**File Name: starbucks.xls**

**Adopted from : https://globalassets.starbucks.com/**

**Data Set Information:**

This data set contains details of Starbucks beverages.

**Attribute Information:**

|  |  |
| --- | --- |
| Beverage\_category | Category |
| Beverage | Name |
| Beverage\_prep | Prep Type |
| Calories | Calories per serving |
| Total Fat (g) | Grams of fat |
| Trans Fat (g) | Grams of trans fat |
| Saturated Fat (g) | Grams of saturated fat |
| Sodium (mg) | Milligrams of sodium |
| Total Carbohydrates (g) | Grams of complex carbohydrates |
| Cholesterol (mg) | Milligrams of cholestrol |
| Dietary Fibre (g) | Grams of dietary fiber |
| Sugars (g) | Grams of sugars |
| Protein (g) | Grams of protein |

Based on FDA / Government policy, Starbucks has to include dietary information on all its products. It also has to provide information to discerning customers who look for specific nutrients.

Use clustering to profile the beverages.

1. How many clusters are there in the data?
2. Describe the characteristics of the clusters you identified.
3. Grade the clusters based on how healthy they are.