Gaussian Mixture Algorithm Description and Result

Firstly, I made up the csv list which includes Beverages, Serving Size(ml) , Calories, and Sold Per Day categories (AlcoholicBeveragesAnalysis.csv) to analyze it with Gaussian Mixture. I had to learn the model to be familiar with concepts. Then, I searched Gaussian Mixture library in Scikit. I tried to understand how I m going to use of the library. I used some methods to select the number of components in a classical Gaussian Model. I worked on estimation algorithm Expectation-maximation. I tried to understand what silhouette score is and how I m going to use it. I implemented my python project file couple of times to get better solution. Somehow, I could not get expected solution that my python code was not working well. I believe I need to learn much more things about Gaussian Mixture and its concept. I attached the python project file as “GaussianMixtureApproach” in the assignment file.

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