AI Experts on Twitter

Jia Hui

Stalk AI Experts on Twitter

By Jiahui

Follow posts from AI experts to track developments in the field

- Scrape Twitter website using API (with an initial list of experts)
- Process data using Pandas
- Insights
  - Expand upon list of experts based on references made in posts
  - Spot reliable info sources based on links in posts
  - Highlight key developments

Type: DATA

Step 1: Start with a short list of experts

Name	TwitterName	URL
Andrew Y Ng	@AndrewYNg	https://twitter.com/AndrewYNg
Yann Lecun	@ylecun	https://twitter.com/ylecun
Li Fei Fei	@drfeifei	https://twitter.com/drfeifei
Amit Singhal	@theamitsinghal	https://twitter.com/theamitsinghal
Greg Brockman	@gdb	https://twitter.com/gdb
Martin Ford	@MFordFuture	https://twitter.com/MFordFuture
Sebastian Thrun	@SebastianThru	https://twitter.com/SebastianThrun

Step 2: Extract last 100 posts

(1) Full post
(2) @...
(3) URL

```
1 df_twitter
```

	@AndrewYNg	@MFordFuture	@SebastianThrun	@drfeifei	@gdb	@theamitsinghal	
0	(When you ask a designer to come up with the n...	(This #AI can spot art forgeries by looking at...	(RT @udacity: Thanks, @SmartHeroGismo, for the...	(RT @stanfordnlp: Know anyone who'd be good as...	(RT @OpenAI: Are you a programmer who wants to...	(@dtunkelang I am heartbroken to read Susan's ...	(RT @er article, "AI's l
1	(Just interviewed @ylecun for the the Deep Lea...	(The driverless revolution may exact a politic...	(I find this story very inspiring: https://t.c...	(My dear friend Tino's eloquent speech on the ...	(RT @OpenAI: Developing our Dota 2 system, wit...	(@billkee I am heartbroken to read Susan's pos...	(RT @arth Cor @N
2	(Great talks at @Stanford on the latest develo...	(Semiconductor chip startups are in a high-sta...	(Five Technologies That Will Rock Your World h...	(Cloud Robotics talk by @ken_goldberg @googlec...	(@scott_e_reed Yep — we care about what you ca...	(@qubit_sf I am heartbroken to read Susan's po...	(@ @Astro_W
3	(It's not right for PhD programs to be accessi...	(RT @vardi: Preparing Students to Lose Their J...	(RT @olivercameron: Huge congrats to Team @...	(Congrats! An exciting and positive step! #AI ...	(One of the authors is in high school still: h...	(@suyashcjoshi it was a pleasure meeting you.,...	(RT @must Enjoyed writin
4	(Wow, as usual I'm impressed at how quickly th...	(Amazon Web Services backs deep-learning forma...	(Take my lesson on how my @stanford research t...	(I'm honored &humbled. It's an exciting ti...	(RL struggles when tasks have sparse reward. I...	(RT @nytimes: Uber's CEO said he would step do...	(It was fur with Andrew a
5	(Jensen Huang is one of	(How Deep Learning		(Two of my students'	(Blooper reel of a		

Insight - Top Sources

```
C:\Users\Shuttle\Downloads\Python Course\Project>python GetURL_simple.py
twitter.com: 17
fb.me: 8
bit.ly: 4
www.wired.com: 3
www.technologyreview.com: 3
blog.openai.com: 3
www.nytimes.com: 2
www.linkedin.com: 2
tcrn.ch: 2
nyti.ms: 2
medium.com: 2
goo.gl: 2
deeplearning.ai: 2
blog.udacity.com: 2
```

Expanded URLs->

```
twitter.com: 17
www.facebook.com: 5
www.wired.com: 3
www.technologyreview.com: 3
www.linkedin.com: 3
blog.udacity.com: 3
blog.openai.com: 3
www.nytimes.com: 2
www.deeplearning.ai: 2
techcrunch.com: 2
nyti.ms: 2
medium.com: 2
```

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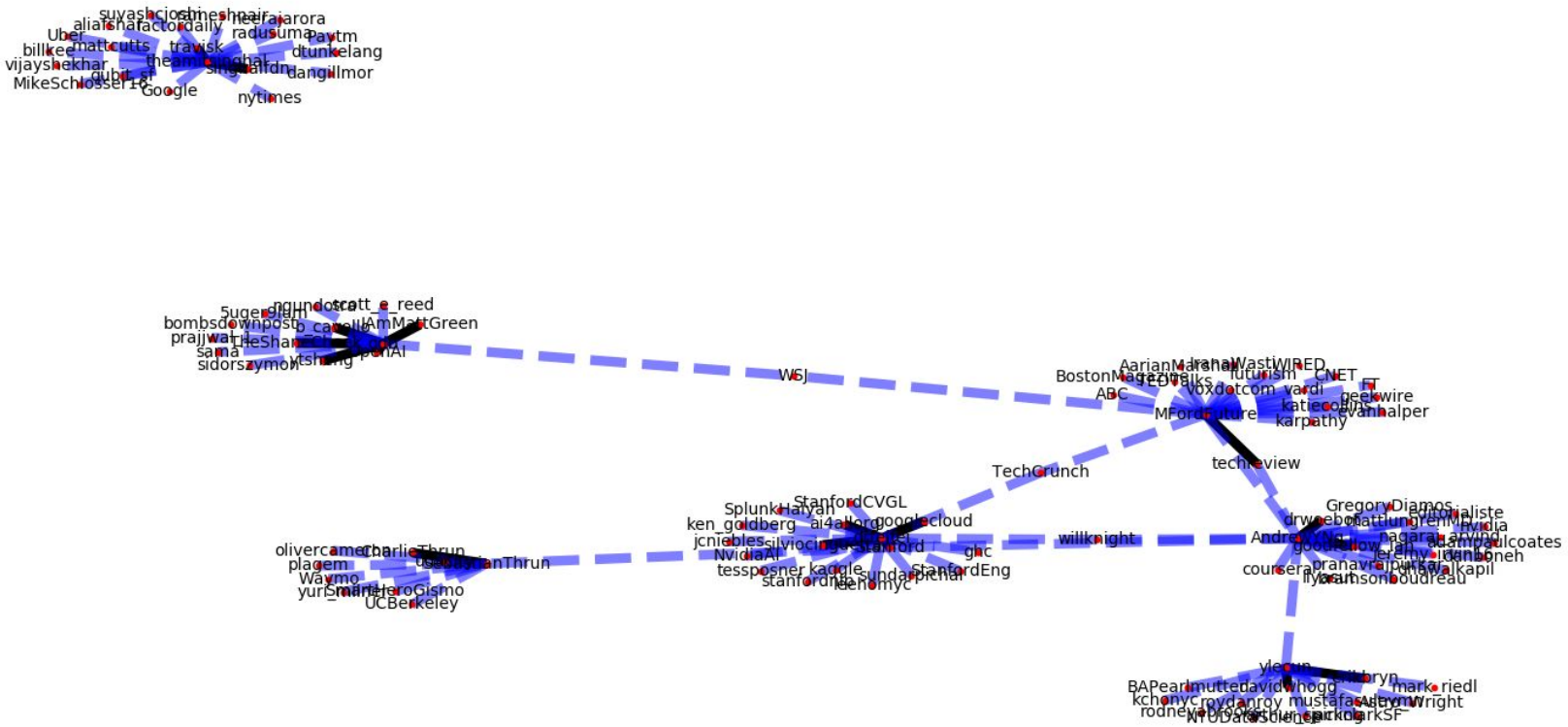
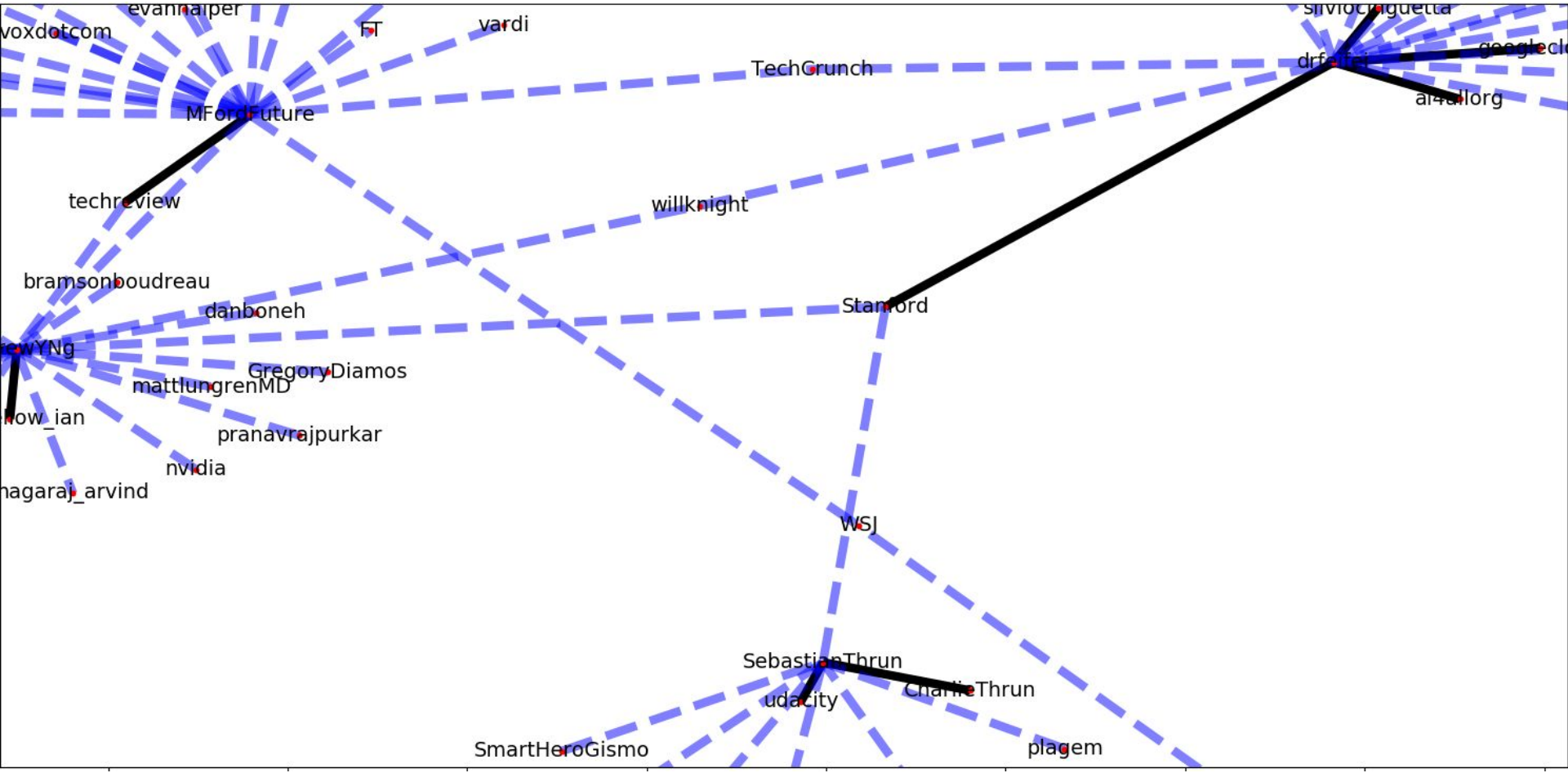
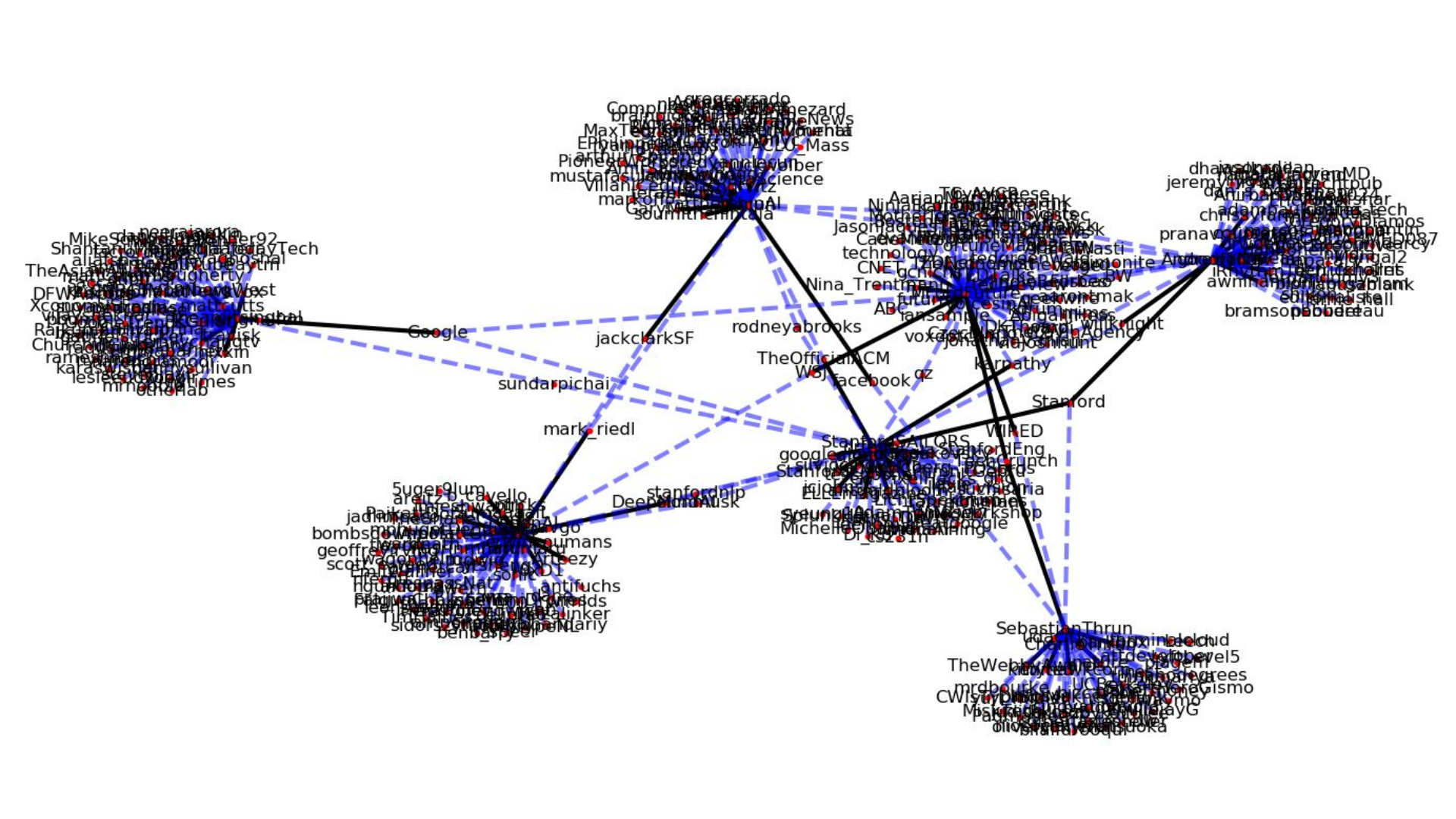
C:\Users\Shuttle\Downloads\Python Course\Project>python GetURL_simple.py
twitter.com: 63
fb.me: 50
goo.gl: 39
blog.openai.com: 13
www.technologyreview.com: 12
medium.com: 11
bit.ly: 10
openai.com: 9
nyti.ms: 8
blog.udacity.com: 8
www.youtube.com: 7
www.wsj.com: 6
www.wired.com: 6
www.nytimes.com: 6
www.udacity.com: 4
www.coursera.org: 4
www.bloomberg.com: 4
deeplearning.ai: 4
zd.net: 3
www.forbes.com: 3
www.deeplearning.ai: 3
trib.al: 3
techcrunch.com: 3
tcrn.ch: 3
qz.com: 3
image-net.org: 3
github.com: 3
futurism.com: 3
fortune.com: 3
buff.ly: 3
arxiv.org: 3
```

Insight - More AI Expert (network graph)




evanhalper
vardi
TechCrunch
MFordFuture
techreview
willknight
bramsonboudreau
danboneh
Stanford
GregoryDiamos
mattlungrenMD
pranavrajpurkar
nvidia
WSJ
udacity
SmartHeroGismo
plagem


Google
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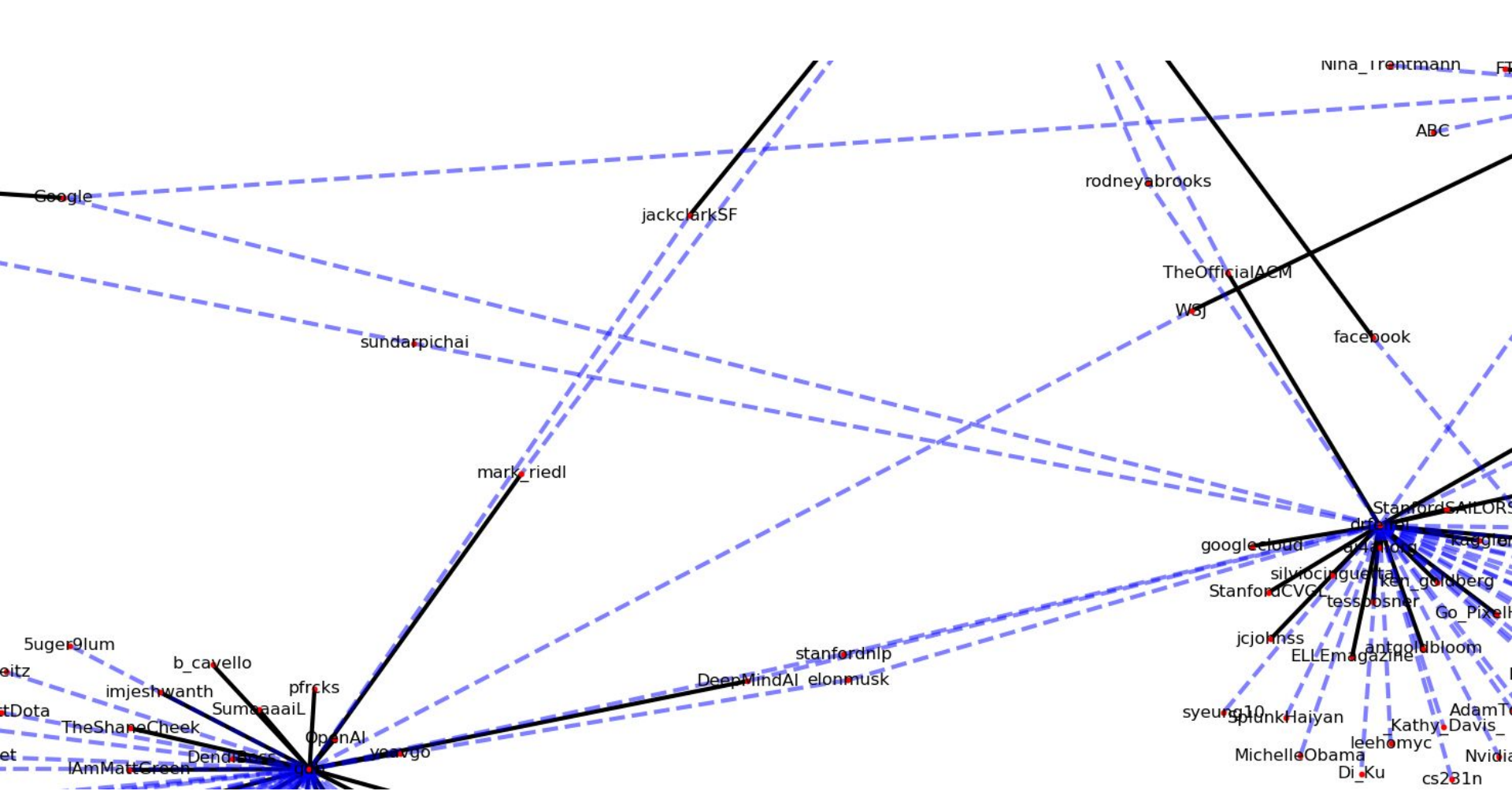
rodneyabrooks
TheOfficialCM
sundarpichai
mark_riedl
Stanford
WIRED
stanfordnlp
SebastianThrun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ABC
Google
jackclarkSF
rodneyabrooks
TheOfficialACM
WSJ
sundarpichai
facebook
mark_riedl
googlecloud
silviocinguetta
ken_goldberg
StanfordCVGL
tess_posner
Go_Pixel
jcjohnss
antgoldbloom
ELLEmagazine
5uger9lum
b_cavello
stanfordnlp
DeepMindAI
elonmusk
imjeshwanth
pfrcks
TheShaneCheek
OpenAI
syeung10
SplunkHaiyan
AdamT
_Kathy_Davis_
leehomyc
MichelleObama
Di_Ku
cs231n

Insight - More AI Experts (manual)

OpenAI: 42
udacity: 29
ai4allorg: 20
techreview: 14
Google: 14
ylecun: 9
StanfordSAILORS: 8
drfeifei: 7
Stanford: 7
PartnershipAI: 7
MFordFuture: 7
CharlieThrun: 7
willknight: 6
theamitsinghal: 6
singhalfdn: 6
mattcutts: 6
mark_riedl: 6
hardmaru: 6
goodfellow_ian: 6
yoavgo: 5
silviocinguetta: 5
erwincoumans: 5
erichorvitz: 5
WSJ: 5
TechCrunch: 5
DendiBoss: 5
travisk: 4
tessposner: 4
pranavrajpurkar: 4
ken_goldberg: 4
karpathy: 4
kaggle: 4
TheOfficialACM: 4
SumaaaaiL: 4
SebastianThrun: 4
NYUDataScience: 4

Names highlighted in blue look interesting, to be added to the list.

```
[['mark_riedl',
  u'Artificial intelligence, storytelling, computer games. Associate Professor at Georgia Tech School of Interactive Computing.
Geek. Dad.',
  u'http://eilab.gatech.edu/mark-riedl',
  5047,
  u'https://pbs.twimg.com/profile_images/882598268823384065/nietAmrw_normal.jpg'],
 ['rodneyabrooks',
  u'Robot builder',
  u'http://www.rethinkrobotics.com',
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  '',
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  15266277,
  u'https://pbs.twimg.com/profile_images/782474226020200448/zDo-gAo0_normal.jpg'],
 ['willknight',
  u'I write about mechanical brains for MIT Tech Review. Email: will.knight@technologyreview.com',
  u'http://www.technologyreview.com',
  7389,
  u'https://pbs.twimg.com/profile_images/550301827271376899/3legFrqi_normal.jpeg']]
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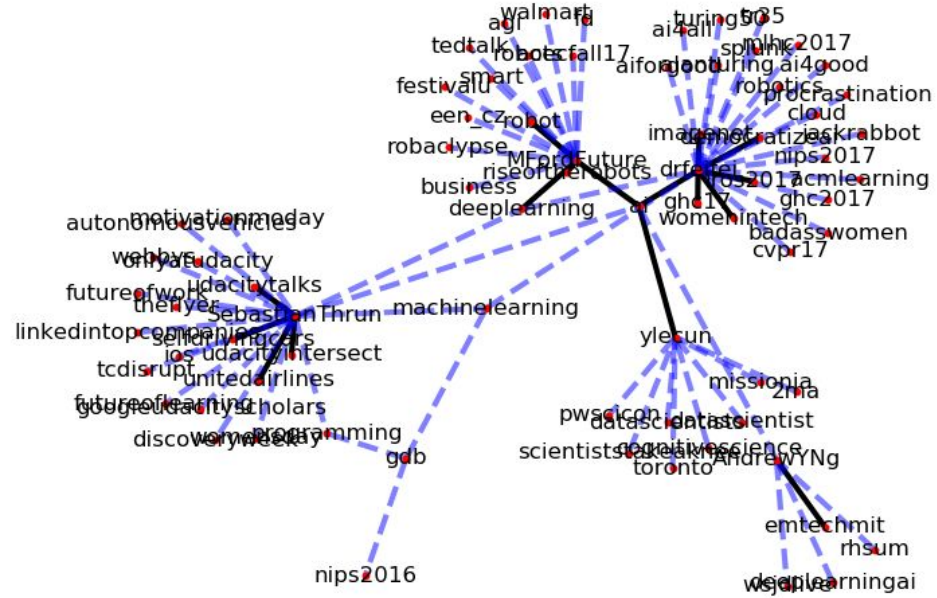
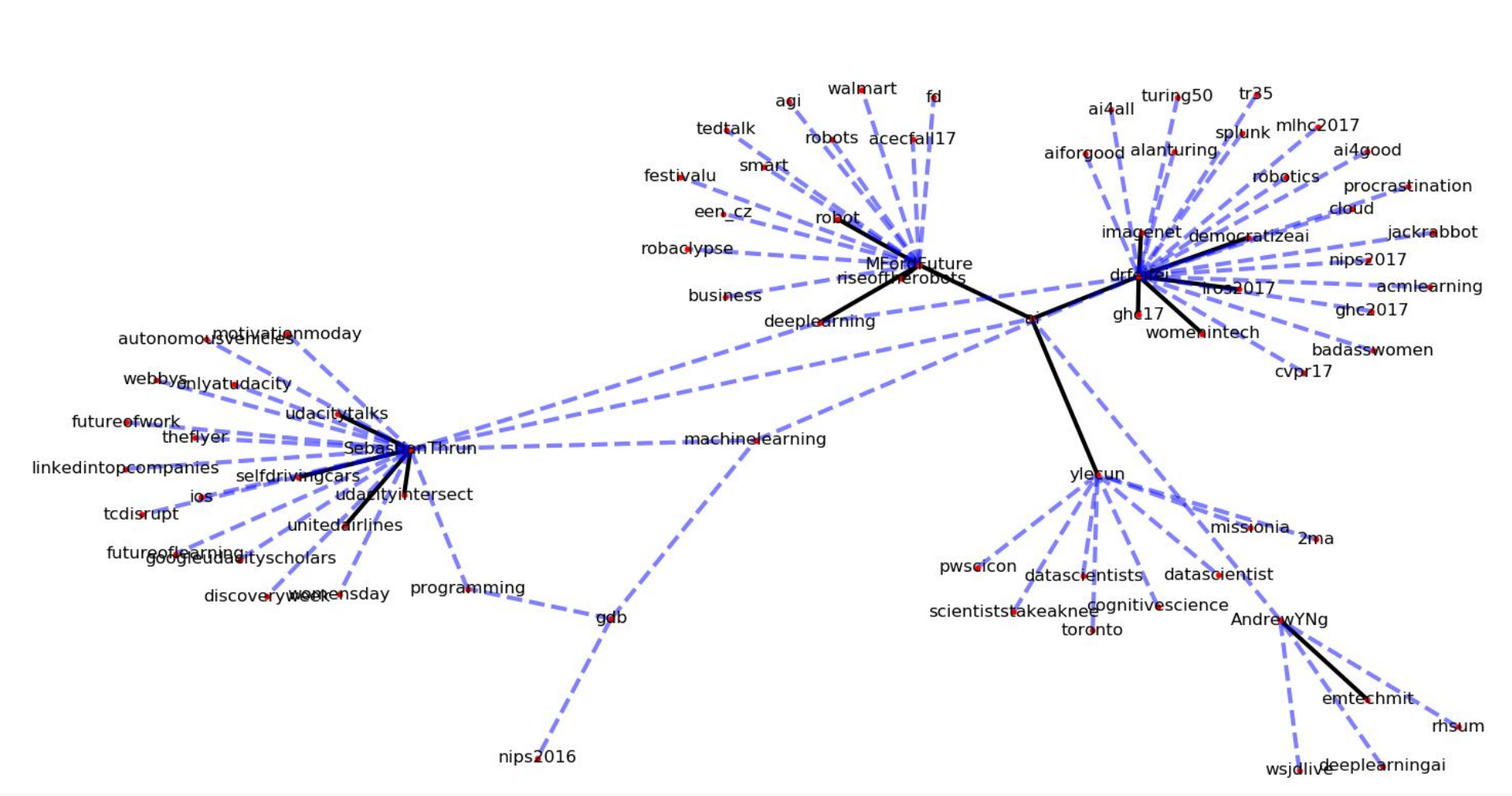
Insight - Trending Topics




agi
walmart
fd
tedtalk
robots
acecfall17
festivalu
smart
een_cz
robot
robocalypse
MFordFuture
riseoftherobots
business
deeplearning
ai4all
turing50
tr35
splunk
mlhc2017
aiforgood
alanturing
ai4good
robotics
procrastination
cloud
imagenet
democratizeai
jackrabbot
nips2017
drfeifei
iros2017
acmlearning
ghc17
ghc2017
womenintech
badasswomen
cvpr17
autonomousvehicles
motivationmoday
webbys
enlyatudacity
udacitytalks
futureofwork
theflyer
SebastianThrun
machinelearning
linkedintopcompanies
selfdrivingcars
ios
udacityintersect
tcdisrupt
unitedairlines
futureoflearning
googleudacityscholars
discoveryweek
womensday
programming
gdb
nips2016
ylecun
missionia
2ma
pwsoicon
datascientists
datascientist
scientiststakeaknee
cognitivescience
toronto
AndrewYNg
emtechmit
rhsum
wsjdlive
deeplearningai

Step 3: Find Experts on Twitter

Future Growth

- Option 1: Select relevance based on user description
- Option 2: Add from excel list

Step 4: Find related sites online

Future Growth