

Marvelist is a program that allows you to learn about the Marvel comic universe's social network.

RUNNING THE PROGRAM

To run Marvelist on a Linux system:

Open up the terminal

Move to the Marvelist directory

Install dependencies (See Documentation)

Activate the virtual environment

source env/bin/actiate

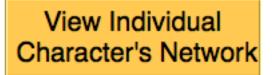
Run Marvelist.py

python marvelist.py

1. THE START SCREEN

The Start Screen allows you to chose between two tasks: A) learning about an individual character's network and B) finding the common appearances between two characters.

A. To learn about an individual character's social network, click on:



A text entry box will appear.

Character name:		
	Enter	

Type a character's name in the box. If you are unsure of the spelling, type the first few letters and the box can autocomplete the name. Use the arrow keys to scroll through the possible matches. Click Enter.

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B. To find common appearances between two characters, click on:

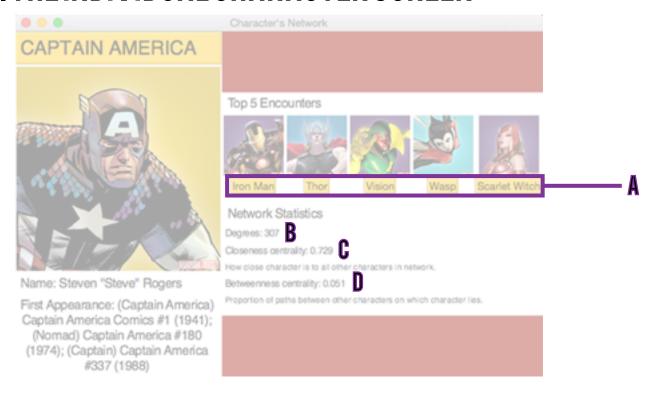
Find Common	Appearances
Between Two	Characters

Two text entry boxes will appear.

Character names:			
	Enter		

Type each character's name in a box. If you are unsure of the spelling, type the first few letters and the box can autocomplete the name. Use the arrow keys to scroll through the possible matches. Click Enter when both names are in the boxes.

2. THE INDIVIDUAL CHARACTER SCREEN



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The Individual Character Network Screen (bottom of Page 2) shows information about the **individual character**'s identity including the character's full name and first appearance. It also shows information about the character's social network. This includes the top five characters with which the character shares the most common appearances as well as some network statistics explained below.

A. TOP ENCOUNTER LINKS

To find the common appearances between the **individual character** and any of the character in the Top 5 Encounters, click on yellow button with the character's name. For example, to find the common appearances between Captain America and Iron Man, click Iron Man. This will open a new Common Appearances window.

B. DEGREES

The number of degrees refers to the total number of characters that have appeared with the **individual character** in the same comic book.

C. CLOSENESS CENTRALIT

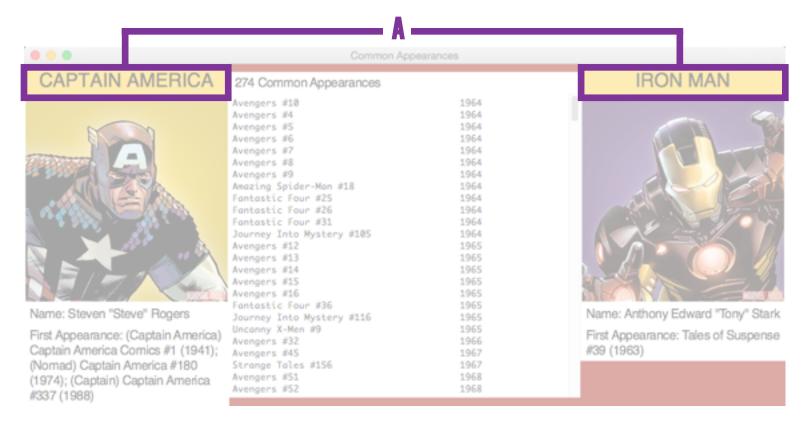
Closeness Centrality refers to the proportion of all characters in the network that have appeared in the same comic book as the **individual character**.

B. BETWEENNESS CENTRALITY

Betweenness Centrality refers to the proportion of times the **individual character** acts as a bridge along the shortest path between two other characters.

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2. THE COMMON APPEARANCES SCREEN



The Common Appearances show identity information of the two characters and lists all common appearances between them in chronological order along with the year of publication.

A.LINKS TO INDIVIDUAL CHARACTER NETWORK SCREEN

To find out more information about one of the characters' individual network, click on the yellow button containing their name. This will open up a new Individual Character Network window.