**BAN 200 ZBB Assignment 3 (120806211)**

The goal of this assignment is to apply text parsing and filtering in real context. To do so do the following:

1. Go to the dataset: <https://www.kaggle.com/snap/amazon-fine-food-reviews/downloads/amazon-fine-food-reviews.zip/2>

(You may need to register to Kaggle.com to download the dataset)

1. Import the data file to SAS enterprise miner

Graphical user interface, application, Word

Description automatically generated

1. Apply text parsing and filtering on the dataset.

Graphical user interface, text, application

Description automatically generated

1. Take screen captures of the outcome of your graphs and findings

Text Parsing:

Graphical user interface, application

Description automatically generated

Text Filtering:

Graphical user interface, application

Description automatically generated

1. Identify synonyms in your data and combine them together using interactive text explorer

Good and Great

Big and Huge

Hard and Solid

Suggest and Recommend

Graphical user interface, application

Description automatically generated

&

1. What words/word-combinations have you combined?

Good and Great

Big and Huge

Hard and Solid

Suggest and Recommend

Taste

Excellent

Big

Large

1. Give some examples of the entities identified by the text parser

* Verb
* ADV
* Noun
* Adj
* Location
* Prop
* Noun Group

Table

Description automatically generated

1. Repeat the previous steps while disabling POS. how are your results affected?

Graphical user interface

Description automatically generated

When we disable POS Some entities will removed from Role list and some of them will appear in list which are listed below.

* Location
* Miscellaneous Proper Noun
* Noun Group
* Percent
* Person
* Time
* Company
* Organization
* Time Period
* Currency

Table

Description automatically generated