

Mapping South Park and Simpsons Character Similarities

The Data

Two Sets:

- South Park Dialogue
- Simpsons Dialogue

Both are broken down by character, so we go for low hanging fruit and create a character map.

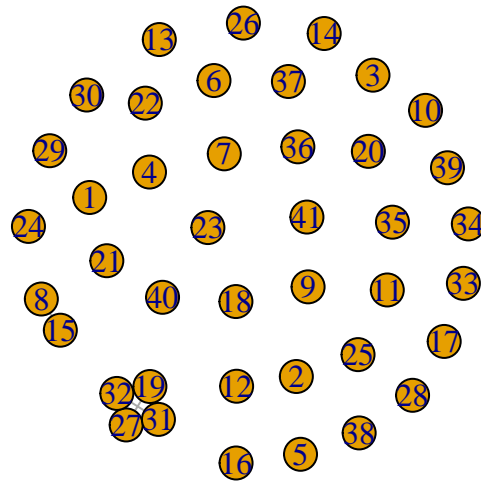
Combine and Compare

We combine the sets of cleaned data then compare the similarities of characters dialogue.

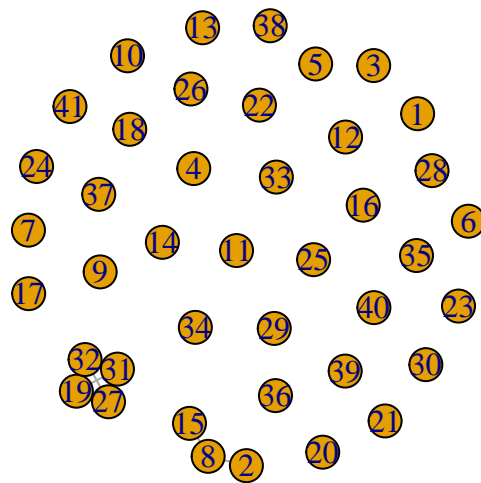
Once the dialogue is combined we can process the data similar to the way that we have previously evaluated the episodes of South Park against one another.

Map It!

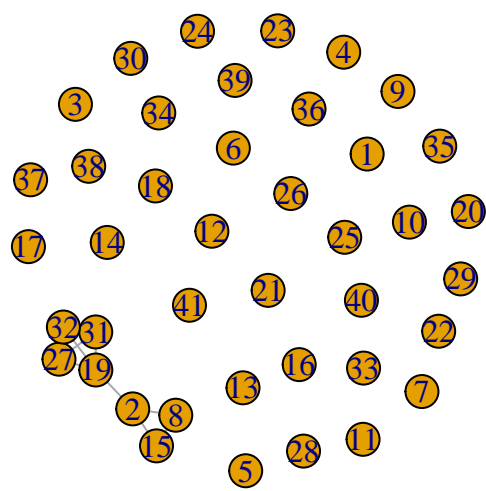
Epsilon = 0.63



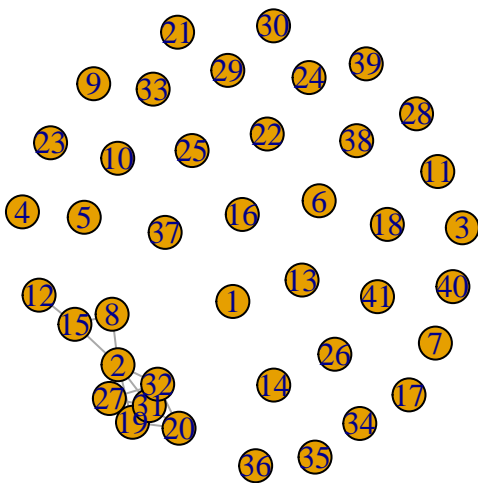
Epsilon = 0.64



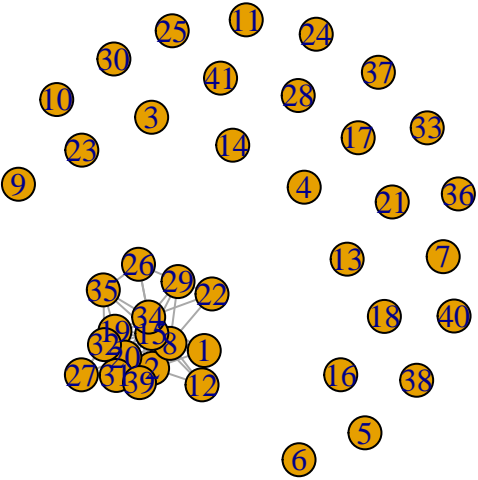
Epsilon = 0.65



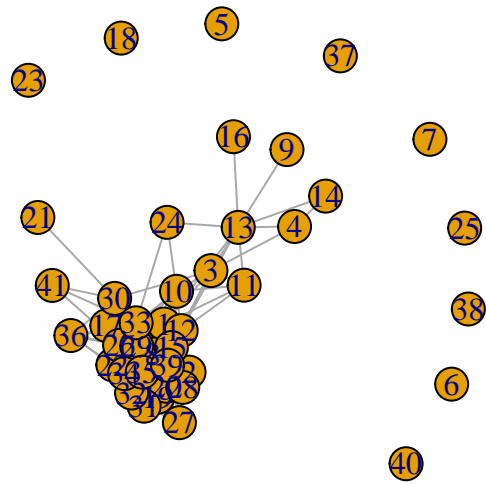
Epsilon = 0.7



Epsilon = 0.75



Epsilon = 0.8



Epsilon = 0.85

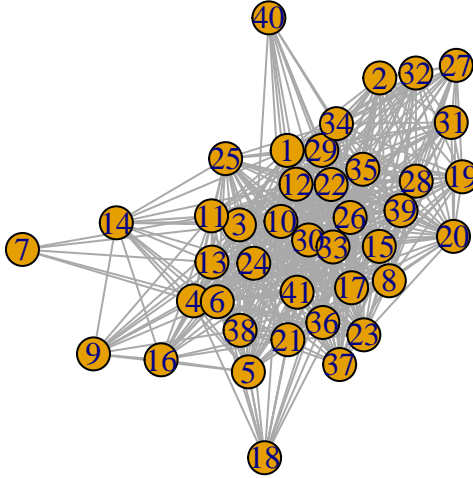


Table 1: List of Characters with their associated point numbers

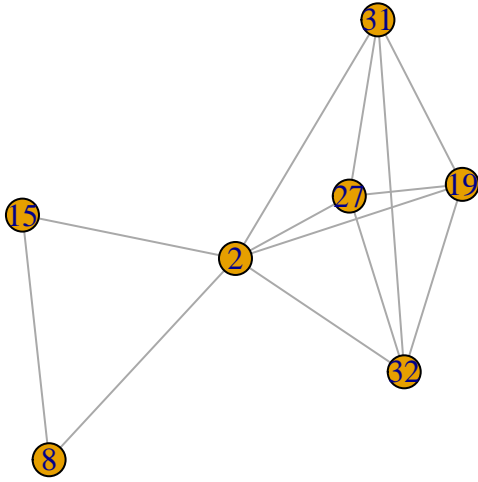
Point	Character
1	Butters
2	Cartman
3	Chef
4	Gerald
5	Jimbo
6	Jimmy
7	Kenny
8	Kyle
9	Liane
10	Mr. Garrison
11	Mr. Mackey
12	Randy
13	Sharon
14	Sheila
15	Stan
16	Wendy
17	Apu Nahasapeemapetilon
18	Barney Gumble
19	Bart Simpson
20	C. Montgomery Burns
21	Carl Carlson
22	Chief Wiggum
23	Dr. Julius Hibbert

Point	Character
24	Edna Krabappel-Flanders
25	Gary Chalmers
26	Grampa Simpson
27	Homer Simpson
28	Kent Brockman
29	Krusty the Clown
30	Lenny Leonard
31	Lisa Simpson
32	Marge Simpson
33	Milhouse Van Houten
34	Moe Szyslak
35	Ned Flanders
36	Nelson Muntz
37	Rev. Timothy Lovejoy
38	Selma Bouvier
39	Seymour Skinner
40	Sideshow Bob
41	Waylon Smithers

Analysis

We evaluate the cluster

$$\{2, 8, 15, 19, 27, 31, 32\}$$



Point	Character
2	Cartman
8	Kyle
15	Stan
19	Bart Simpson
27	Homer Simpson
31	Lisa Simpson
32	Marge Simpson

Additional Information

Distribution of Jaccard Distances between Character Lines

