

# Netzwerkanalyse mit Cytoscape

Kai, Stefan und Stephan

VL Systembiologie

02/08/12

# Outline

- 1 Introduction
- 2 Code
- 3 Results
- 4 Conclusion
- 5 Resources

# Outline

1 Introduction

2 Code

3 Results

4 Conclusion

5 Resources

...why should we care about glycolysis and gluconeogeneses

...how are the topological indices defined?

# Outline

- 1 Introduction
- 2 Code
- 3 Results
- 4 Conclusion
- 5 Resources

... Plugin 1 + explanation of code

... Plugin 2 + explanations of code



# Outline

1 Introduction

2 Code

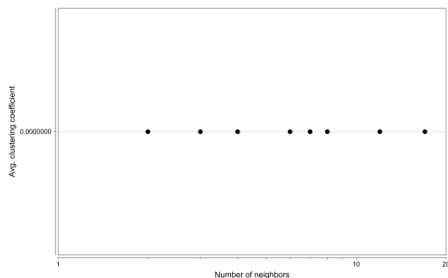
3 Results

4 Conclusion

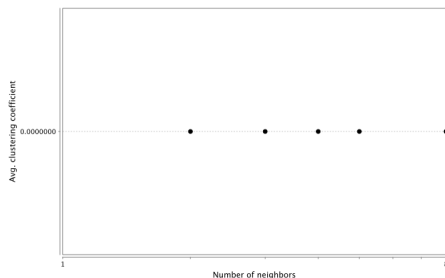
5 Resources

# Results I

... give example results from network 1 and network2



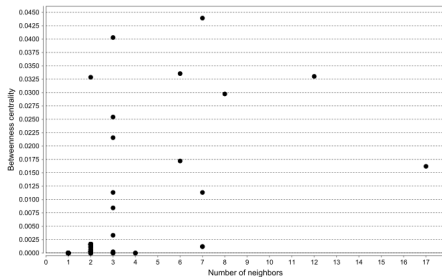
(a) Glyco1



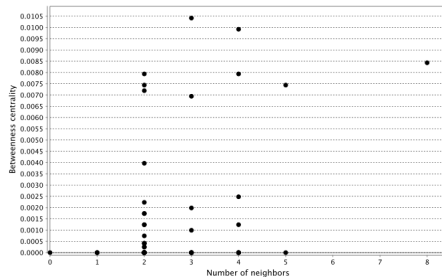
(b) Glyco2

Fig. 1: Average Clustering Coefficient Centrality

# Results II



(a) Glyco1



(b) Glyco2

Fig. 2: Betweenness Centrality

... to our groups results

# Outline

- 1 Introduction
- 2 Code
- 3 Results
- 4 Conclusion**
- 5 Resources

...benefits of cytoscape compared to the other tools?

# Outline

- 1 Introduction
- 2 Code
- 3 Results
- 4 Conclusion
- 5 Resources**

...Where to find the plugins and how to build them