# MMDS Assignment 1

# Map Reduce

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19I-2014 CS-A

### Part A:

• User with largest circle: User 107

• Largest circle: circle 6

• Circle size: 308

### Part B:

• Most Similar User: User 1684

• Most similar user circle: Circle 8

• Intersection size: 8

# Sample Reduce Outputs are below:

hadoopuser@ubun2004:-\$ hdfs dfs -cat /Assignment1/Output24/part-00000
2022-10-04 16:13:54,904 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
("Largest Circle and it's size: ", 'hdfs://localhost:9000/Input/facebook/107.circles', 'circle6', 308) ('Most similar User and their circle', 'hdfs://localhost:9000/Input/facebook/1684.circles', 'circle8')
Abdoonuser@ubun2004.54 S

Cleaned Output

```
## WRONG REDUCE-0

File Input Format Counters

Bytes Read=20971

File Output Format Counters

Bytes Written=3456

2022-10-04 16:04:28.597 INF0 streaming.StreamJob: Output directory: /Assignmentl/Output23

**Madoputer@bun2041-5** hdfs dfs -cat /Assignmentl/Output23/part-00000

2022-10-04 16:09:115.837 INF0 sast.SasiplatafransferClient: SAS. encryption trust check: localHostTrusted = false, remoteHostTrusted = false

{'fileName': 'hdfs://localhost/9000/Input/facebook/107.circles', 'circleID': 'circle6', 'circle5ize': 308, 'circle': '\s26', '1539', 1579', '1642', '1582', '1317', '1585', '1736', '1584', '1603', '1572', '946', '1553', '1191', '1666', 'circle5ize': 308, 'circle': '\s26', '1539', '1594', '1881', '1539', '1544', '1288', '1484', '1288', '1484', '1288', '1481', '1109', '1748', '1598', '1594', '1881', '1539', '1644', '1886', '1819', '1819', '1581', '1198', '1481', '1539', '1644', '1886', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1819', '1
```

Raw Output