

THE WIZARDING
WORLD OF
Harry Potter™

Social Network Study By Nuan

Inspirations

Big Fan of Harry Potter, but...

```
var fromART22 = 'Data Visualization';  
var fromCSXXs = 'Data Structure';  
// What if, combined?  
>> fromART22 + fromCSXXs  
"Data VisualizationData Structure"  
// actually, DATA STRUCTURE VISUALIZATION!
```



```

/*
"characters-all":[
  {
    "order":0,
    "name":"Vernon Dursley",
    "image":"../images/charac
    "type":"M", // muggle
    "faction":"U", // unclear
    "first-appear-book":1,
    "first-appear-char":1,
    "words":"There's no such

=====TYPE===== [now] ==> assign different filling color to this factor
M/G/H/R/S/F/O/U
Muggle: M
Gryffindor: G
Hufflepuff: H
Ravenclaw: R
Slytherin: S
Foreign magicians: F
Other magical creatures (beasts, elves, goasts, figures in pictures): O
Unkown or unclear: U
=====

  },
  {
    "order":1,
    "name":"Petunia Dursley",
    "image":"../images/charac
    "type":"M",
    "faction":"U",
    "first-appear-book":1,
    "first-appear-char":1,
    "words":"It was Lily this

=====FACTION===== [later] ==> assign different boarder color to this factor
P/A/M/E/N/G
Order of the Phoenix: P
D.A.: A
The Ministry of Magic: M
Death Eaters: E
Neutral: N
"For the Greater Good" (and Deathly Hallows): G (wait...Then everything in Fantastic Beasts :
=====

  },
  {
    "order":2,
    "name":"Dudley Dursley",
    "image":"../images/characters/DD.png",
    "type":"M",
    "faction":"D.A.",
    "first-appear-book":1,
    "first-appear-char":1,
    "words":"I don't think you're a waste of spac

Color choices:

==>Color of graph edges:
|
Relationship                                Color                                Graph Weight
for sure to include:
Real Enemy                                rgb(241, 65, 65)                        -2
Resisting                                rgb(255, 141, 10)                       -1
Neutral                                  rgb(241, 220, 65)                       0
Friend                                  rgb(179, 241, 65)                       1
Best Friend / family / advocator          rgb(17, 200, 21)                       2

```

Concepts and Toolkit

What Data? – everything about and between every character

What Data Structure? – a graph! (DS concept)

How to Visualize? – draw a dynamic network!



Progress...

No existing API, so start with just a book...

D3.js is so cool but so different

The Prototype of Prototype



What's next?

<https://github.com/nuankw/web-design-stuff>





the end

End of presentation,
New start for HP-net...

Thank you!