Opinion Mining: Aspect Extraction

Objective: To extract aspects from the online review of products and to

analyze the general opinion regarding the aspects (positive,

negative or neutral)

Input : Text review of a product (extracted from online or magazine)

Output : A list of aspects and the opinion about them in the review

Platform: Python3

Packages: nltk (Natural Language Toolkit), ast (Abstract Syntax Tree), re

(Regular Expression Operation)

Methodology

The general method for opinion mining involves the following steps

1. **Preprocessing** : Removal of stop words.

2. Tokenization : Formation of token of sentences / phrases

3. Classification : Classification of words according to their parts of

speech

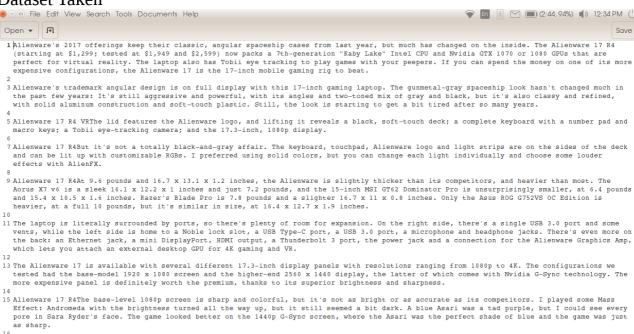
4. Aspect Extraction: Identification of Aspects in the text

5. Opinion Mining : Determination of opinion of the extracted Aspects

refering to available corpus

Example Case

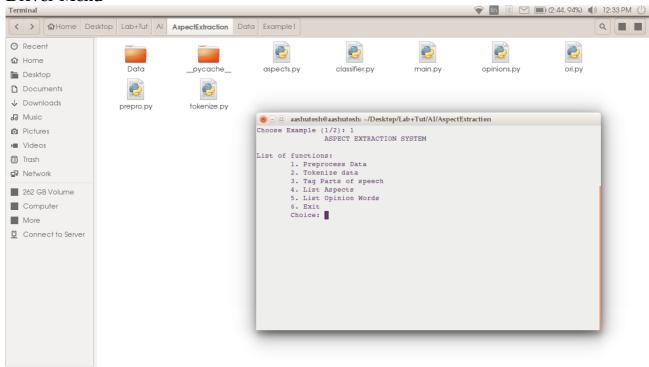
Dataset Taken



17 Turning the brightness all the way up was an important first step when I watched a 1080p trailer for the movie Gifted on the base screen. Once I got that sorted out, Octavia Spencer's bright-pink shirt popped against the brown pew she sits on while watching a custody trial, and Chris Evans

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Driver Menu



Final Output

