

Spark Version: 2.2.1
Python Version: 2.7.15

Task1:

Betweenness for graph

1. Go to command prompt on Windows OS.
2. In command line change directory to where spark is installed and then run command-

"bin\spark-submit Snehal_Shirgure_Betweenness.py <ratings file>"

And hit enter

3. Output saved to –

Snehal_Shirgure_Betweenness.txt

in ascending order of tuples and their edge betweenness.

Task2:

Community Detection for graph using Modularity

1. Go to command prompt on Windows OS.
2. In command line change directory to where spark is installed and then run command-

"bin\spark-submit Snehal_Shirgure_Community.py <ratings file>"

And hit enter

3. Output saved to –

Snehal_Shirgure_Community.txt

in ascending order of communities and their members.

Bonus:

1. Go to command prompt on Windows OS.
2. In command line change directory to where spark is installed and then run command-

"bin\spark-submit Snehal_Shirgure_Bonus.py <ratings file>"

And hit enter

3. Output saved to –

Snehal_Shirgure_Bonus.txt