



- 1) I do not have enough friends for this assignment. I found that extracting the links to you and links to each other would take up a lot of time and space on my hard drive. I saw that two of my followers had 50 followers BeSoBen and KevinClemmons so I chose Kevin because he is a friend of mine. I used Oduprogrammer16's credential manager plus networkcreator.py to extract the data from twitter. After the parsed data was extracted I found this "<http://bl.ocks.org/d3noob/5141278>" which had a great overview of how to use d3. I ran into trouble because I was trying to use chrome but due to securities I found firefox was the better choice to run local HTML code.

source	target	value	source	target	value
bigdud82	ShaneTaylor83	1.1	blohm011	PSQRD12	1.1
mgome0072	icantsand	1.1	_MoreBoutNothin	blohm011	1.1
icantsand	mgome0072	1.1	CrownedOne_24	blohm011	1.1
SPORTTalkCaps	NoVa_Caps	1.1	JAGillespie4	blohm011	1.1
TyGuyness	NoVa_Caps	1.1	PSQRD12	blohm011	1.1

NoVa_Caps	TyGuyness	1.1	capitals_fanly	KevinClemmons	1.1
BADBIOTCH4YOU	GurganusBrandon	1.1	itagabriela850	KevinClemmons	1.1
ShaneTaylor83	bigdud82	1.1	ShaneTaylor83	KevinClemmons	1.1
liverMan16	onewhohuntsoup	1.1	prpl_n_pancakes	KevinClemmons	1.1
rciii1996	onewhohuntsoup	1.1	icantsand	KevinClemmons	1.1
onewhohuntsoup	liverMan16	1.1	mgome0072	KevinClemmons	1.1
rciii1996	liverMan16	1.1	SPORTalkCaps	KevinClemmons	1.1
ThePDCommunity	WimberleyAPA	1.1	pdavey244	KevinClemmons	1.1
BADBIOTCH4YOU	joshhkidd	1.1	NoVa_Caps	KevinClemmons	1.1
BADBIOTCH4YOU	BrockwellEllen	1.1	tweetbombdotcom	KevinClemmons	1.1
CrownedOne_24	_MoreBoutNother	1.1	wedoyouraccount	KevinClemmons	1.1
PSQRD12	_MoreBoutNother	1.1	AliShamim333	KevinClemmons	1.1
blohm011	_MoreBoutNother	1.1	TyGuyness	KevinClemmons	1.1
WimberleyAPA	ThePDCommunity	1.1	GurganusBrandon	KevinClemmons	1.1
GurganusBrandon	BADBIOTCH4YOU	1.1	NikosFotisRnR	KevinClemmons	1.1
bigdud82	BADBIOTCH4YOU	1.1	jazznazihitler	KevinClemmons	1.1
joshhkidd	BADBIOTCH	1.1	bigdud82	KevinClemmons	1.1

	4YOU			ons	
BrockwellEllen	BADBIOTCH 4YOU	1.1	onewhohunts soup	KevinClemm ons	1.1
D_physique	RodneySucc ess	1.1	NoahRenn	KevinClemm ons	1.1
GonzoOfficial TV	RodneySucc ess	1.1	tonette_f7b	KevinClemm ons	1.1
BrockwellEllen	MarioPalush	1.1	liverMan16	KevinClemm ons	1.1
GonzoOfficial TV	MarioPalush	1.1	Mc_G_TV	KevinClemm ons	1.1
AmBeRLiNa93	amber_992	1.1	WimberleyAP A	KevinClemm ons	1.1
RodneySucc ess	D_physique	1.1	joshhkidd	KevinClemm ons	1.1
GonzoOfficial TV	D_physique	1.1	BrockwellEllen	KevinClemm ons	1.1
GurganusBra ndon	LHatcher94	1.1	StRaphael4	KevinClemm ons	1.1
onewhohunts soup	LHatcher94	1.1	_MoreBoutN othin	KevinClemm ons	1.1
joshhkidd	LHatcher94	1.1	farmc3	KevinClemm ons	1.1
BADBIOTCH 4YOU	LHatcher94	1.1	Eucharistia_	KevinClemm ons	1.1
amber_992	LHatcher94	1.1	ThePDComm unity	KevinClemm ons	1.1
onewhohunts soup	rciii1996	1.1	BADBIOTCH 4YOU	KevinClemm ons	1.1
liverMan16	rciii1996	1.1	RodneySucc ess	KevinClemm ons	1.1
_MoreBoutN othin	CrownedOne _24	1.1	MarioPalush	KevinClemm ons	1.1

PSQRD12	CrownedOne_24	1.1	IKMTeckChek	KevinClemmons	1.1
blohm011	CrownedOne_24	1.1	AmBeRLiNa93	KevinClemmons	1.1
JAGillespie4	JPlu9	1.1	bea_utyTips	KevinClemmons	1.1
PSQRD12	JPlu9	1.1	treyushithead15	KevinClemmons	1.1
CrownedOne_24	JAGillespie4	1.1	amber_992	KevinClemmons	1.1
JPlu9	JAGillespie4	1.1	D_physique	KevinClemmons	1.1
blohm011	JAGillespie4	1.1	GonzoOfficialTV	KevinClemmons	1.1
_MoreBoutN othin	PSQRD12	1.1	DobieHouson	KevinClemmons	1.1
Gjonathans	PSQRD12	1.1	OllyTweetz	KevinClemmons	1.1
CrownedOne_24	PSQRD12	1.1	LHatcher94	KevinClemmons	1.1
JPlu9	PSQRD12	1.1	Gjonathans	KevinClemmons	1.1
			LadyGaaaaa ga	KevinClemmons	1.1
			gilman_gal	KevinClemmons	1.1
			WarrenLoveL ife	KevinClemmons	1.1
			FatherJay	KevinClemmons	1.1
			rciii1996	KevinClemmons	1.1
			CrownedOne	KevinClemm	1.1

2) For part two I used I used genders.py to find their twitter first name. The program then used its library to compare the first name to their registrar. The program would determine based off the first name and ignoring any other name if the user was male or female. In the case of undeterminable names the data was discarded. Below is the table that examines the gender or non gender of each account. I then utalized your link genderize.io to find out the homophiability of each link.

Accounts with genders and connections also extracts their first name

JPlu9	& Jared Pluciniczak	& male	\\ \hline
StRaphael4	& St Raphael	& male	\\ \hline
joshhkidd	& Joshua Reynolds	& male	\\ \hline
D_physique	& Dynasty For Life Rec	& female	\\ \hline
bea_utyTips	& Beauty Tips	& female	\\ \hline
JAGillespie4	& Justin Gillespie	& male	\\ \hline
Gjonathans	& Jonathan Gustafsson	& male	\\ \hline
MarioPalush	& MARIO	& male	\\ \hline
LadyGaaaaaga	& Lady Gaga	& female	\\ \hline
GurganusBrandon	& Brandon Gurganus	& male	\\ \hline
amber_992	& Amber Schakel	& female	\\ \hline
KevinClemmons	& Kevin Clemmons	& male	\\ \hline
NoahRenn	& Noah Renn	& male	\\ \hline
rciii1996	& Robert RCIII Croson	& male	\\ \hline
CrownedOne_24	& Steven	& male	\\ \hline
itagabriela850	& gabriela	& female	\\ \hline
treyushithead15	& trey peters	& male	\\ \hline
bigdud82	& Mike Dudley	& male	\\ \hline
RodneySuccess	& Rodney Pickett II	& male	\\ \hline
ThePDCommunity	& Kevin McCarthy	& male	\\ \hline
PSQRD12	& Paul Porter	& male	\\ \hline
AliShamim333	& Shamim	& female	\\ \hline
LHatcher94	& luke	& male	\\ \hline
liverMan16	& Eric Liverman	& male	\\ \hline
AmBeRLiNa93	& Amber Schakel	& female	\\ \hline
WarrenLoveLife	& Warren Happy	& male	\\ \hline
prpl_n_pancakes	& Daniel Pancake	& male	\\ \hline
BrockwellEllen	& Ellen brockwell	& female	\\ \hline
DobieHouson	& dobie houson	& male	\\ \hline

Homophily Test

1:1 female

32:32 male

12:12 female to male

45 total edges

M: Number of edges male to male = $32/45 = 0.711$

Total edges

F: Number of edges female to female = $1/45 = 0.022...$

Total edges

G: (Number of edges female to male or male to female) = $12/45 = 0.266...$

Total edges

If $G < (2 * M * F)$

$0.266 < 0.0316$

