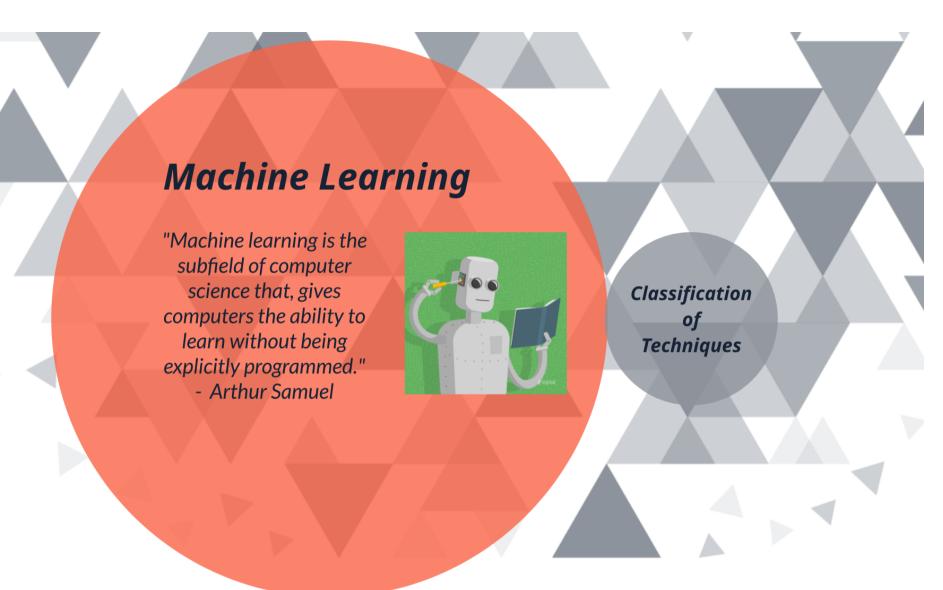


Aspect Based Sentiment Analysis on Consumer Reviews

Under the guidance of: **Dr. C Venugopal Chari.**

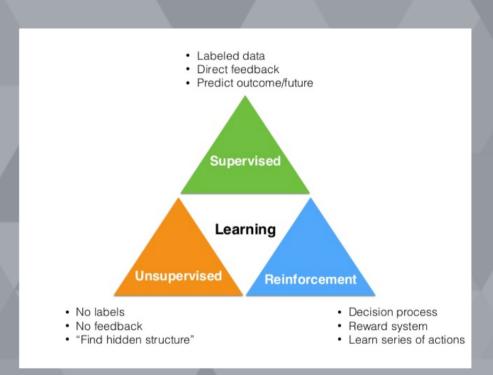
By: P Jitendra Kalyan - 160114733096 R Pranith Kumar - 160114733106

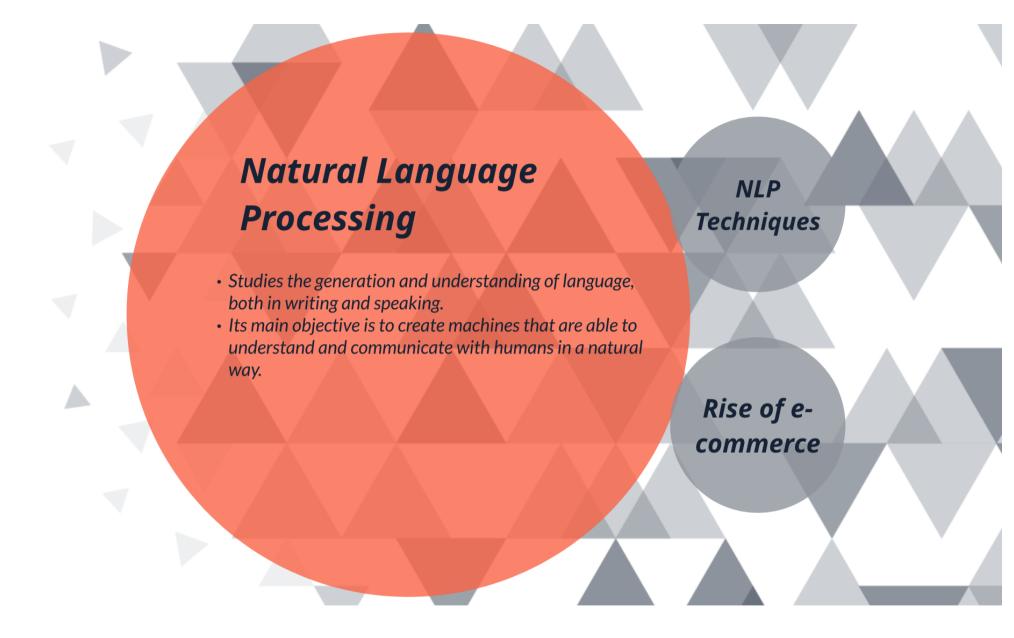




Classification of Techniques

- Supervised Learning
- Unsupervised Learning
- Reinforced Learning





NLP Techniques

- Text categorization
- Speech analysis
- Text Summerization
- Sentiment Analysis







"Sentiment analysis is critical because helps you see what customers like and dislike about you and your brand"

"It is a way to evaluate written or spoken language to determine if the expression is favorable, unfavorable, or neutral, and to what degree" How is it done?



Natural Language Processing



Knowledge Representation



Automated Reasoning



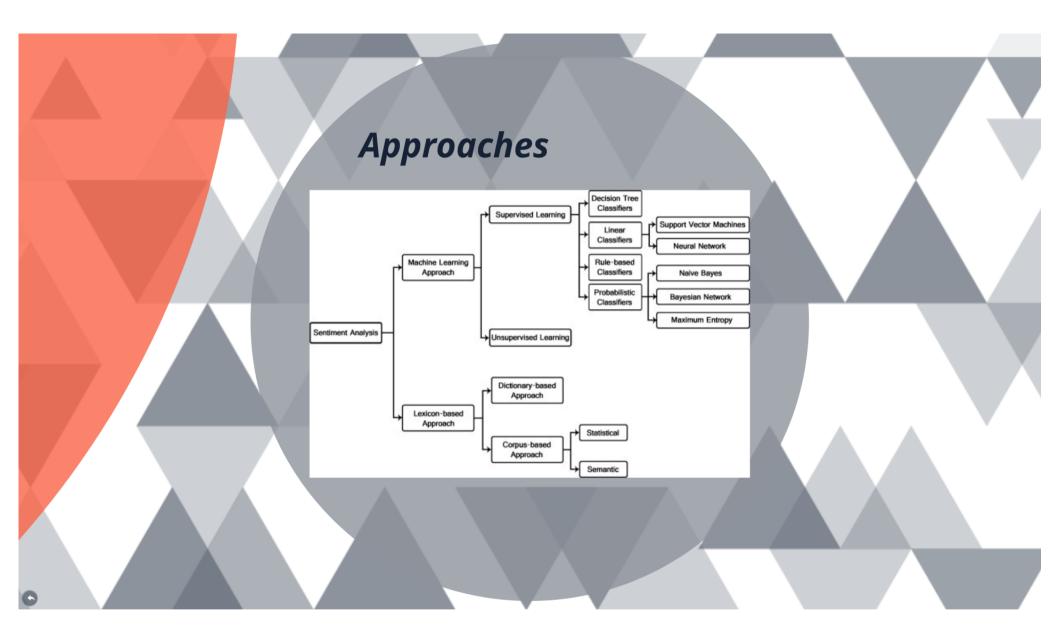
Machine Learning **Approaches**

How is it done?

Some popular techniques

- Naive Bayes Theorem
- Negation dealing with bigrams
- n-grams
- Word Cluster

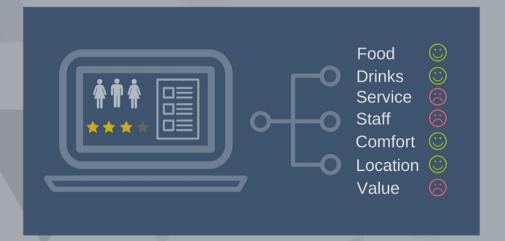






A simple Visualization

- Entity
- Attribute
- Entity Attribute pairs





REFERENCES

- SemEval paper 2015 (base paper)
- AnalyticsVidhya.com