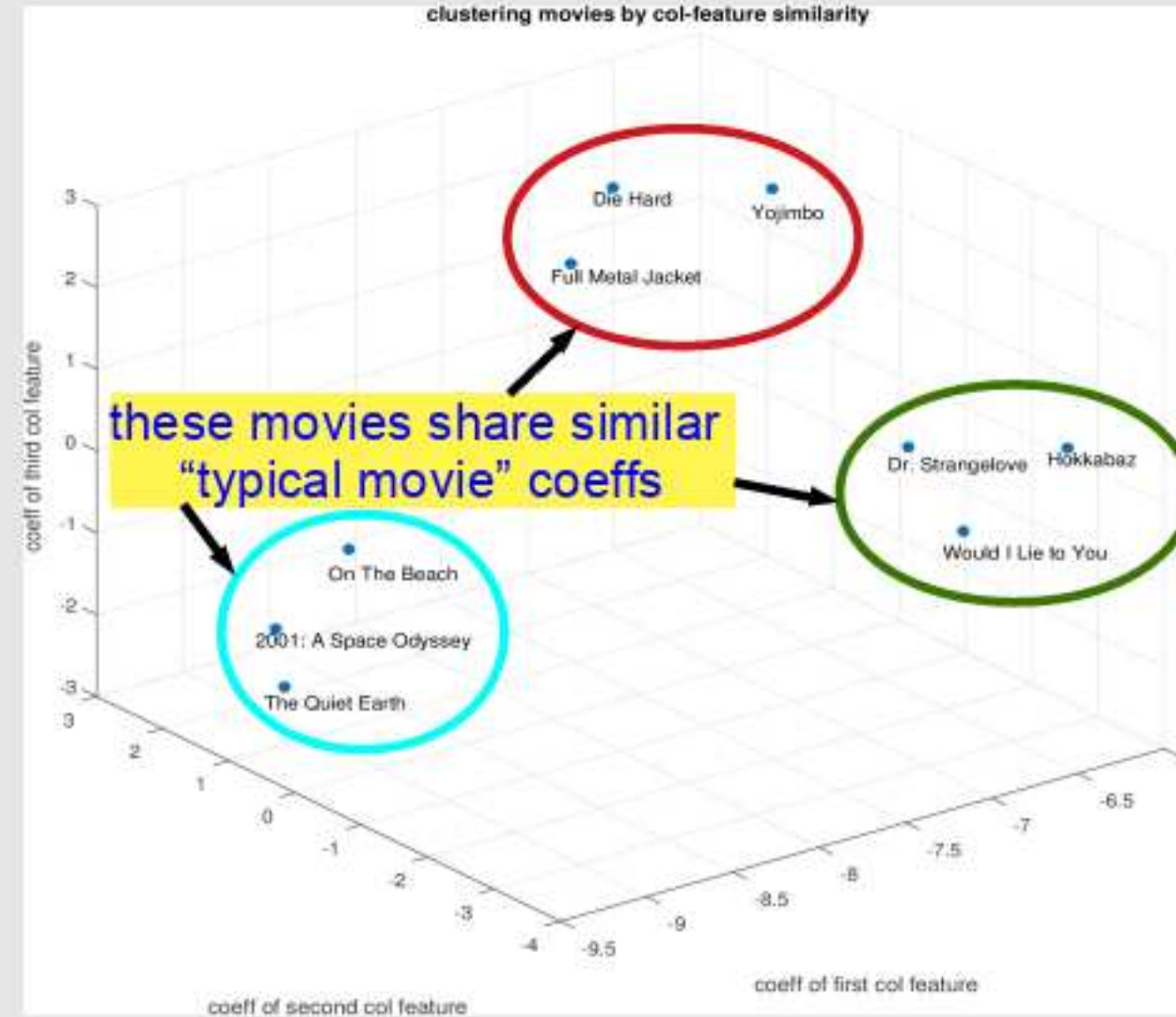
Maharbiz and Roychowdhury

Lecture 9B

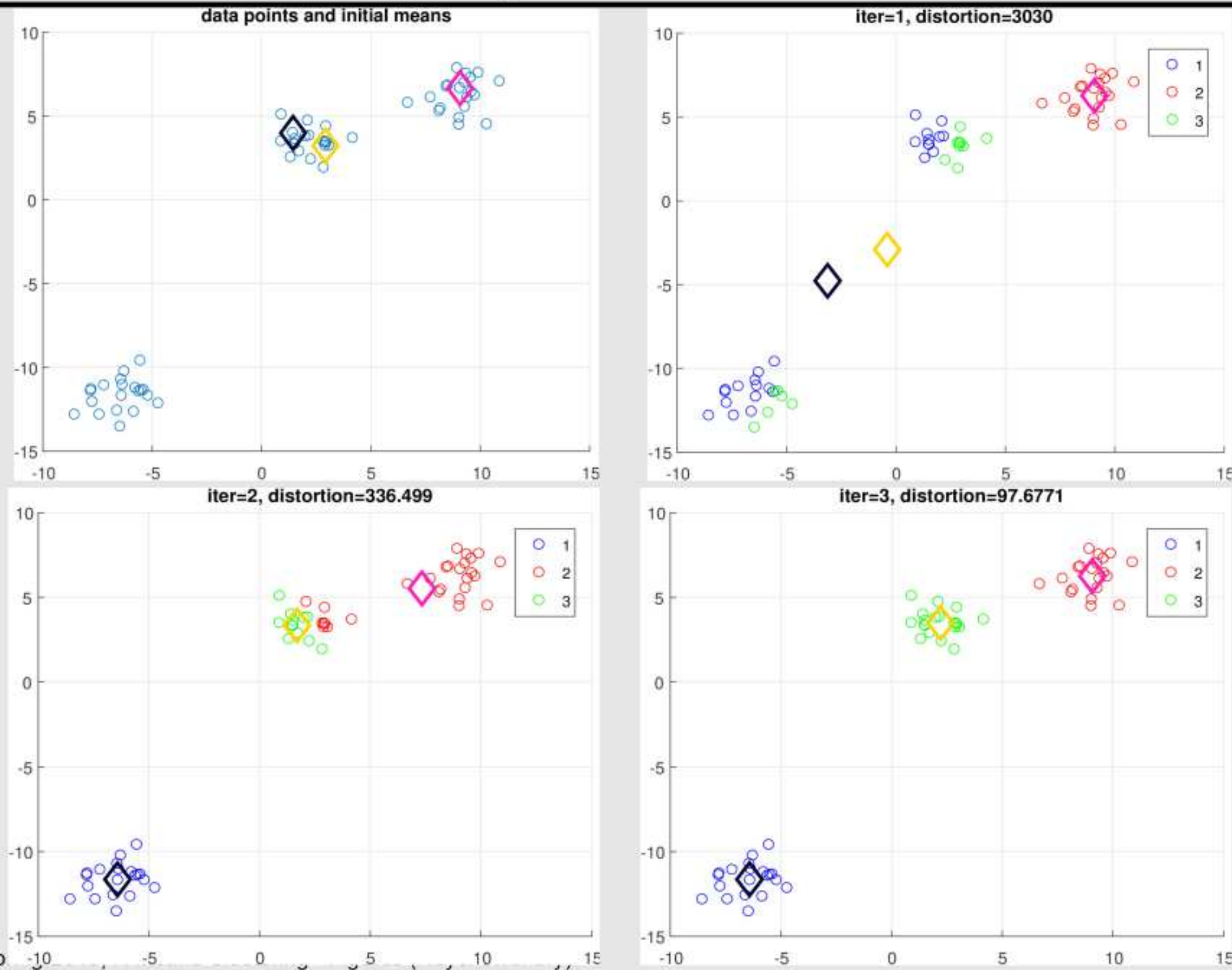
Data Analysis

K-Means Clustering (Figures)

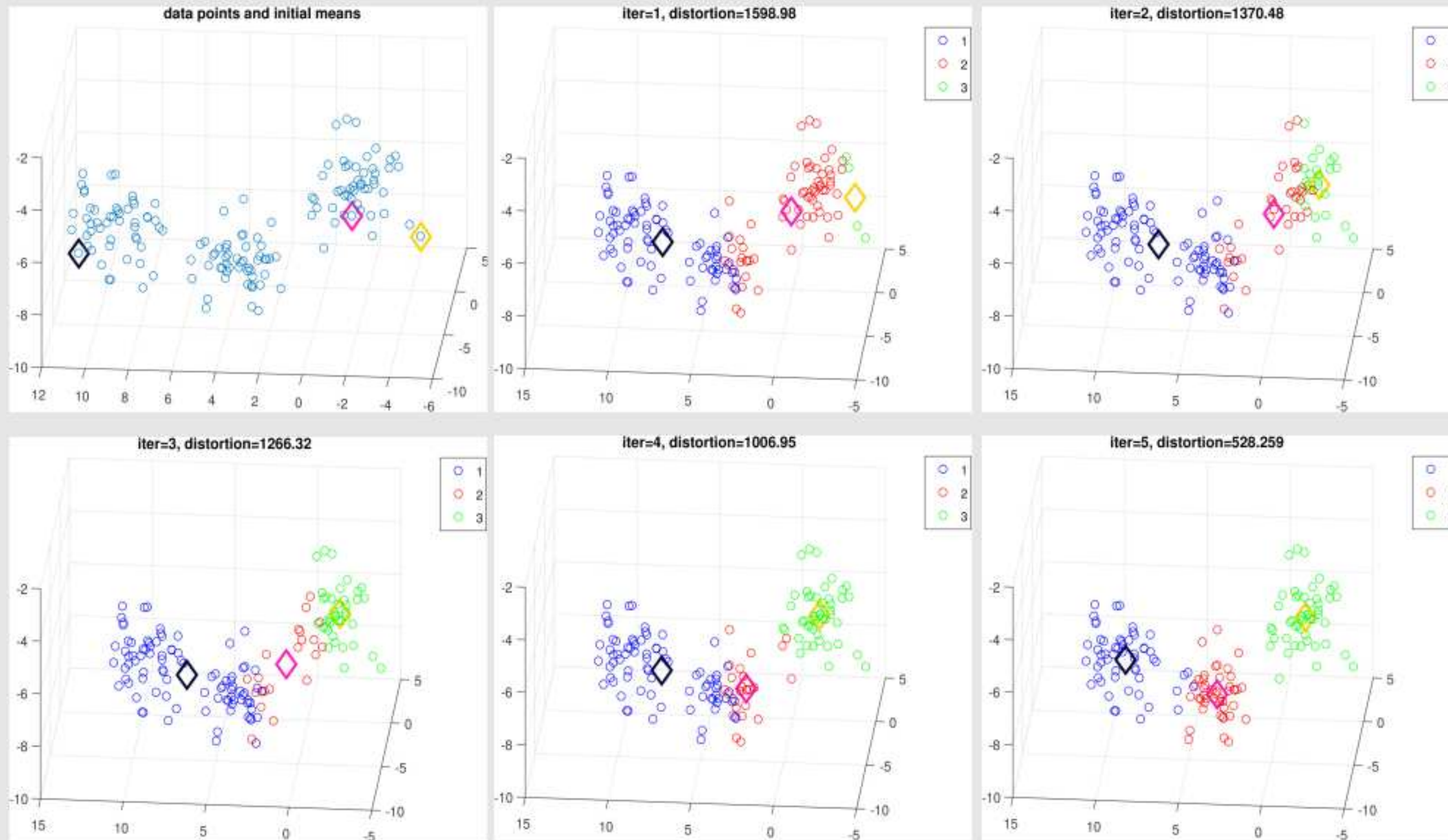
Movie Rating Clusters



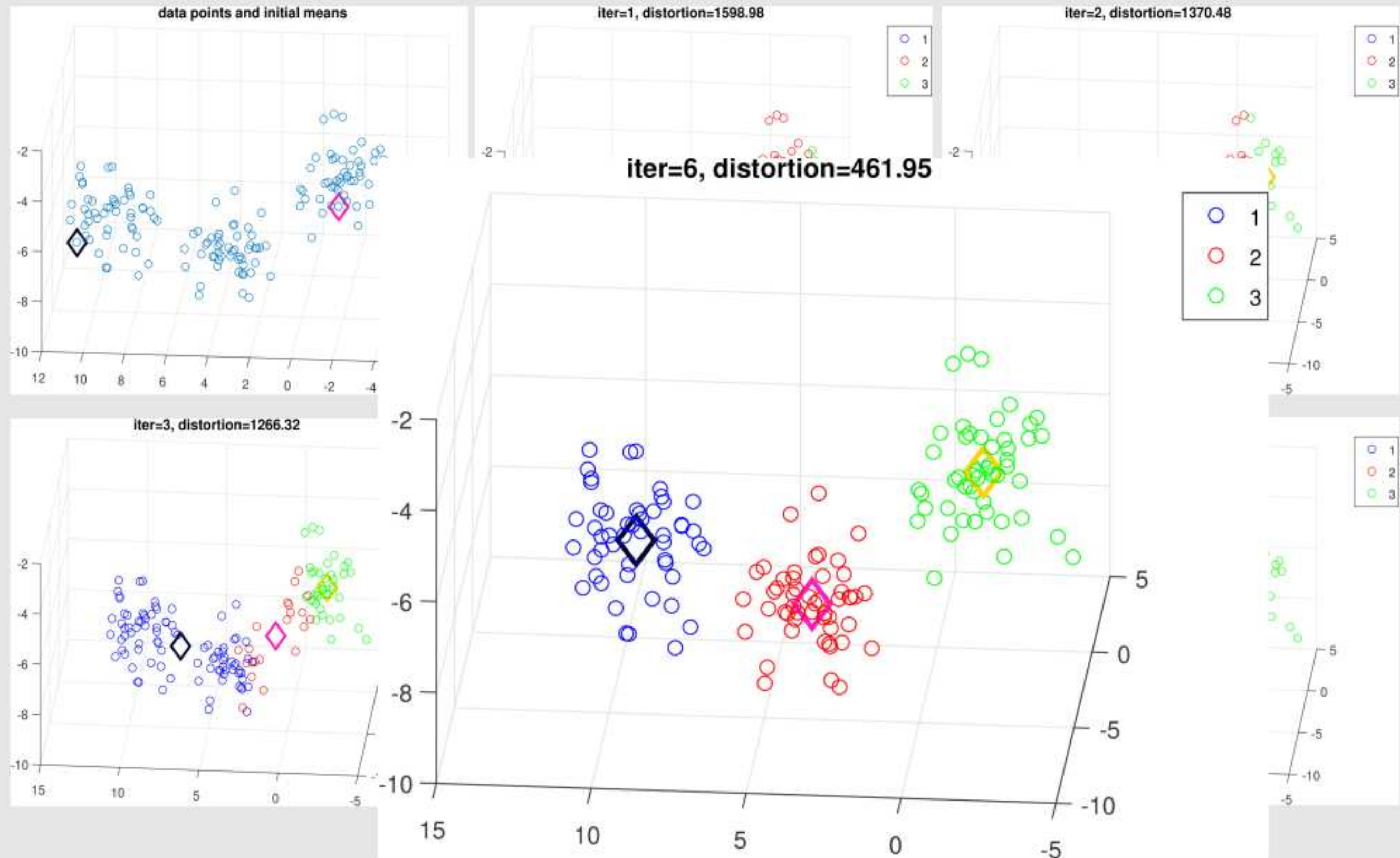
2D: 60 data points in 3 clusters



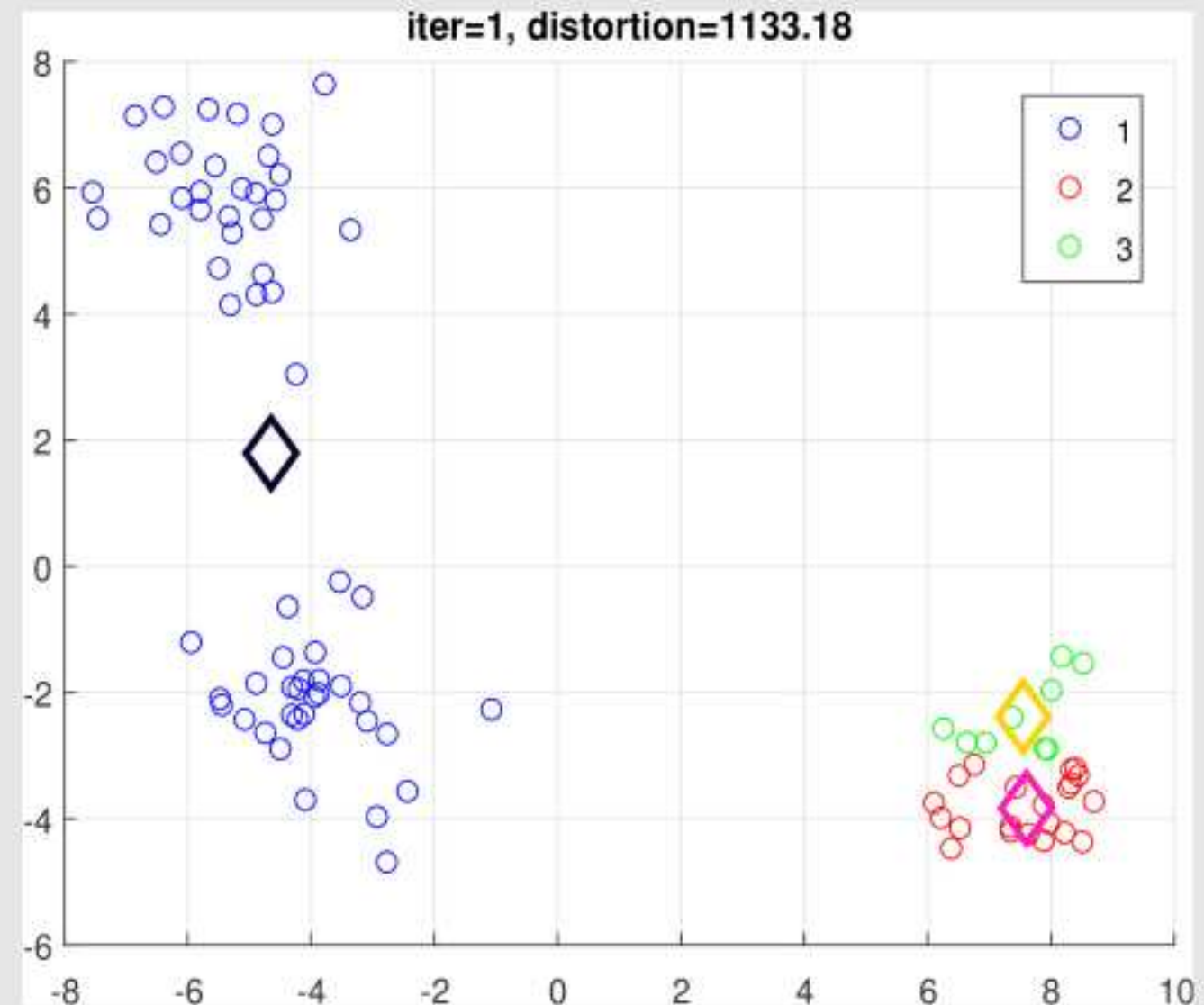
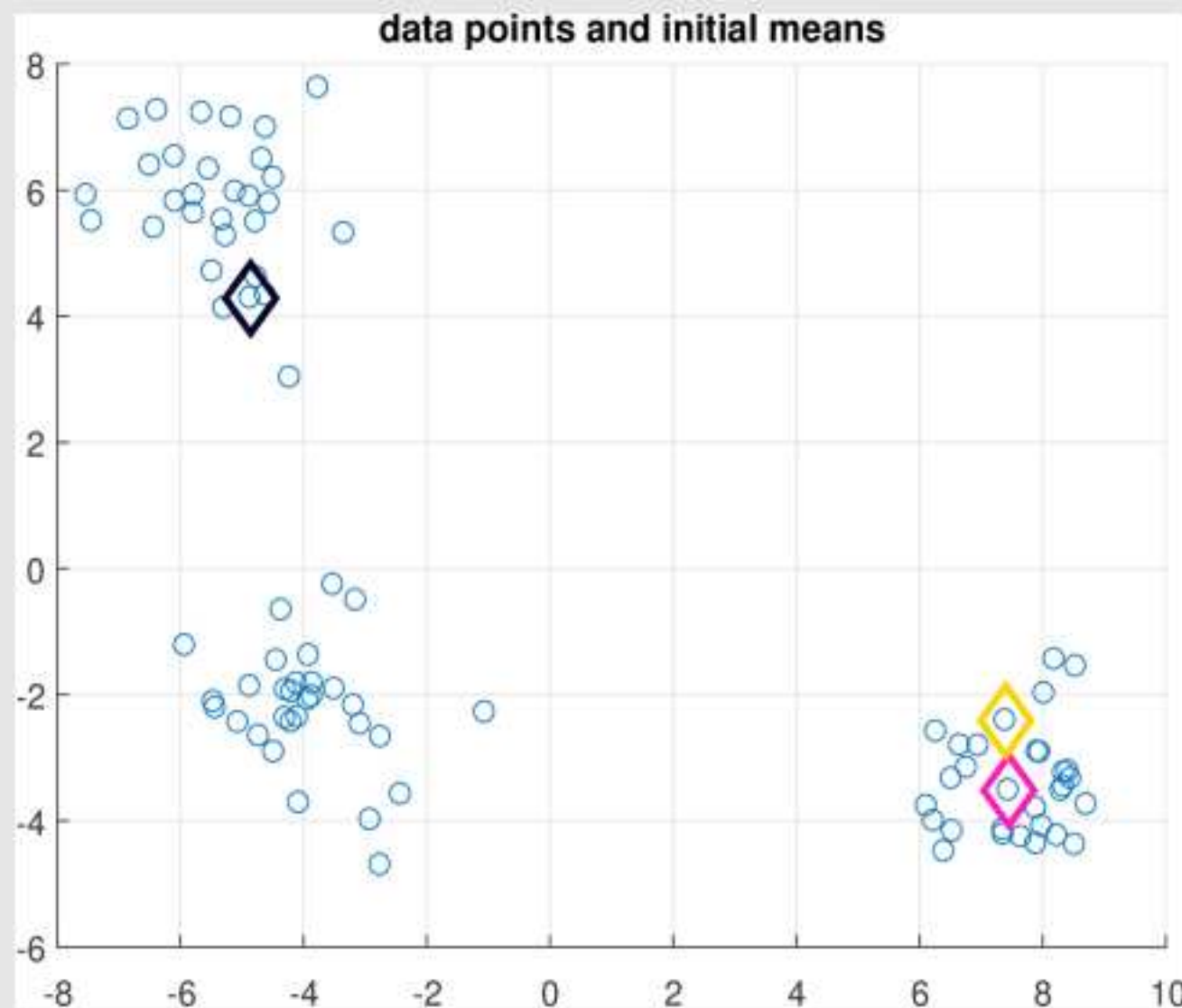
3D: 60 data points in 3 clusters



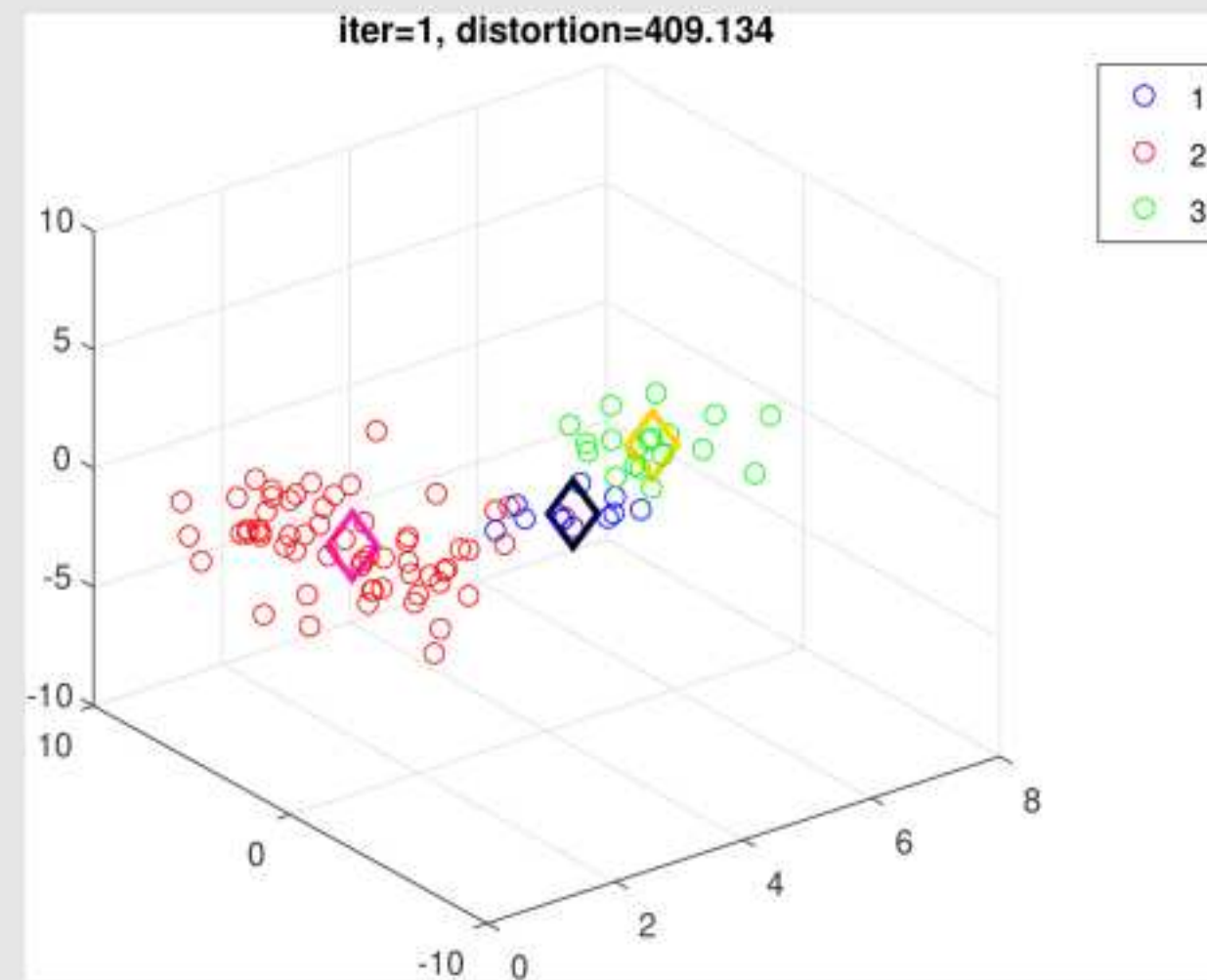
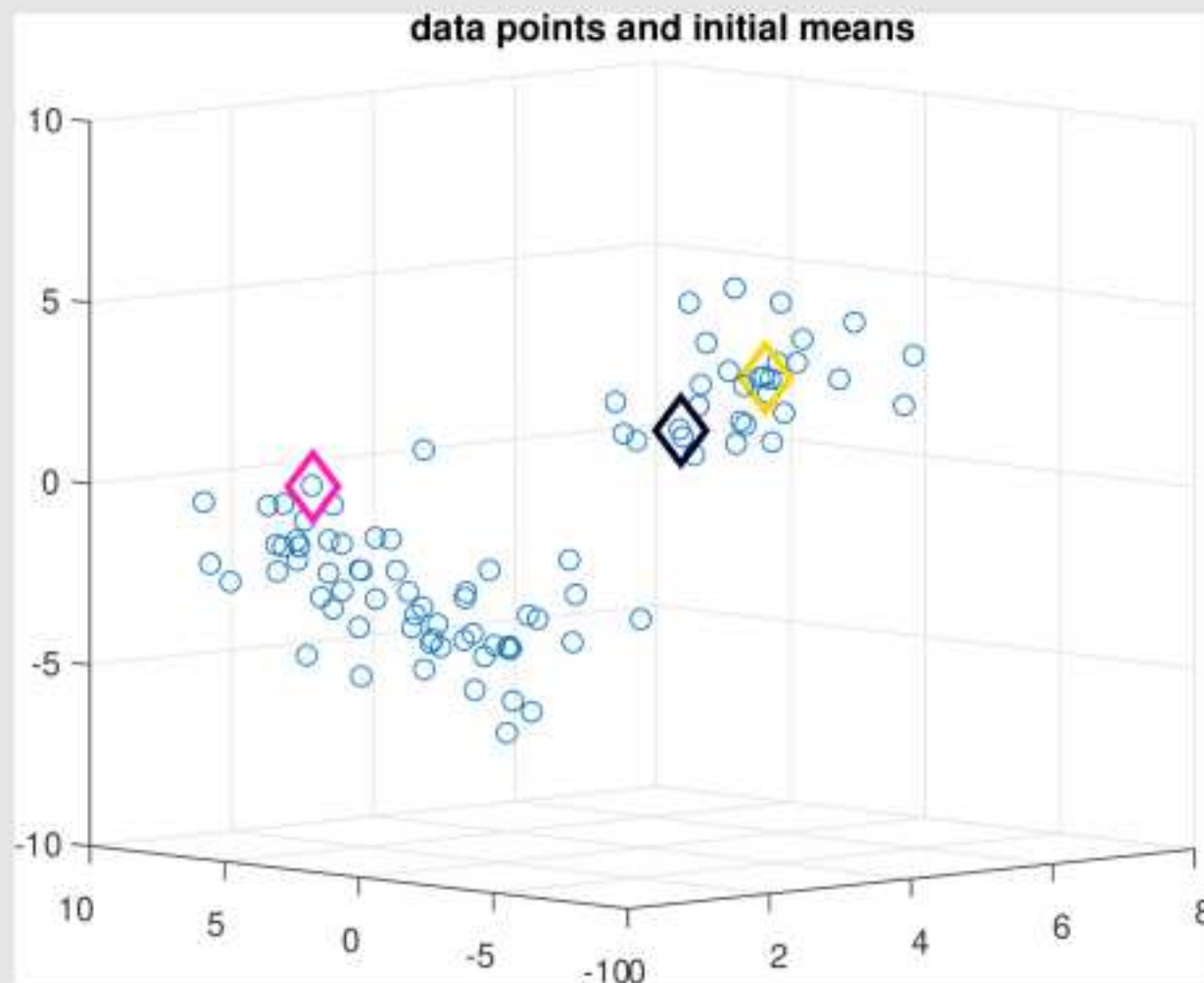
3D: 60 data points in 3 clusters



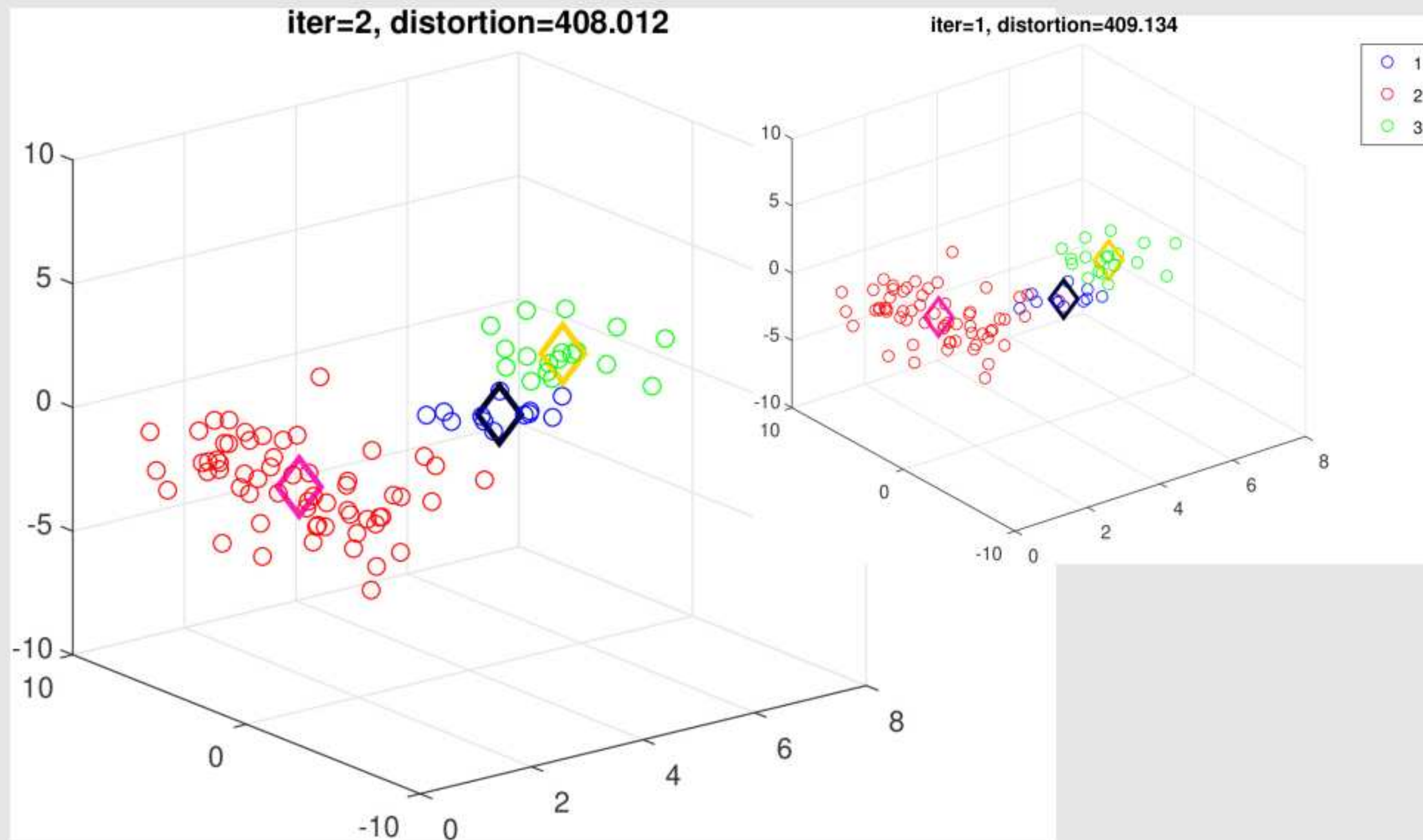
2D: another 60 data points in 3 clusters



3D: another 60 data points in 3 clusters



3D: another 60 data points in 3 clusters



Clustering for Traffic Analysis

- Management of intersections with multi-modal high-resolution data
 - A. Muralidharan, S. Coogan, C. Flores, P. Varaiya
 - Transportation Research Part C: Emerging Technologies, July 2016

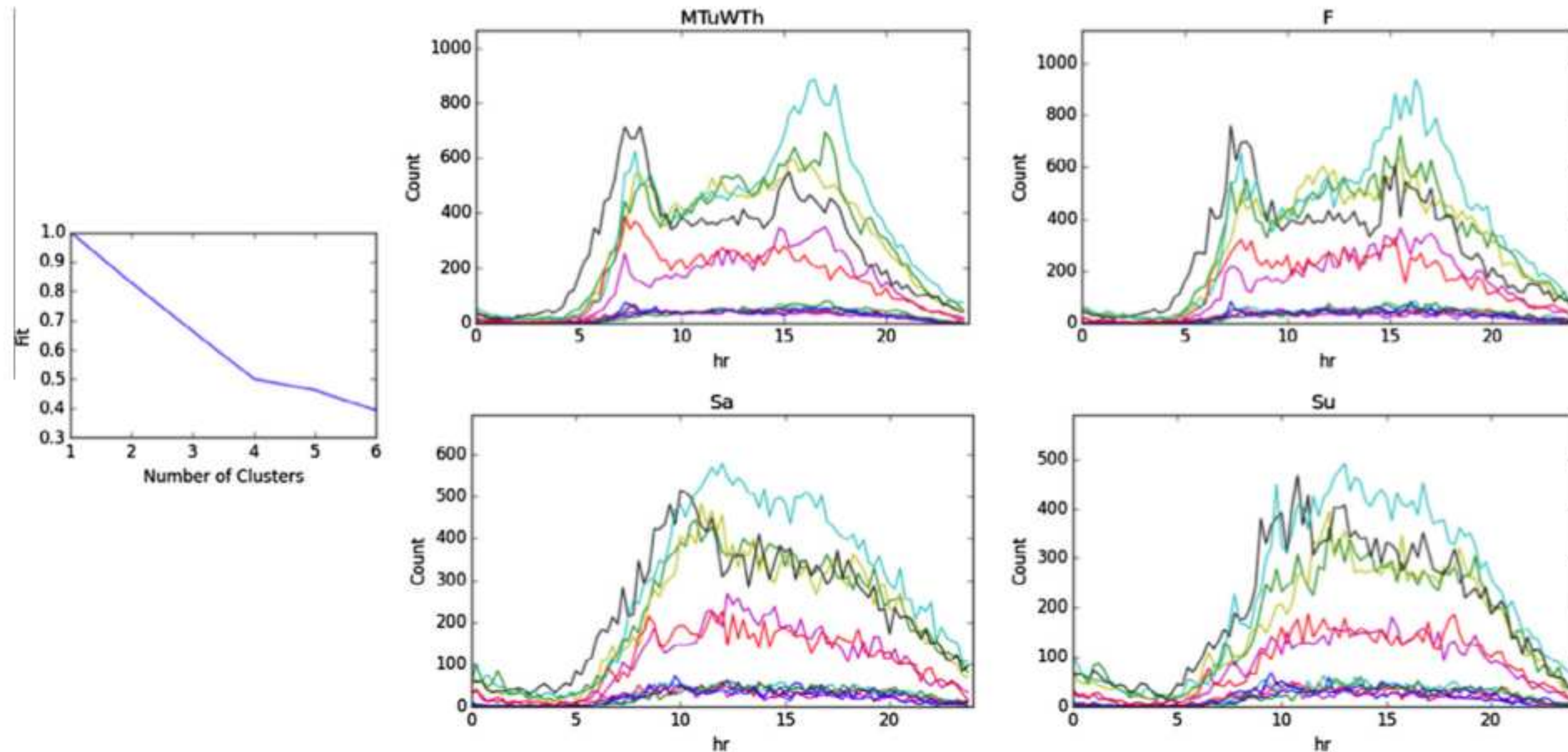


Fig. 5. Clustering of daily data for Dec 2014 to May 2015 in an intersection in Beaufort, SC.