

# Hannibal

## Network Analysis

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# Material

Two scripts of Hannibal:

- [By David Mamet](#) (1999, unproduced)
- [By Steven Zaillian](#) (2000, produced with minor changes in 2001)

# Research questions and methods

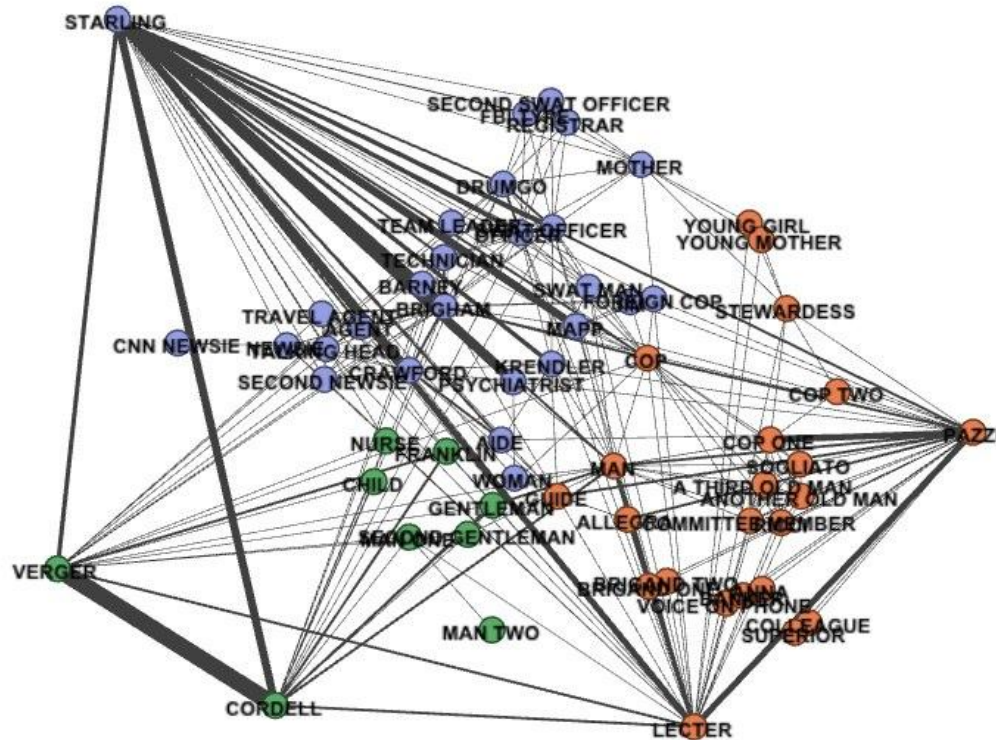
How similar (or different) two scripts based on the same story can be?

Is produced script “lighter” than unproduced?

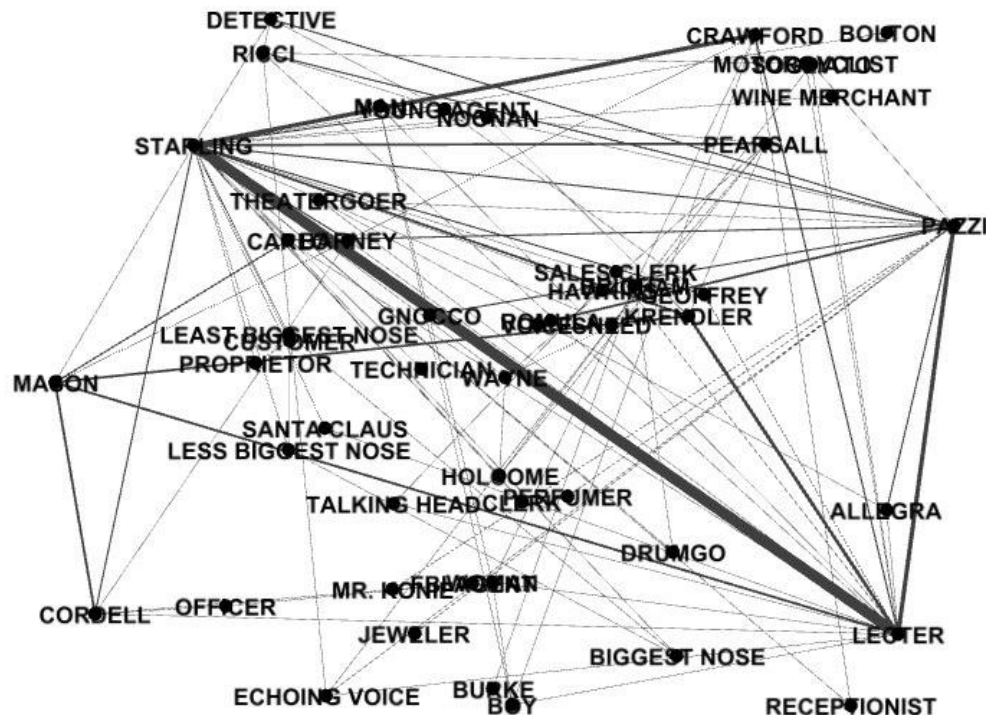
Can we detect main characters based on graphs?

We parsed texts to yield the connections between characters within one scene and then plotted the graph with Gephi

# Hannibal, as seen by Mamet



# Hannibal, as seen by Zaillian



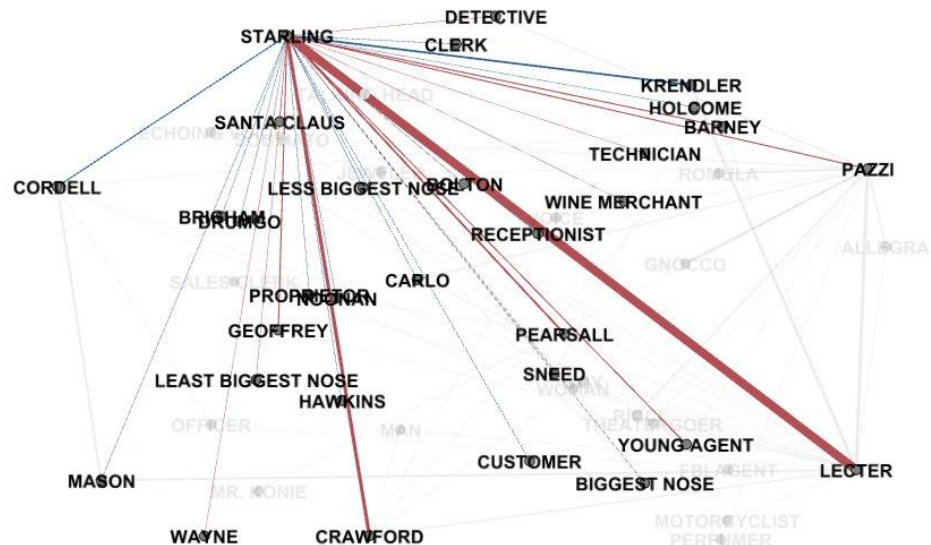
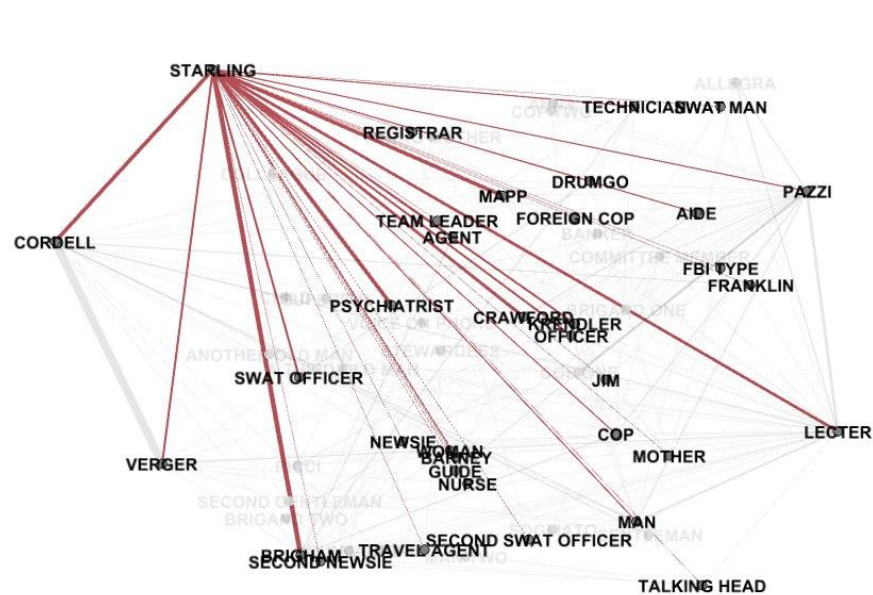
# Differences and similarities

Produced script has less connections

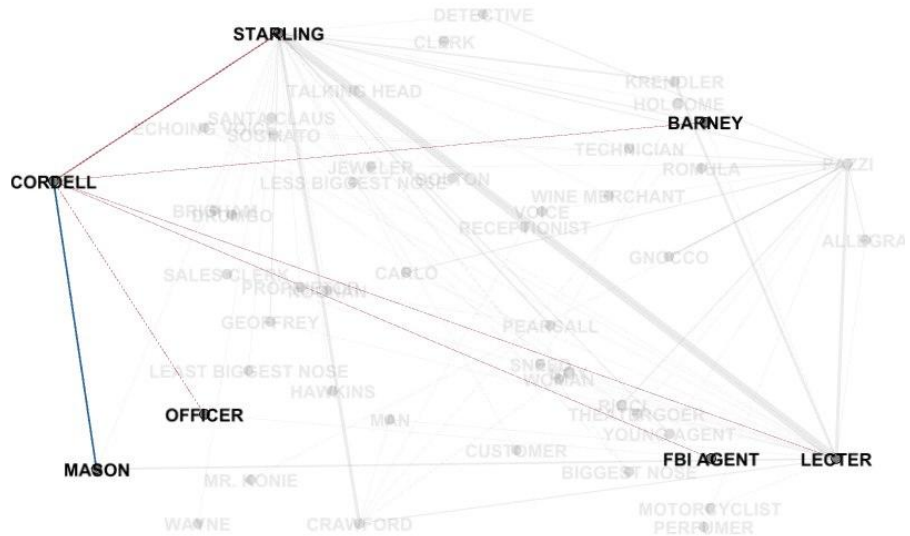
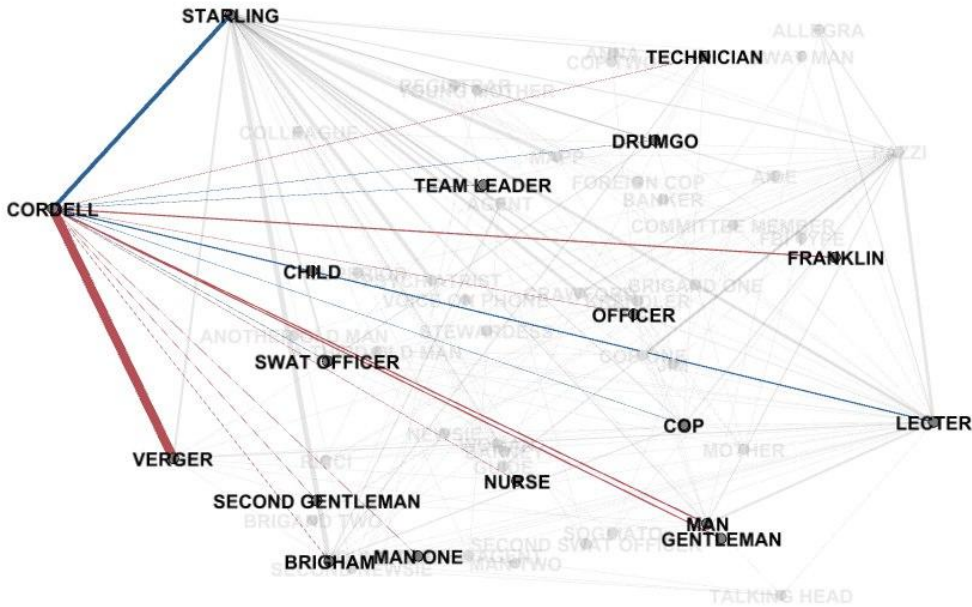
Second script has less minor characters with no names

Some scenes are not present in the unproduced screen by Mamet (e.g. with gypsies)

# Starling in both screenplays

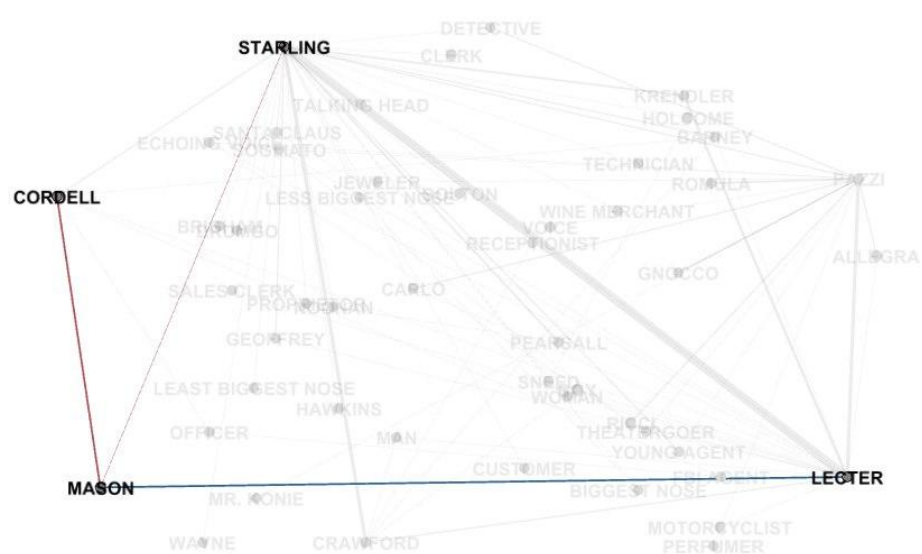
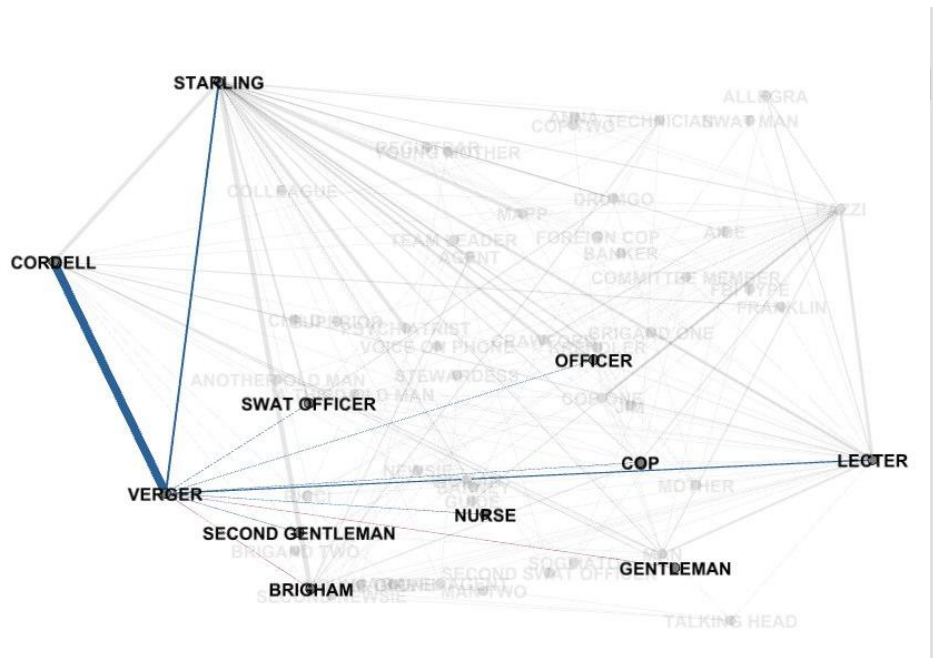


# Cordell in both screenplays

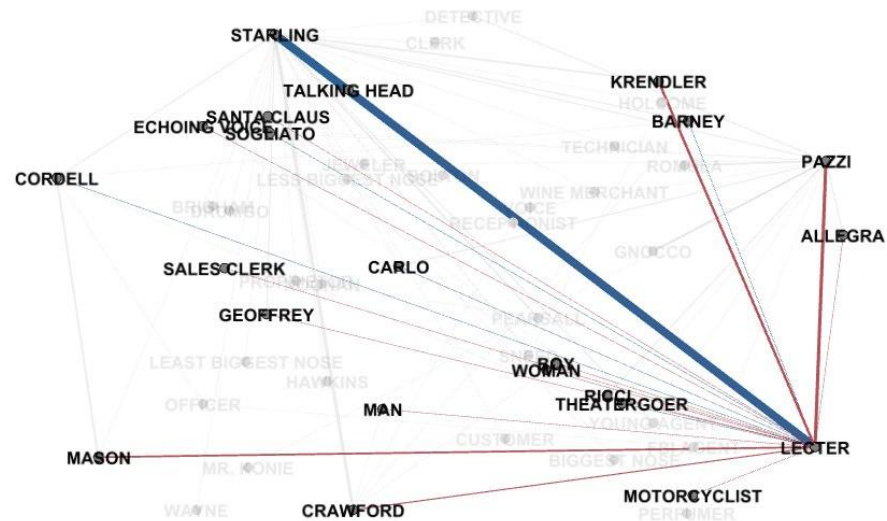
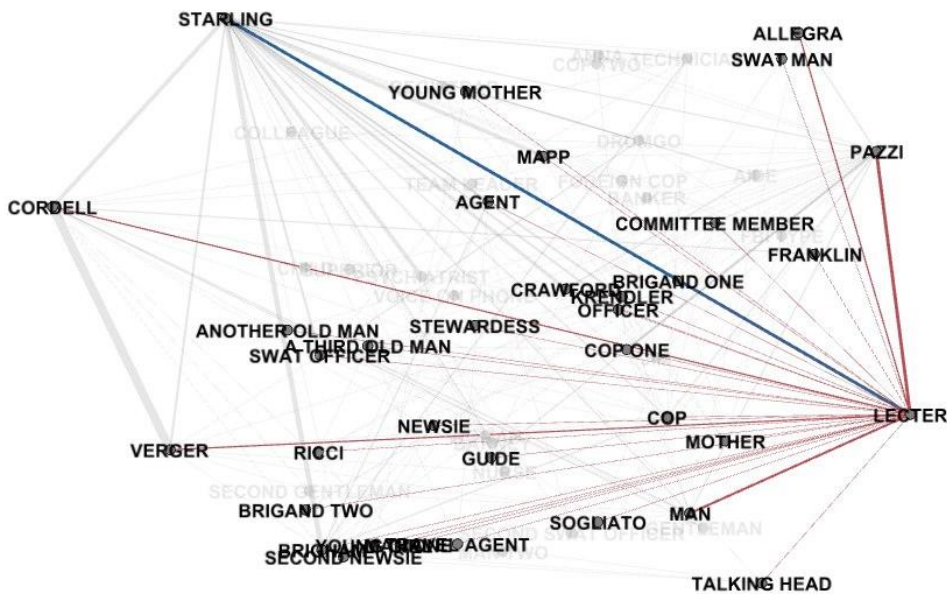




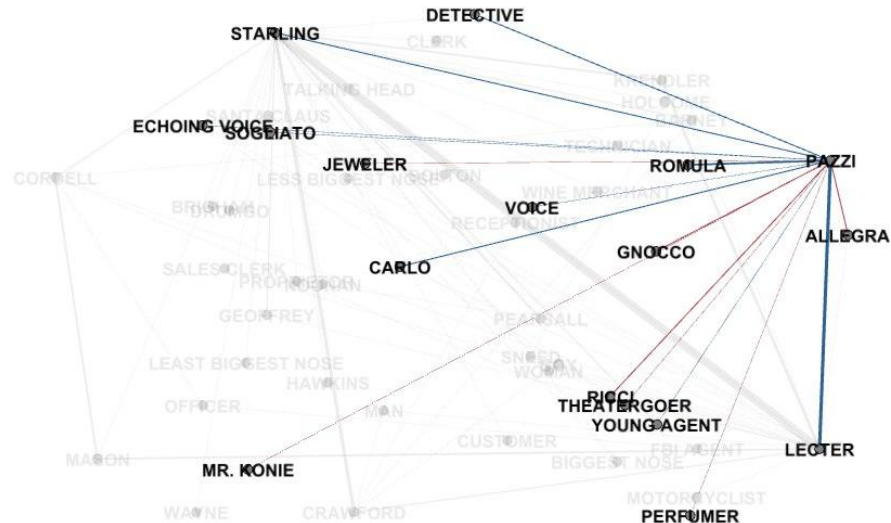
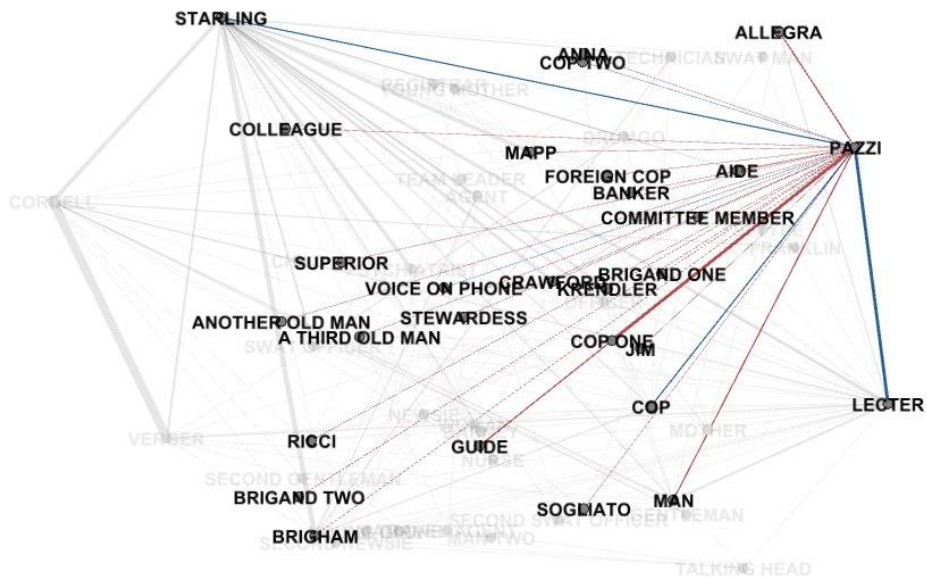
# Mason Verger in both screenplays



# Hannibal in both screenplays



# Pazzi in both screenplays



# Unfilmed vs. filmed

Unproduced script is centered around Starling, whereas in the filmed script Hannibal is also involved in many scenes with others.

Connection intensity between Verger and Cordell is stronger in the script by Mamet.

Mason Verger, Cordell and Pazzi have less connections in the filmed version of the script.

Lecter has around the same number and weight of connections in both scripts

# Results, problems and further work

Two scripts differ significantly

Cluster analysis didn't work for the screened script :(

It's hard to find (impossible?) an appropriate settings for the graph centered around one particular character

Instead of using width to show the weight it's better to use colors

“Гефи — игрушка дьявола”

“КАК ЭТОТ ГЕФИ ЛАГУЧИЙ ЗАДРАЛ МЕНЯ”



Hannibal Lecter Social Chart

Thank you for your attention!



Comments and add-ons:

Add weight and density for graphs to prove that produced version is lighter than unproduced.

Centrality and layout for the graphs around characters.

Python-parsing (?)