14D007 - Data Visualization - Problemset 3

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Exercise 1

The plot shows the pricnipal components for the wine data set with corresponding ellipses (darker colors indicate higher quality). The data are strongly overlapping. However, It seems that the quality is related to alcohol suggesting that a higher level of alcohol corresponds to higher quality. The opposite is true for sulfur related variables (total and free sulfur), indicating that lower quality is related to increasing levels of sulfur. The other variables seem not to be clearly realted to the level of quality.