**Recommendation System: Gaming**

**Team ID: 27**

**Project group : Jasneet Kohli**

**Vasuda Trehan**

**David Ericksen**

1.Modules installed:

* **Orange**
* **Operator**
* **Logistic Regression**
* **SVM**
* **Cross Validation**
* **Grid Search CV**
* **Blocking Scheduler**
* **Tweepy**
* **Sys**
* **JSON**

1. How to run a code:

* Under tweets folder,Obtain data using **twitter\_data\_getter.py**
* Manually cleaning and filtering of data and training some data.
* Gathering unique data by using **uniquedatagetter.py**
* Under SVM folder,Implementing **svm.py** to train the rest of the data and then using the trained data, finding model accuracy and then finding top ten words said to be most frequent played games or popular games.
* Now open clustering Folder and implement **k\_means\_q2.py** to generate clusters for word cloud
* Implement **Association.py** to get recommendation

**3.** File and Folder Descriptions:

* The untitled1 folder contains files as follows: -
  + Clustering Folder-
    - Cluster.py- **to form clusters**
    - cluster-0.txt to cluster-1.txt – **cluster tweets from 0 to 9.**
    - uniquedata.txt – **unique twitter data.**
  + Association Folder:
* Association.py- **to give recommendation**
* data.basket- **automatically created by association.py**
* **SVM folder:**
  + - SVM.py- **perform SVM**
    - Raw\_data\_unique.txt- **UniqueTwitter data**
    - Labeled\_tweets.txt- **Manually analyzed tweets**
    - Unlabeled\_tweets.txt- **Testing Tweets**
    - Predicted\_tweets.txt- **automatically created by SVM.py**
* **Tweets Folder:**
  + - * output.txt- **Raw tweets collected fromTwitter**.
      * Raw\_data\_unique.txt- **Unique** **Twitter data**
      * Uniquedatagetter.py – **gives the unique data**.
      * Twitter\_file – **fetch the data (raw tweets)**