



GAME of THRONES

Group 14

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Evolution of relationship between Targaryen and Stark

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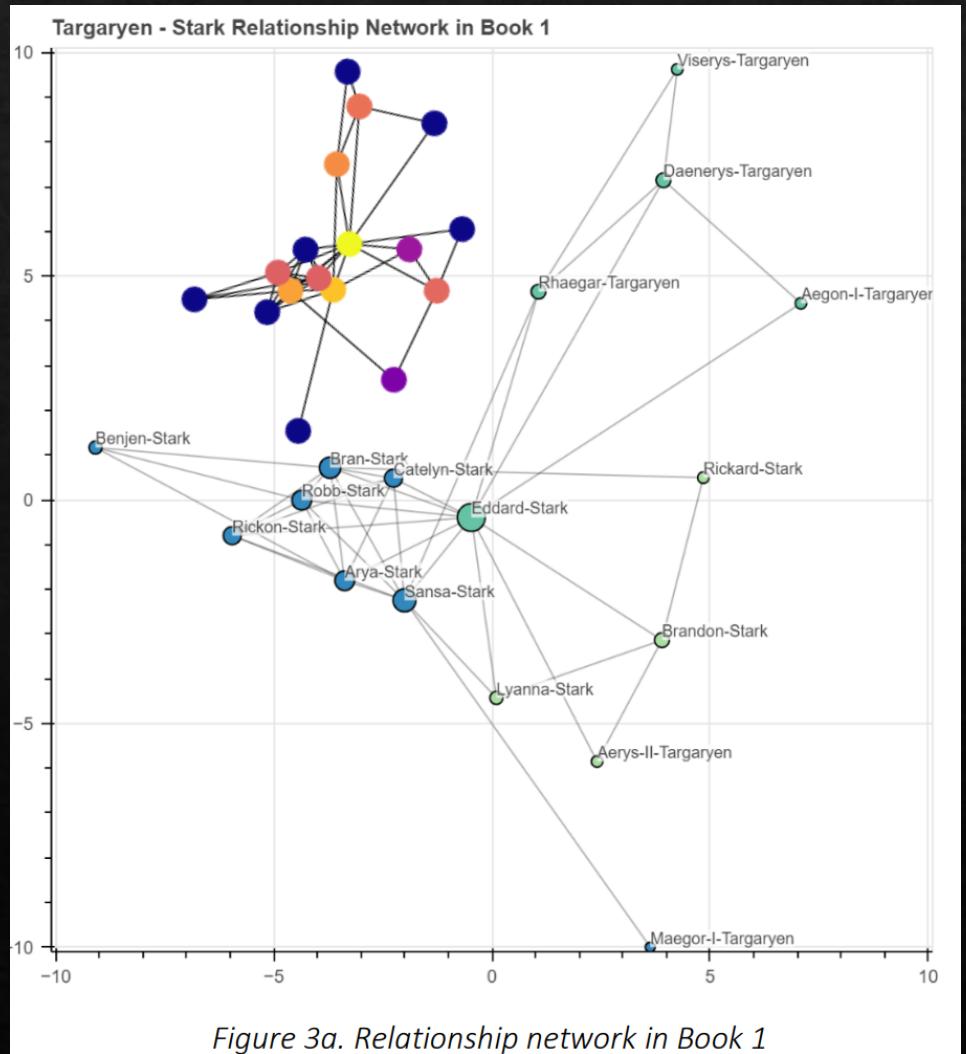
Introduction

- ❖ Game of Thrones is the hugely popular television series by HBO based on a five popular book series
- ❖ 9 Noble Families
- ❖ Comparing relationship between Targaryen & Starks
- ❖ Dataset consists of; Source, Target, Type, Weight and Book.

A	B	C	D	E
Source	Target	Type	weight	book
Addam-Ma	Jaime-Lann	Undirected	3	1
Addam-Ma	Tywin-Lann	Undirected	6	1
Aegon-I-Ta	Daenerys-T	Undirected	5	1
Aegon-I-Ta	Eddard-Sta	Undirected	4	1

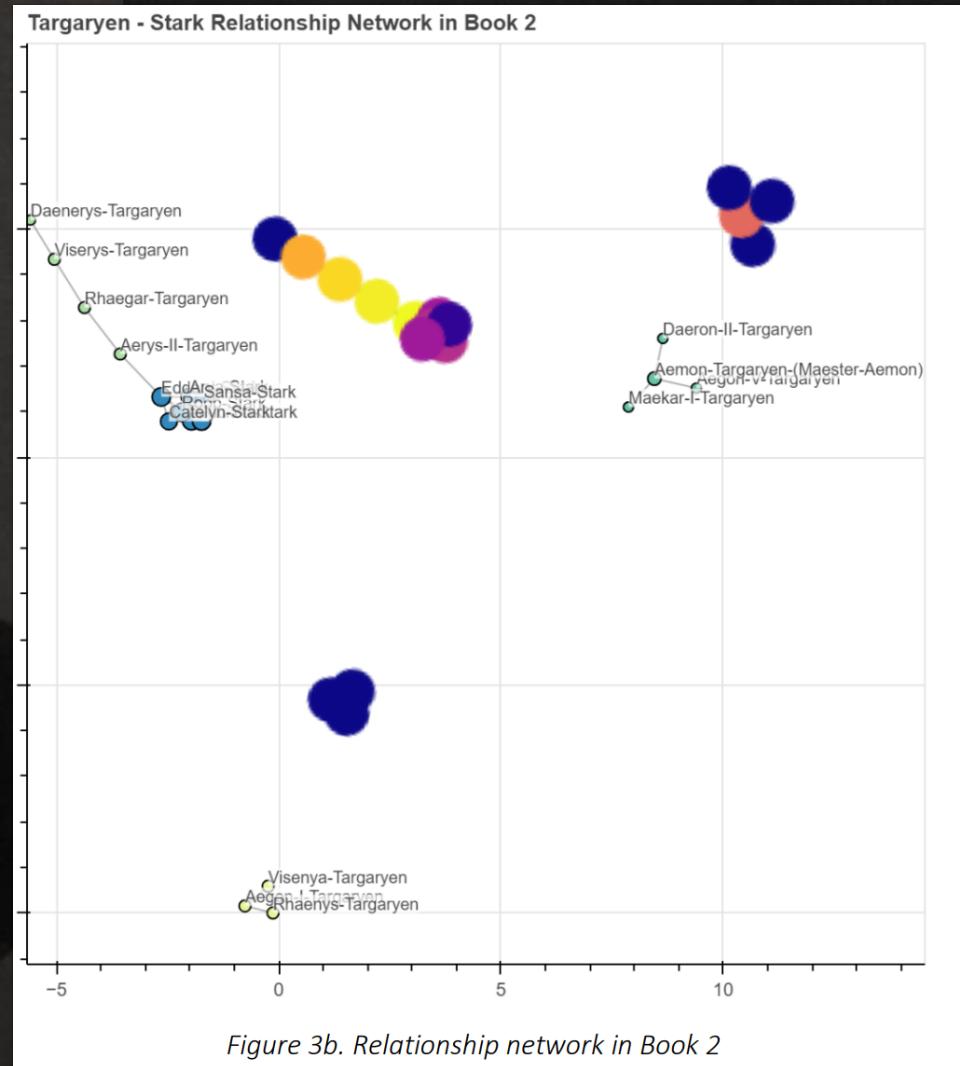
What happens in Book 1?

- ❖ Book 1
 - ❖ Characters are related to each other
 - ❖ 64% clustering coefficient
 - ❖ Community formation in each family
 - ❖ Eddard-Stark is influential based on all centralities
 - ❖ Heterophily



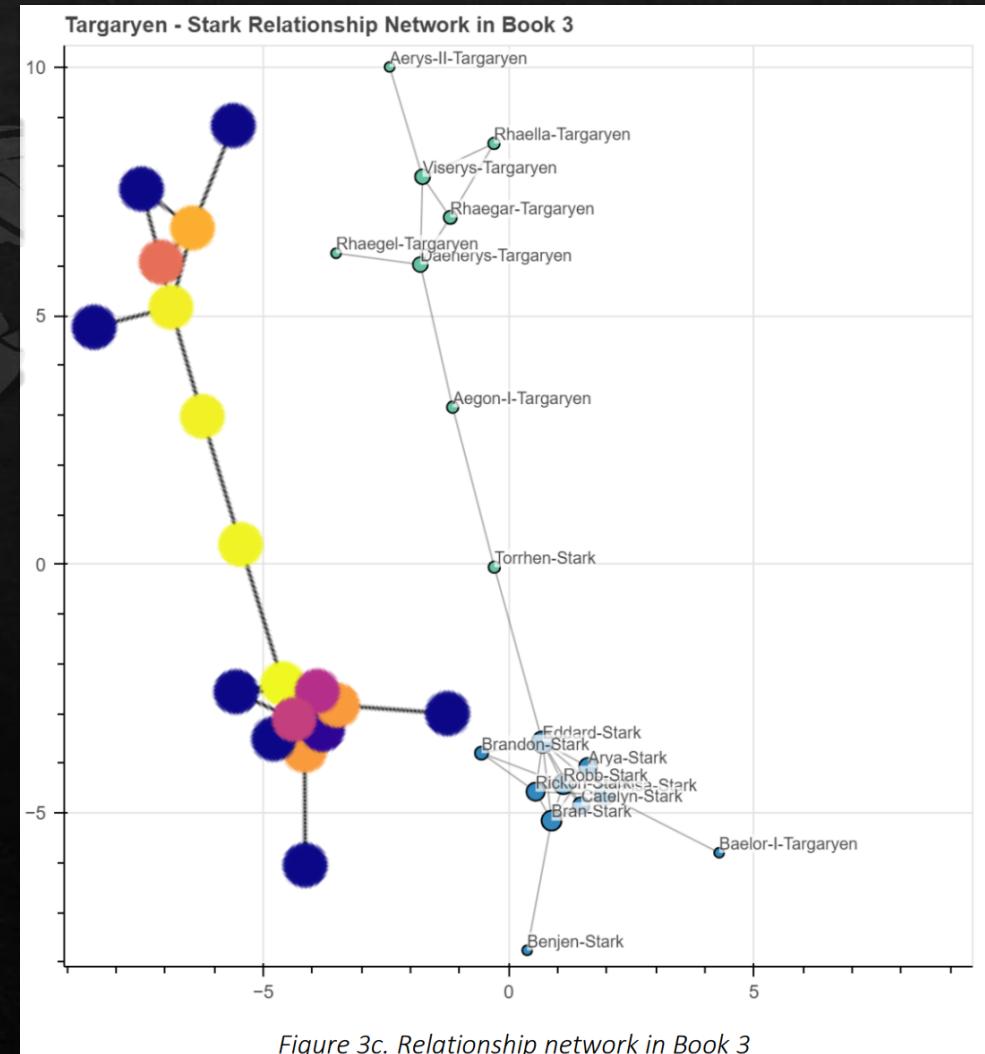
What happens in Book 2

- ❖ Book 2
 - ❖ Relationship worsens between families
 - ❖ Targaryen's into 3 total communities
 - ❖ More members (nodes), less relationships (edges) than Book 1
 - ❖ 49% clustering coefficient
 - ❖ Homophily forming due to separation
 - ❖ Eddard Stark remains influential but 2 Targaryen become influential in Stark-Targaryen Community based on Betweenness and Degree centralities



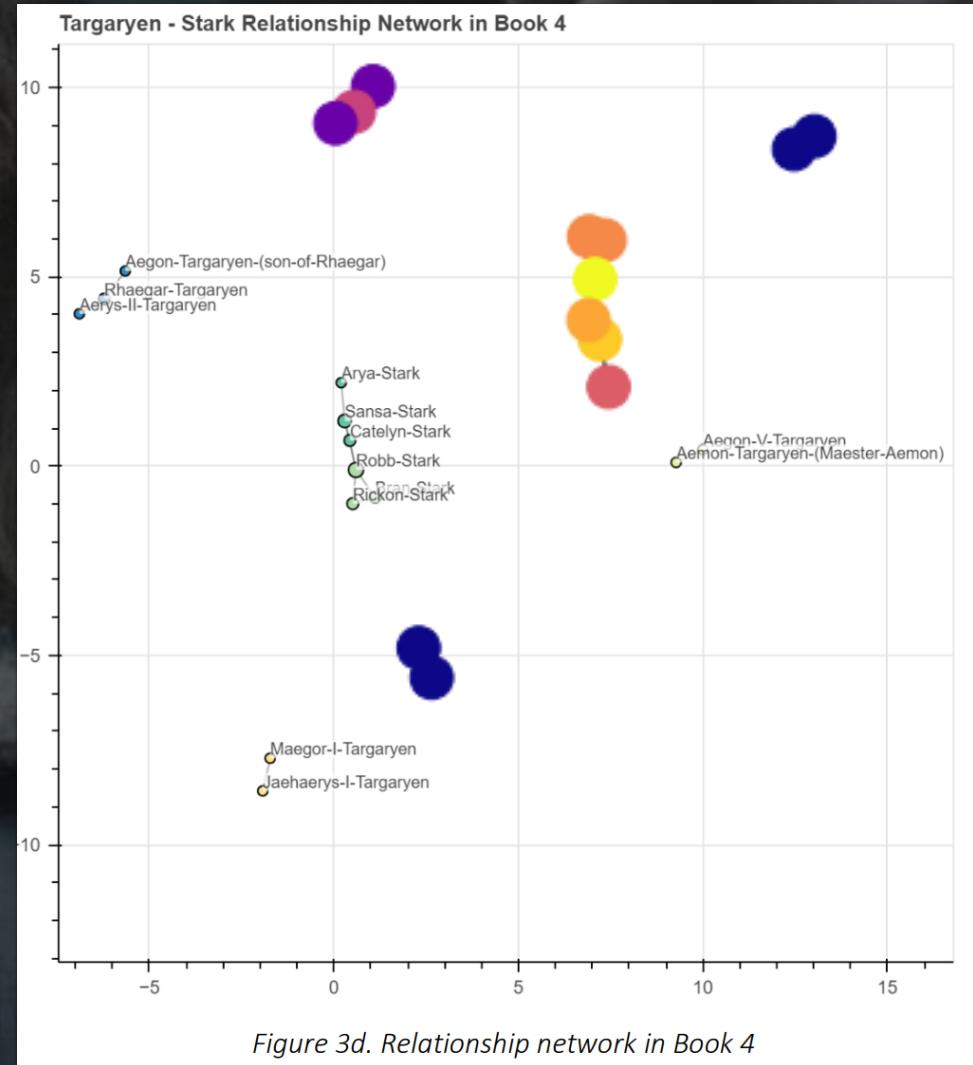
What happens in Book 3

- ❖ Book 3
 - ❖ Some characters replaced and switched between families
 - ❖ Relationship improves slightly
 - ❖ Targaryen's are reunited
 - ❖ Number of relationships improved
 - ❖ Decrease in clustering coefficient 49% to 47.6%
 - ❖ Developing Heterophily
 - ❖ Eddard Stark is the most influential
 - ❖ 3 more characters that play influential roles based on centralities



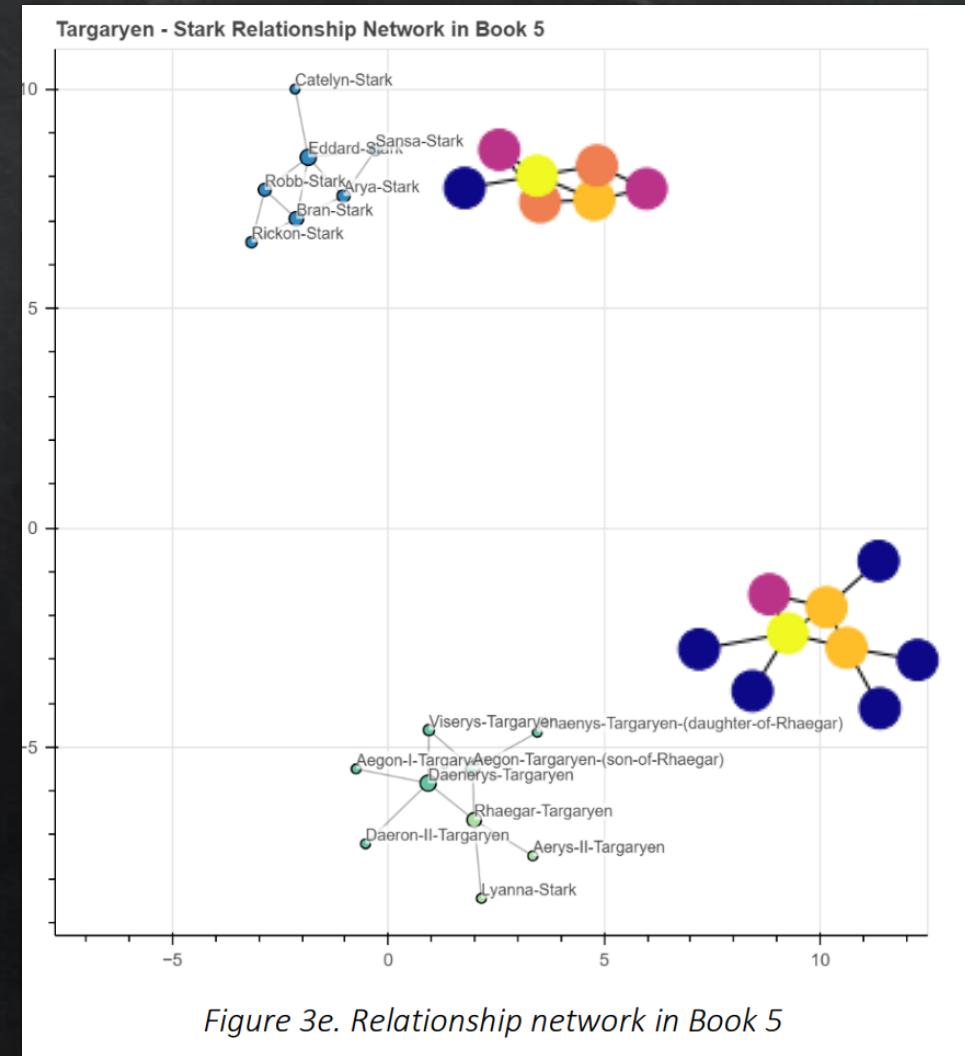
What happens in Book 4

- ❖ Book 4
 - ❖ Separation of Stark - Targaryen relationship & Targaryen family
 - ❖ Number of relationship decrease from Book 3
 - ❖ Clustering coefficient is even lower than other books (28%)
 - ❖ Eddard Stark is missing
 - ❖ Robb and Sansa Stark becomes influential in their community based on centrality measures (Betweenness and Degree)

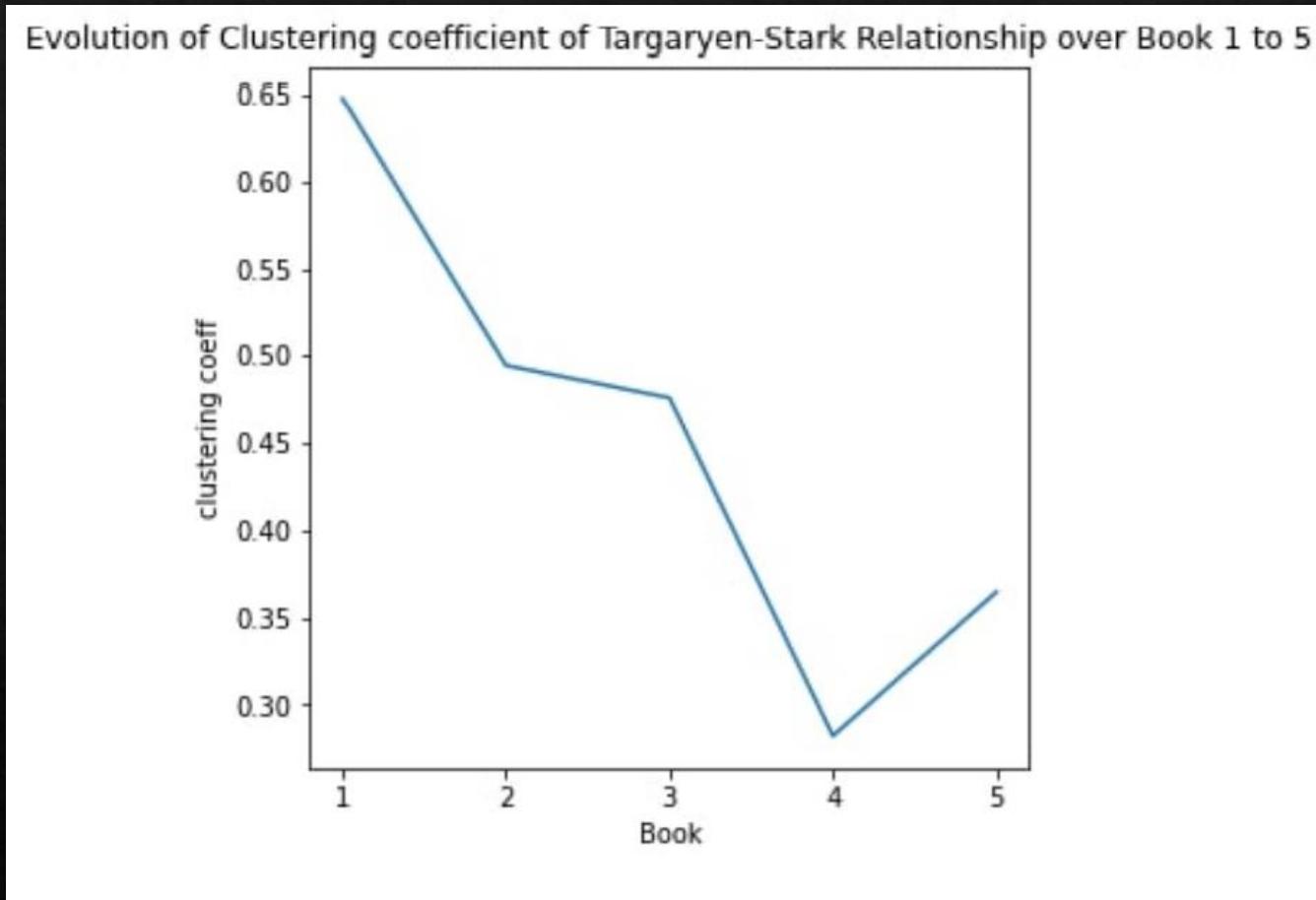


What happens in Book 5

- ❖ Book 5
 - ❖ Targaryen reunited, characters merge with own family
 - ❖ Numbers of relationships increase, clustering coefficient increases
 - ❖ Reunion with other members leads to Heterophily
 - ❖ Reappearance of Eddard Stark, makes him influential again in Stark family
 - ❖ Daenerys and 2 more Targaryen play influential role in Targaryen community



Evolution of Targaryen-Stark Relationship from Book 1 to 5



Conclusion

- ❖ Eddard Stark plays a crucial role between families
- ❖ Eddard's disappearance in Book 4 leads to separation
- ❖ Relationship between families change in each Book 1
- ❖ Multiple attempts to build strong ties (Book 1 and 3), but various events such as battles and replacements worsens ties and network
- ❖ Changes in relationship within each family affects entire relationship between each family (Book 4 - Targaryen split apart)
- ❖ Finally, there is no Targaryen-Stark relationship