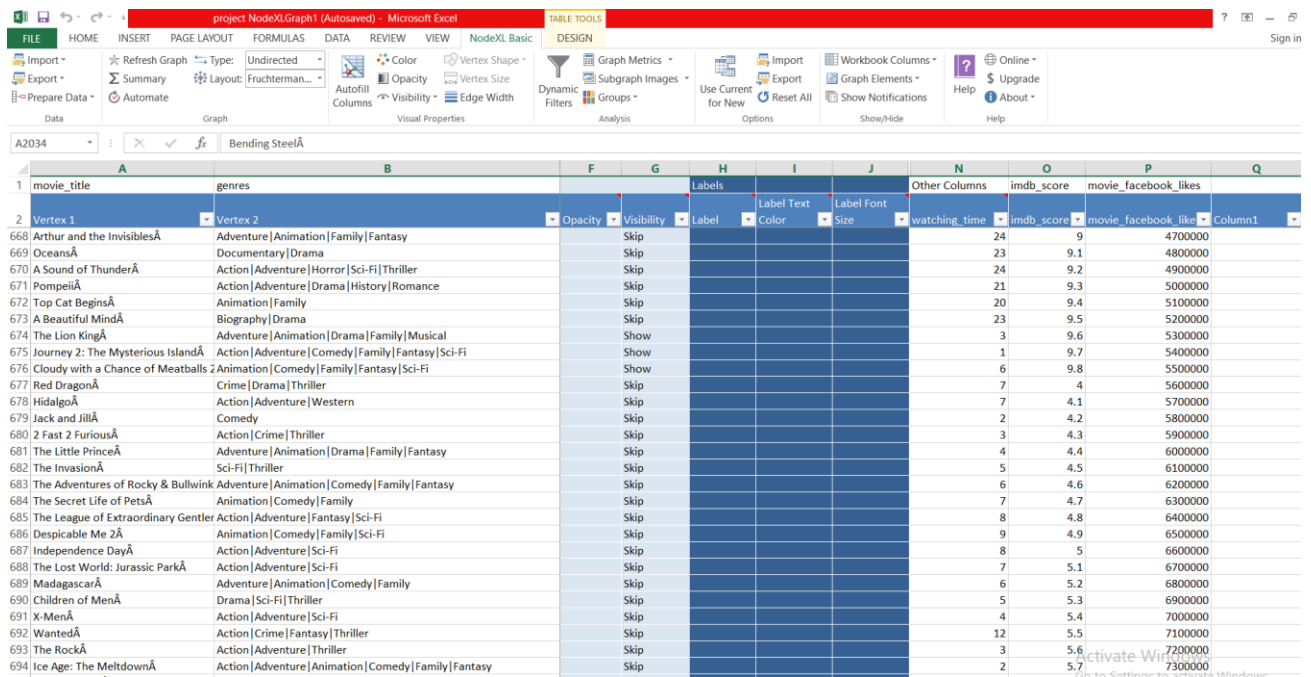# Community Detection in Netflix Dataset to Model Recommendation Engine

Team Members:-

SHILPA REJI   -   20MAI1010

ALINA MARY SABU   -   20MAI1022

OUTPUT SCREENSHOT

Screenshot 1 — NodeXL Basic (Groups worksheet)

Visual Properties / Labels

Group	Vertex Color	Vertex Shape	Visibility	Collapsed?	Label
G1	0, 12, 96	Disk			
G2	0, 136, 227	Disk			
G3	0, 100, 50	Disk			
G4	0, 176, 22	Disk			
G5	191, 0, 0	Disk			
G6	230, 120, 0	Disk			
G7	255, 191, 0	Disk			
G8	150, 200, 0	Disk			
G9	200, 0, 120	Disk			
G10	77, 0, 96	Disk			
G11	91, 0, 191	Disk			
G12	0, 98, 130	Disk			
G13	0, 12, 96	Solid Square			
G14	0, 136, 227	Solid Square			
G15	0, 100, 50	Solid Square			
G16	0, 176, 22	Solid Square			
G17	191, 0, 0	Solid Square			
G18	230, 120, 0	Solid Square			
G19	255, 191, 0	Solid Square			
G20	150, 200, 0	Solid Square			
G21	200, 0, 120	Solid Square			
G22	77, 0, 96	Solid Square			
G23	91, 0, 191	Solid Square			
G24	0, 98, 130	Solid Square			
G25	0, 12, 96	Solid Diamond			
G26	0, 136, 227	Solid Diamond			
G27	0, 100, 50	Solid Diamond			

Sheet tabs: Edges | Vertices | Groups | Group Vertices | Overall ...

Document Actions — Fruchterman-Rei · Lay Out Again · Dynamic Filters · Graph Options
Zoom: 100 Scale: 41

READY   COUNT: 24   100%

Screenshot 2 — project NodeXL.Graph1 (Autosaved)-Copy - Excel

movie_title / Labels / Layout

Vertex	Shape	Size	Opacity	Image File	Visibility	Label	Label Fill Color	Label Position	Tooltip	Dynamic F...
Avatar	Sphere	7.1				venture|Fantasy|Sci				TRUE
Pirates of the Caribbean: At World's End	Sphere	6.0				venture|Fantasy				TRUE
Spectre	Sphere	5.5				venture|Thriller				TRUE
The Dark Knight Rises	Sphere	8.0				Action|Thriller				TRUE
Star Wars: Episode VII - The Force Awakens	Sphere	6.0				Documentary				TRUE
John Carter	Sphere	5.2				venture|Sci-i-Fi				TRUE
Spider-Man 3	Sphere	4.7				venture|Romance				TRUE
Tangled	Sphere	7.0				Adventure|Animation|Comedy|Family|Fantasy				TRUE
Avengers: Age of Ultron	Sphere	6.5				Action|Adventure|Sci-Fi				TRUE
Harry Potter and the Half-Blood Prince	Sphere	6.5				Adventure|Family|Fantasy|Mystery				TRUE
Batman v Superman: Dawn of Justice	Sphere	8.6				Action|Adventure|Sci-Fi				TRUE

Sheet tabs: Edges | Vertices | Groups | Group Vertices | Overall Metrics

Document Actions — Fruchterman-Rei · Lay Out Again · Dynamic Filters

Ready   Count: 32   100%

First screenshot — Group Vertices sheet

Group	Vertex	Vertex ID
G1	Bending SteelÂ	#N/A
G1	Documentary	2089
G1	CountingÂ	#N/A
G1	The Horse BoyÂ	#N/A
G1	BurnÂ	#N/A
G2	Barney's VersionÂ	#N/A
G2	Comedy|Drama	2285
G2	Primary ColorsÂ	#N/A
G2	Funny PeopleÂ	#N/A
G3	Failure to LaunchÂ	#N/A
G3	Comedy|Romance	2212
G3	American WeddingÂ	#N/A
G3	Two Weeks NoticeÂ	#N/A
G4	TurbulenceÂ	#N/A
G4	Action|Thriller	2088
G4	UnstoppableÂ	#N/A
G4	Jason BourneÂ	#N/A
G5	The Cat in the HatÂ	#N/A
G5	Adventure|Comedy|Fa	2141
G5	Asterix at the Olympic	#N/A
G5	Charlie and the Chocol	#N/A
G6	TrappedÂ	#N/A
G6	Crime|Drama|Thriller	2253
G6	Law Abiding CitizenÂ	#N/A
G7	SicarioÂ	#N/A
G7	Action|Crime|Drama|I	2165
G7	Righteous KillÂ	#N/A
G8	Glory RoadÂ	#N/A

Second screenshot — Overall Metrics sheet

Graph Metric	Value
Graph Type	Undirected
Vertices	178
Unique Edges	98
Edges With Duplicates	2
Total Edges	100
Self-Loops	0
Reciprocated Vertex Pair Ratio	Not Applicable
Reciprocated Edge Ratio	Not Applicable
Connected Components	79
Single-Vertex Connected Components	0
Maximum Vertices in a Connected Component	5
Maximum Edges in a Connected Component	4
Maximum Geodesic Distance (Diameter)	2
Average Geodesic Distance	0.711628
Graph Density	0.006284517
Modularity	0.9747
NodeXL Version	1.0.1.418
Readability Metric	Value

Document Actions

Refresh Graph   Fruchterman-Rei   Lay Out Again   Dynamic Filters   Graph Options

Zoom: 100   Scale: 88