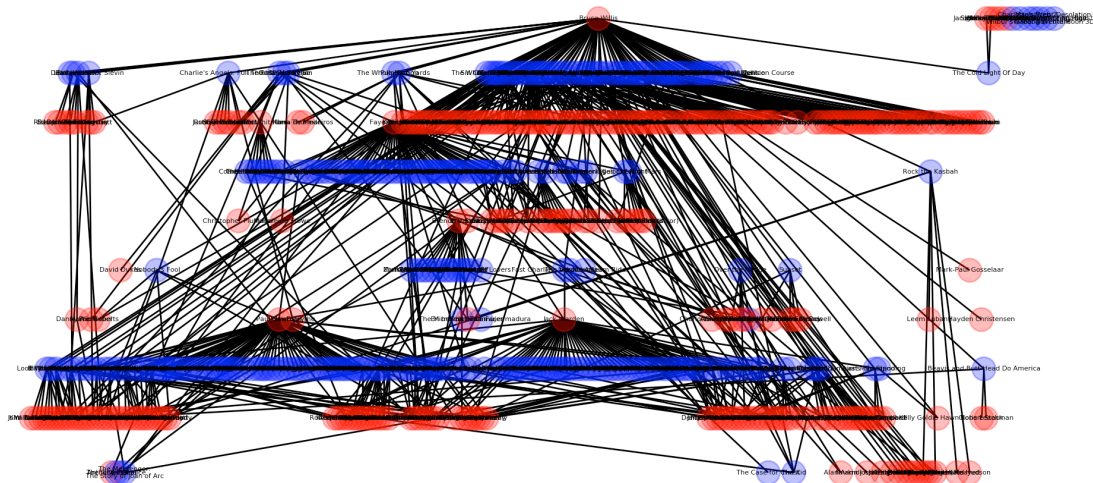# Manual Test Plan

To visualize the entire JSON, run ShowAll.py. It should output something like this:

Of course, this is unreadable and so not very useful. If the input JSON is smaller then maybe this function would be more useful. For this large data set, it would make more sense to use GetActor.py, which displays an actor as well as all the movies he's acted in and actors he's worked with. For example, with Tom Hanks:
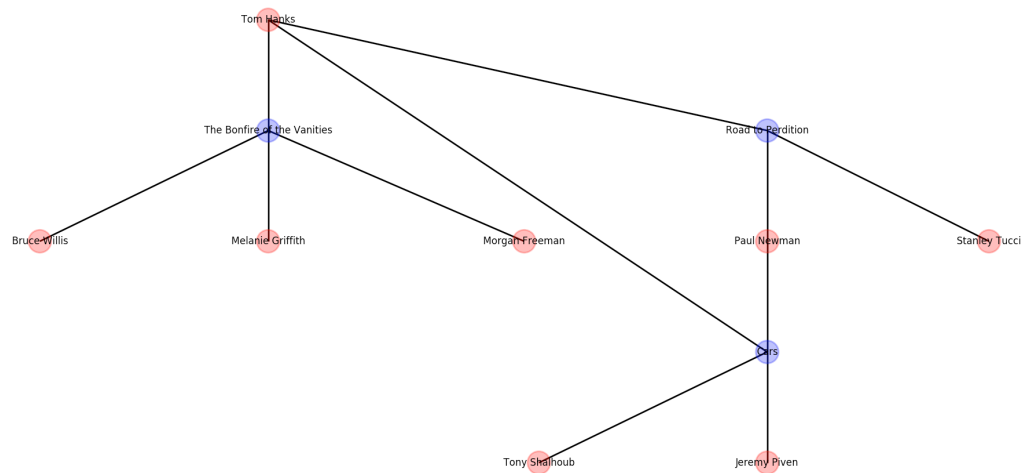
For data analysis, if you'd like to see the hub actors, run Hubs.py. It should show the graph of connections between the hub actors:
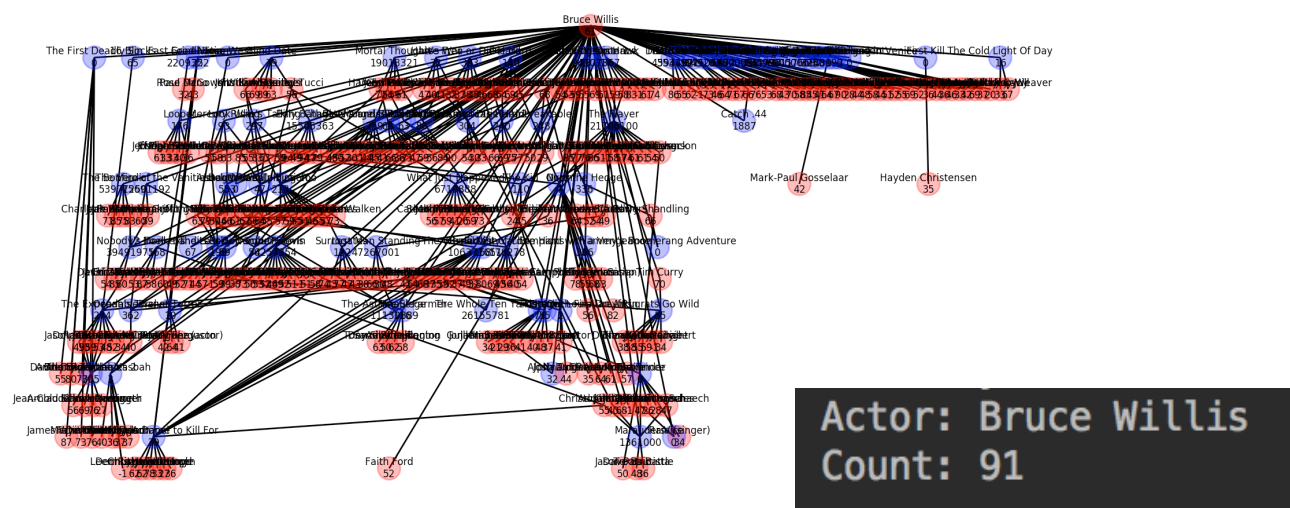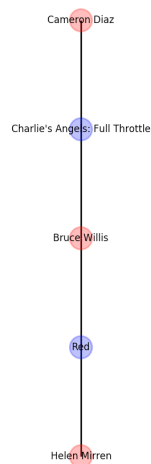

To view average gross by age group, run AgeSalary.py. It should show a scatter plot like this:
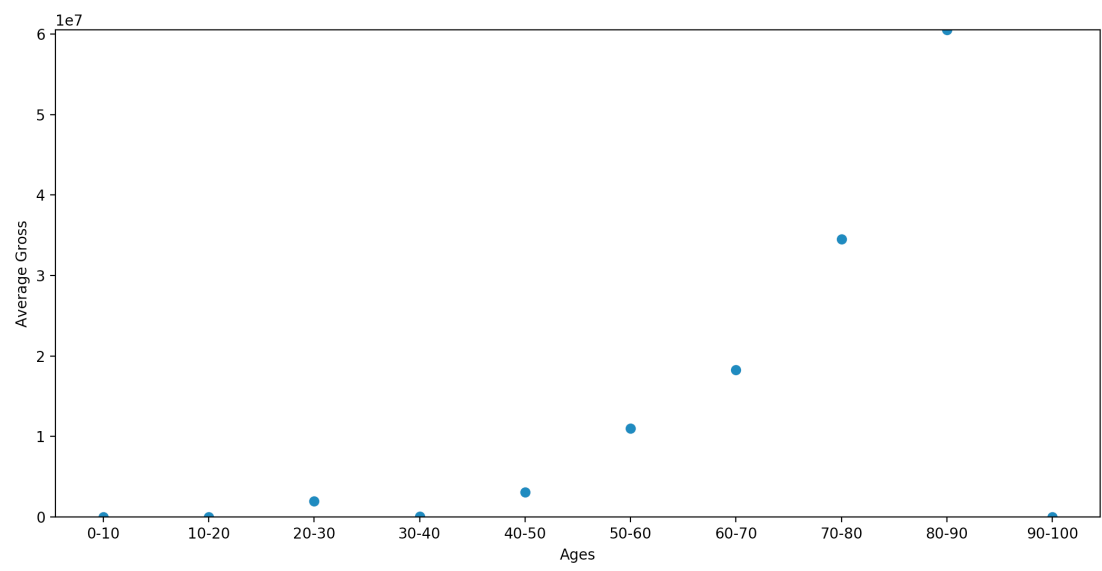
This should be enough to see any correlation between actor age and total gross

For the Six Degrees of Kevin Bacon, run KevinBacon.py. It should print the largest and average separation, as well as the graph of the actors and the path between them:


```
Actor 1: Cameron Diaz
Actor 2: Helen Mirren
Degree of Separation: 3
Average Degree of Separation: 2.9273080241587577
```

An extra function is BestFriends.py, which shows which actors do the most movies together