



《三国演义》

Romance of the Three Kingdoms

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**“The empire, long divided,
must unite; long united, it
must divide. Thus it has
ever been.”**

— opening lines of Romance of the Three Kingdoms

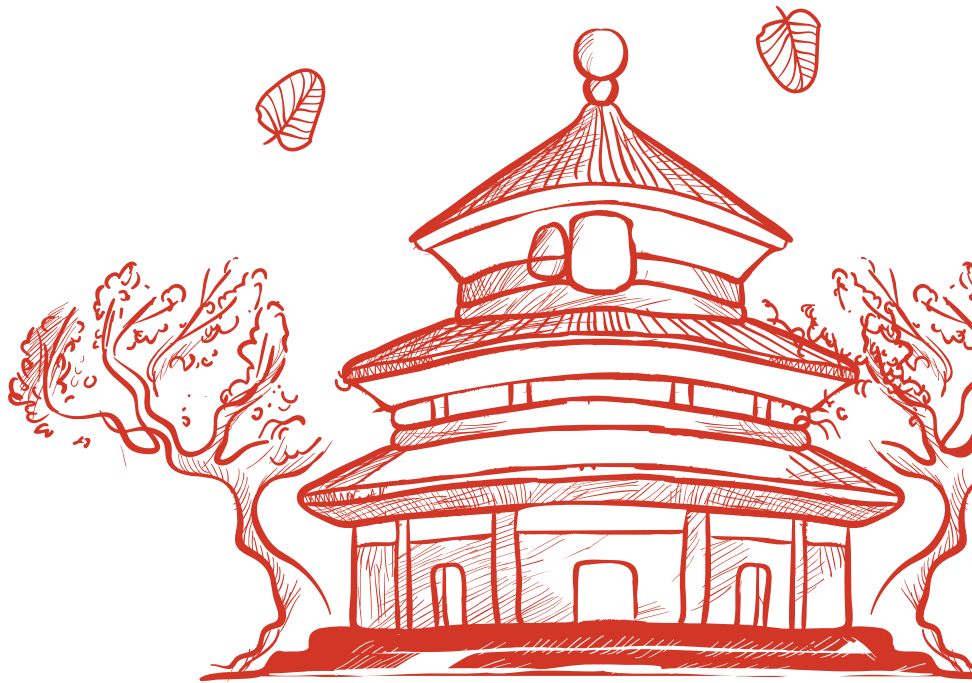


Story Interest & Overview

Longing for peace, the characters wonder what will become of their lives as war rages across the land.

We will:

**Explore characters relationship
among each other**



Data Understanding

We are using text analysis to make discoveries of the text and perform social network analysis:

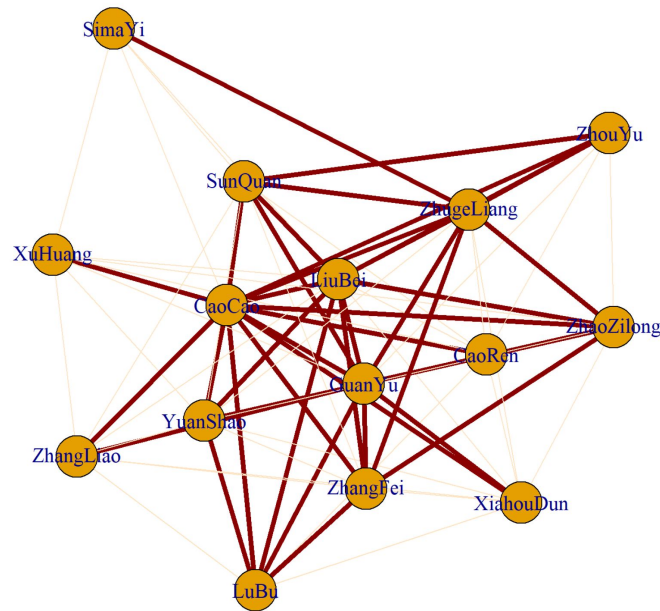
- Text from the whole book
- Three Kingdoms
- 120 chapters
- 70 main characters



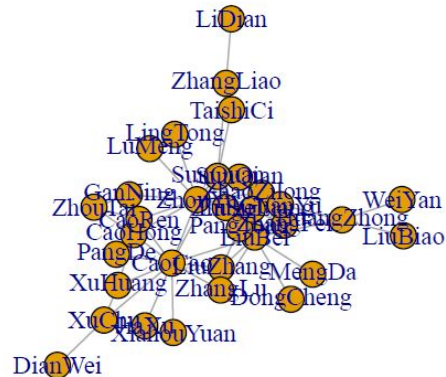
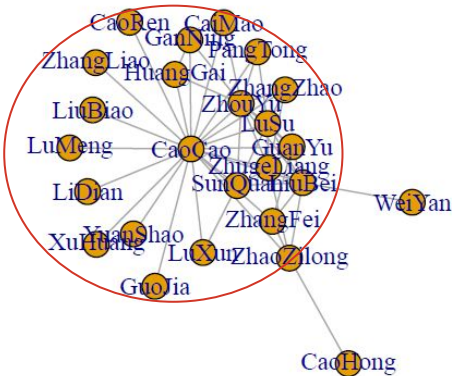
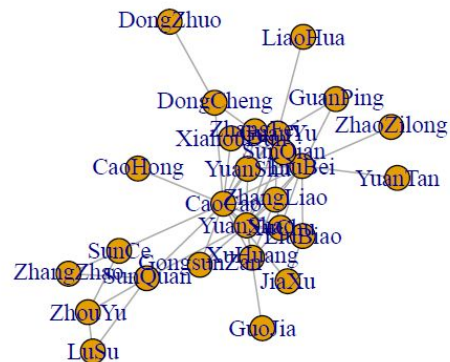
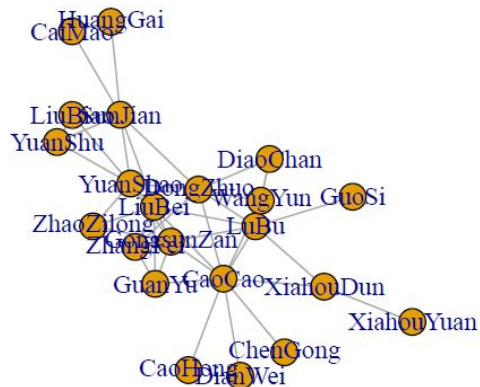
Exploratory Data Analysis

Through data cleaning and analysis we discover:

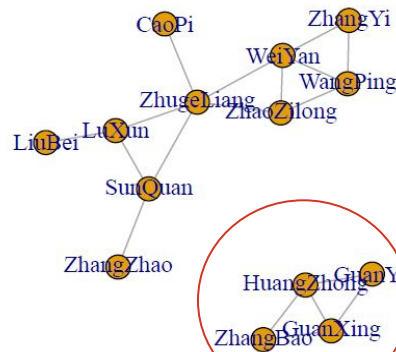
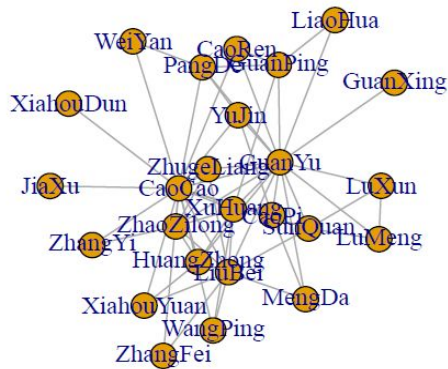
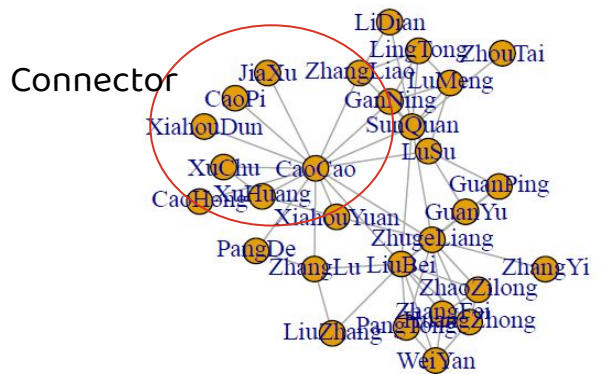
- Top 15 Important Characters
 - Cao Cao (Ruler of Wei)
 - Sun Quan (Ruler of Wu)
 - Liu Bei (Ruler of Shu)
 - Zhuge Liang (Chancellor of Shu)
 - Guan Yu (Military general of Shu)
 - Zhang Fei (Military general of Shu)
 - Sima Yi (Military general of Wei)
 - Zhou Yu (Chancellor of Wu)



Network Exploration - 12 Sets



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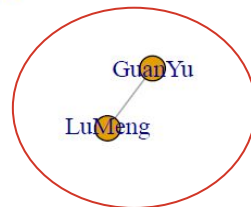
2-plex



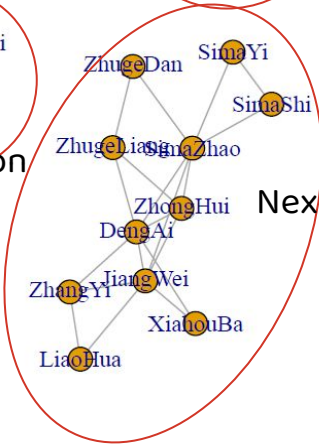
Bridge



Father & Son



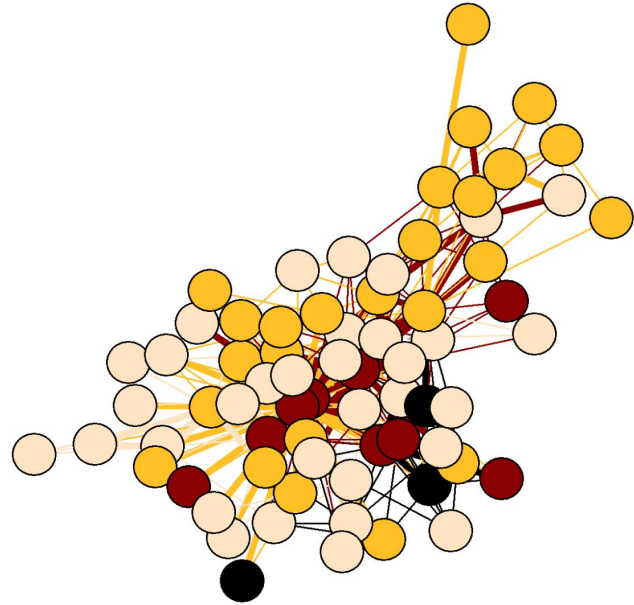
Kill



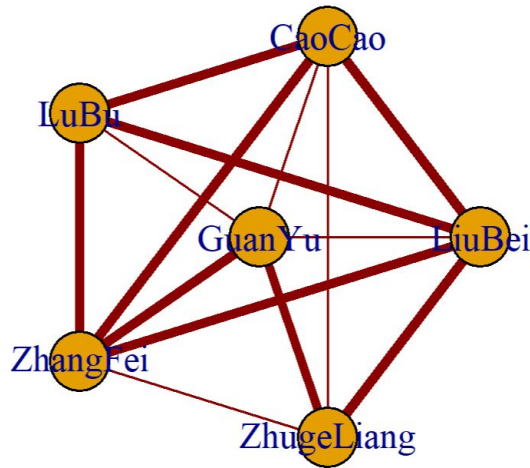
Next generation

Network Analysis

- Overall Network:
 - Augmentation of relationships from each section
- Color coded based on country:
 - Wei=goldenrod1
 - Shu=darkred
 - Wu=black
 - other= bisque



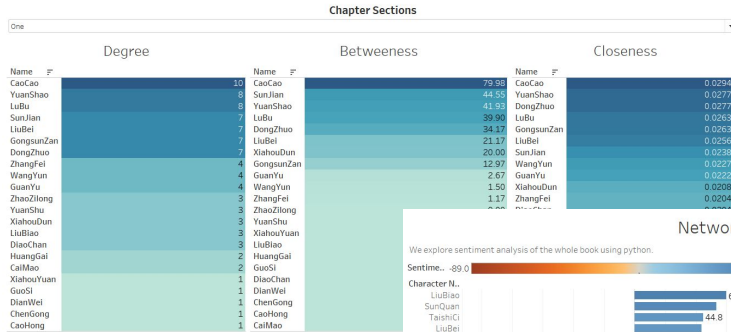
Network Analysis



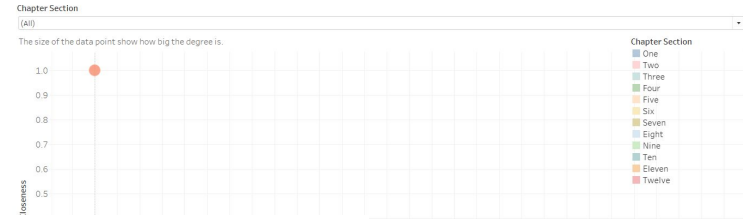
- Network overall is **Core Periphery**, with 6 people in the core.
- Not everyone in the core is strongly connected:
 - ZhugeLiang and CaoCao are in opponent countries
 - ZhangFei is jealous of ZhugeLiang... etc.

Network Analysis

Exploring Network Scores



Exploring Network Measure Relationship



Network Score Over Time

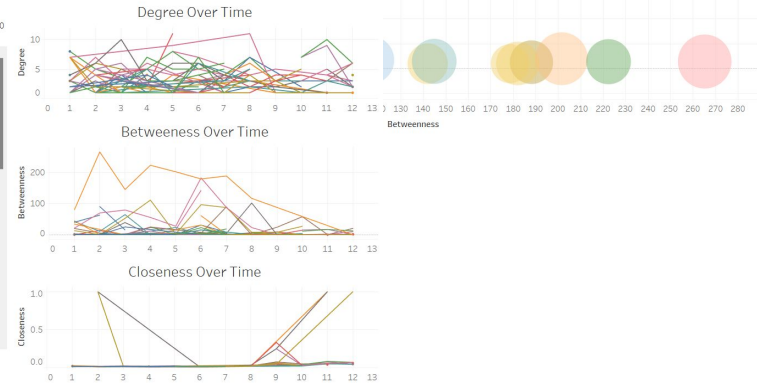
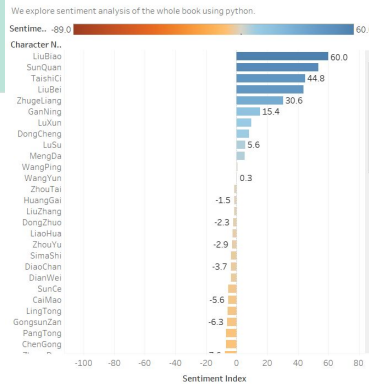


Tableau Dashboard:

https://public.tableau.com/views/SNAFinalProject_16708941914010/Story1?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Sentiment Analysis

Most Liked Characters

Character Name	
liu biao	59.98
sun quan	53.49
taishi ci	44.75
liu bei	43.56
zhuge liang	30.59
gan ning	15.44
lu xun	9.69
dong cheng	7.98
lu su	5.63
meng da	5.20

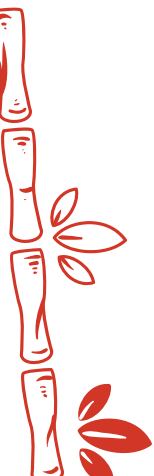

Most Disliked Characters

Character Name	
cao cao	-89.00
yuan shu	-78.97
zhang liao	-70.21
cao hong	-62.08
xiahou ba	-45.95
zhang fei	-45.42
lu meng	-43.77
guo huai	-42.02
xiahou yuan	-41.73
lu bu	-40.98



Implications and Insights



- Able to see when each character died throughout the book
 - More clear relationship shown up in the later chapter when characters started developing network
 - More characters were reported to have negative sentiment overall and negative sentiment was generally more intense (higher values) compared to positive sentiment
 - After the top 5 characters, there is a sharp drop off of positive sentiment
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The slide features decorative line art illustrations of flowers and leaves in the corners. Top-left: A small leaf. Top-right: A large cluster of flowers and leaves. Bottom-left: A large cluster of flowers and leaves. Bottom-right: A small leaf. Center: The text 'THANK YOU!' in large red letters, and 'Any Questions' in smaller black letters below it.

THANK YOU!

Any Questions