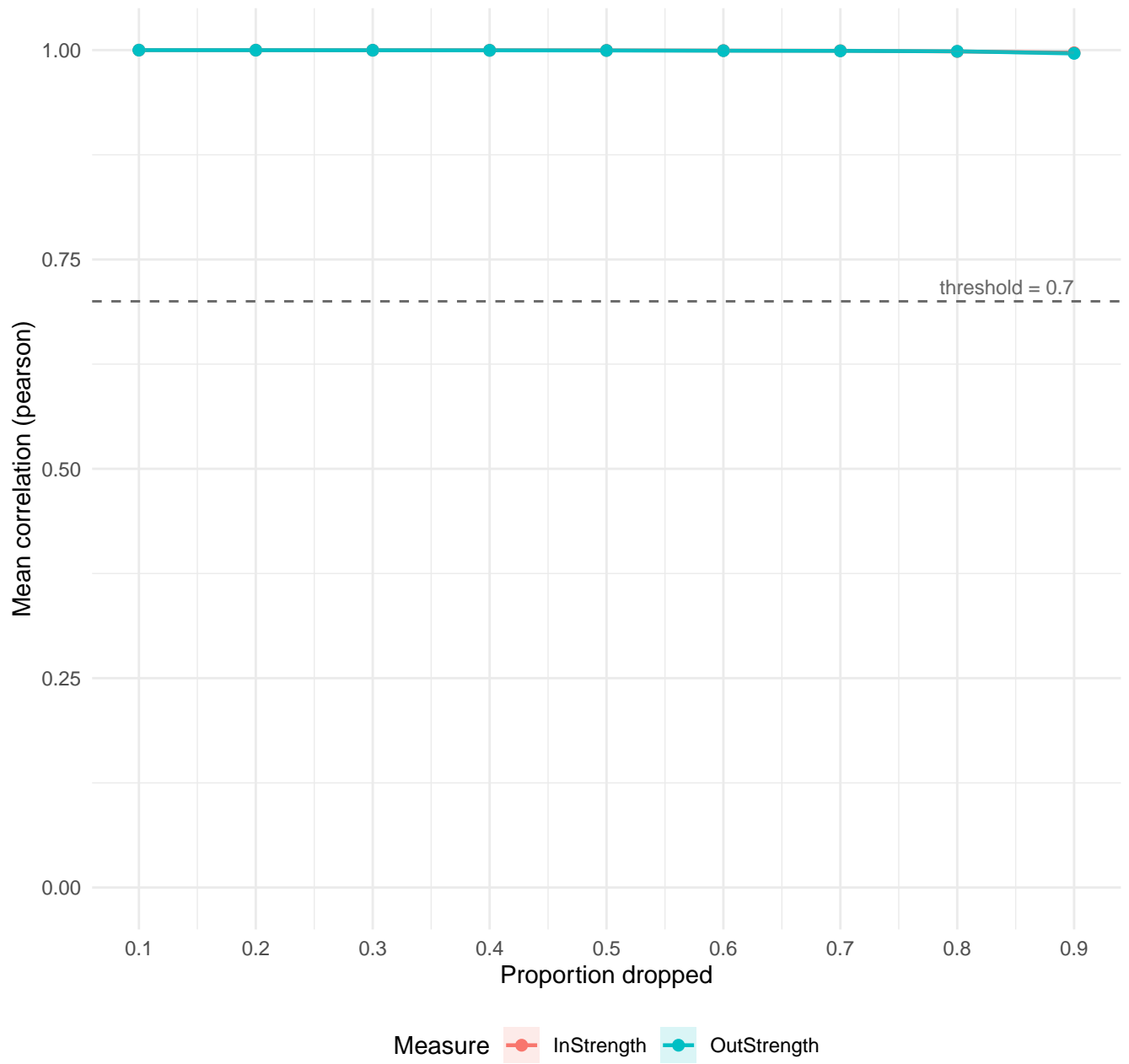
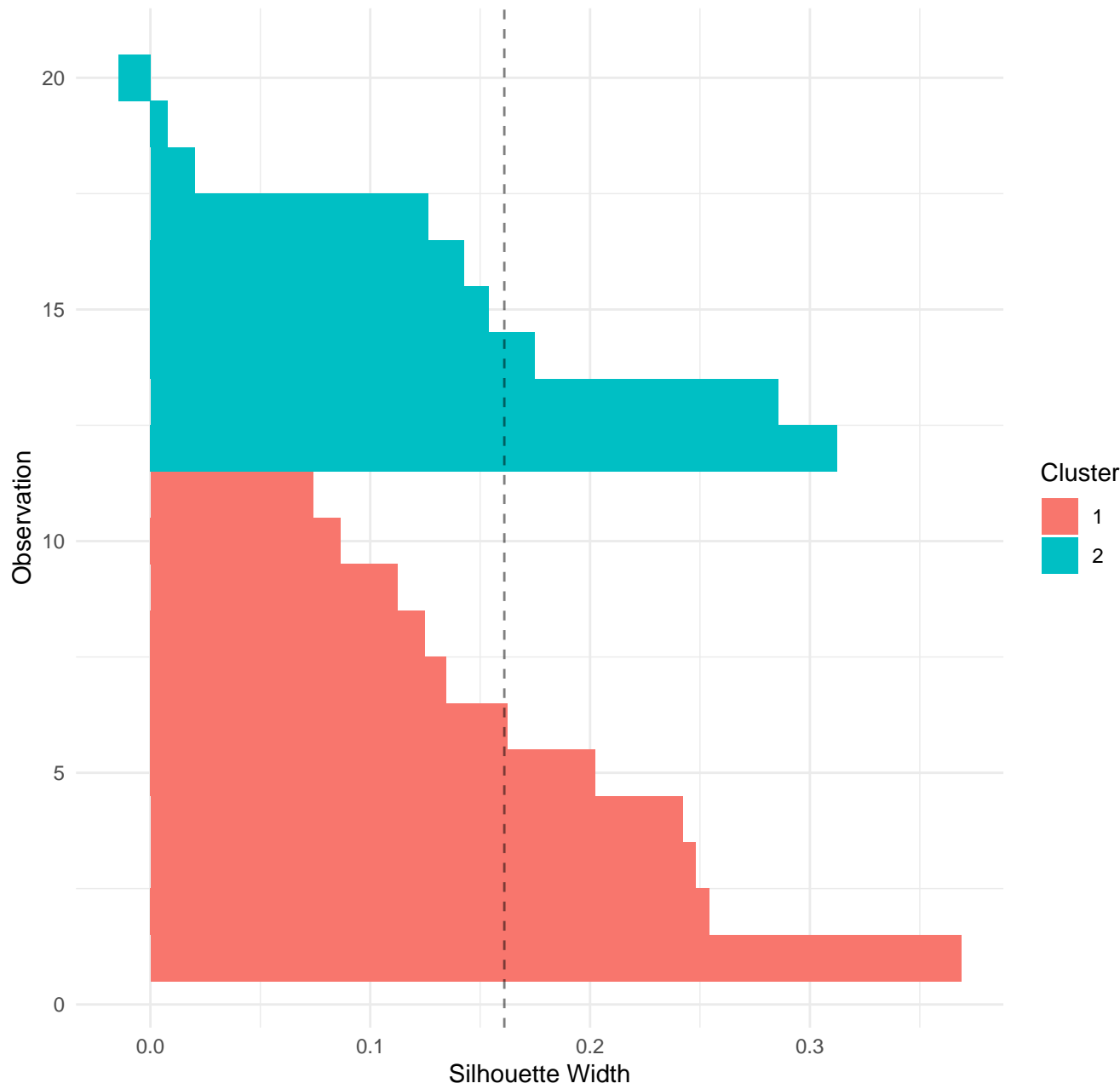


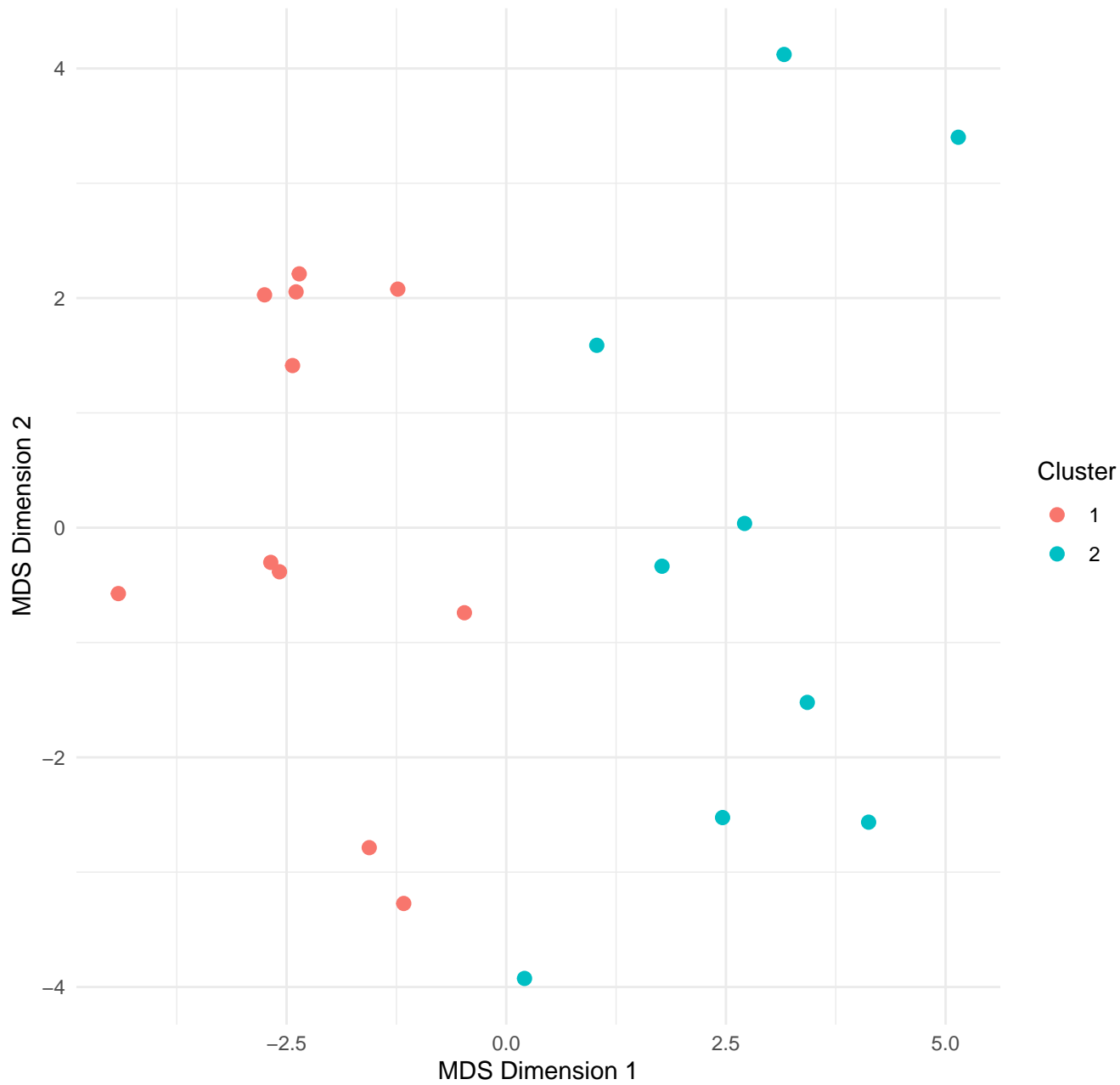
# Centrality Stability



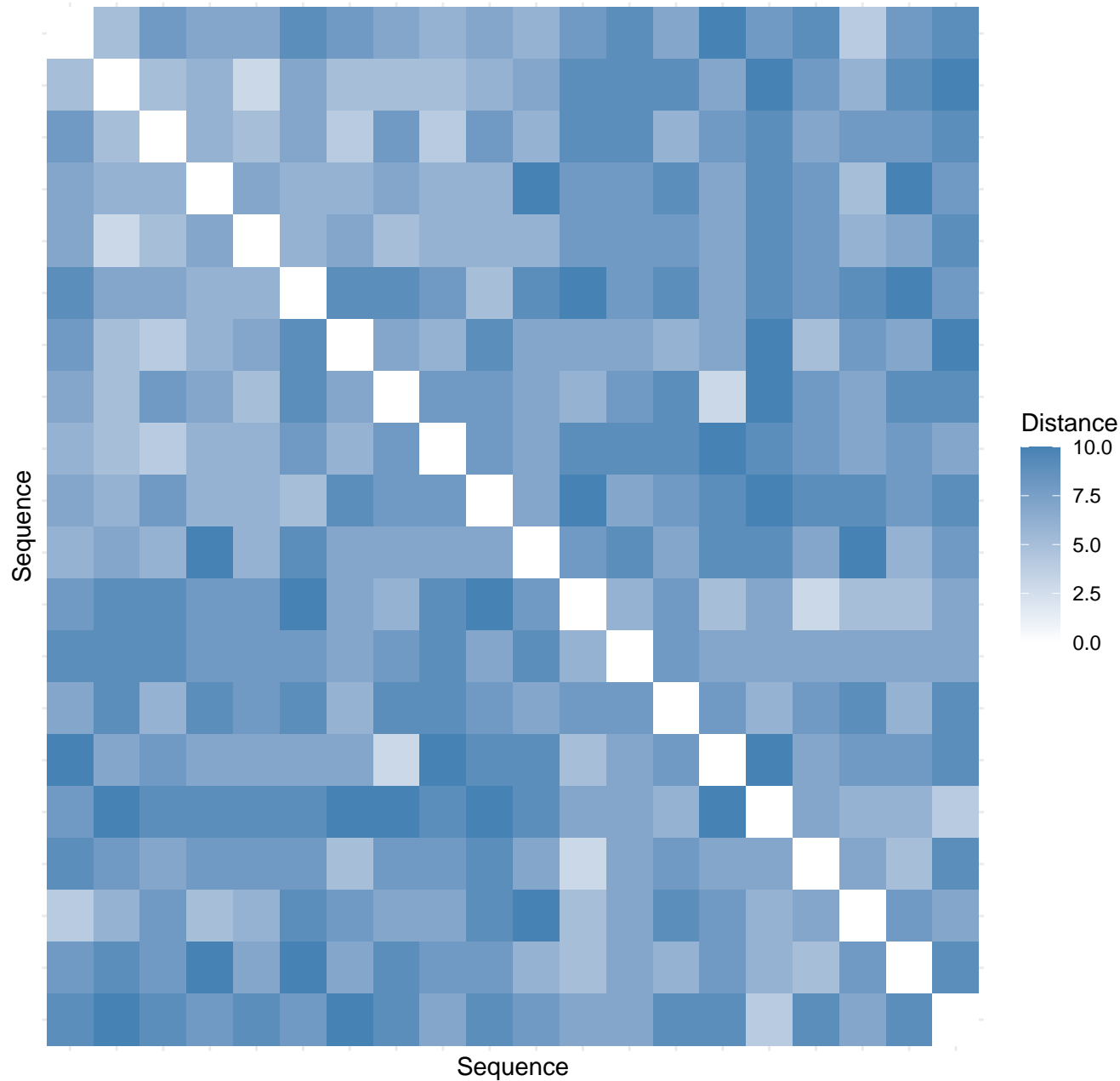
Silhouette Plot (avg = 0.161)



MDS Projection (k = 2)



Distance Matrix (ordered by cluster)



# Covariate Effects on Cluster Membership (ref: Cluster 1)

cluster: 2

cluster: 3

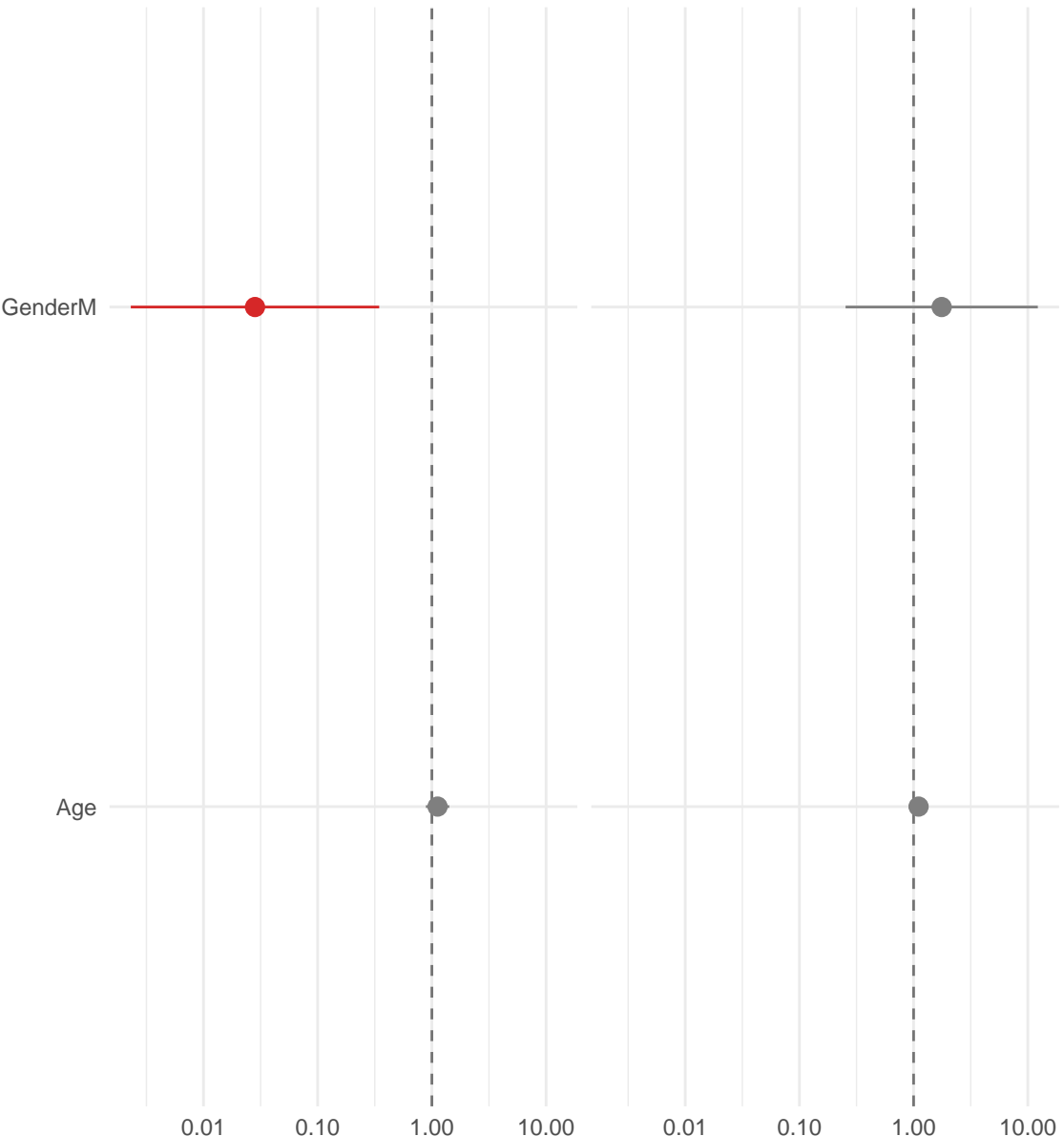
GenderM

Age

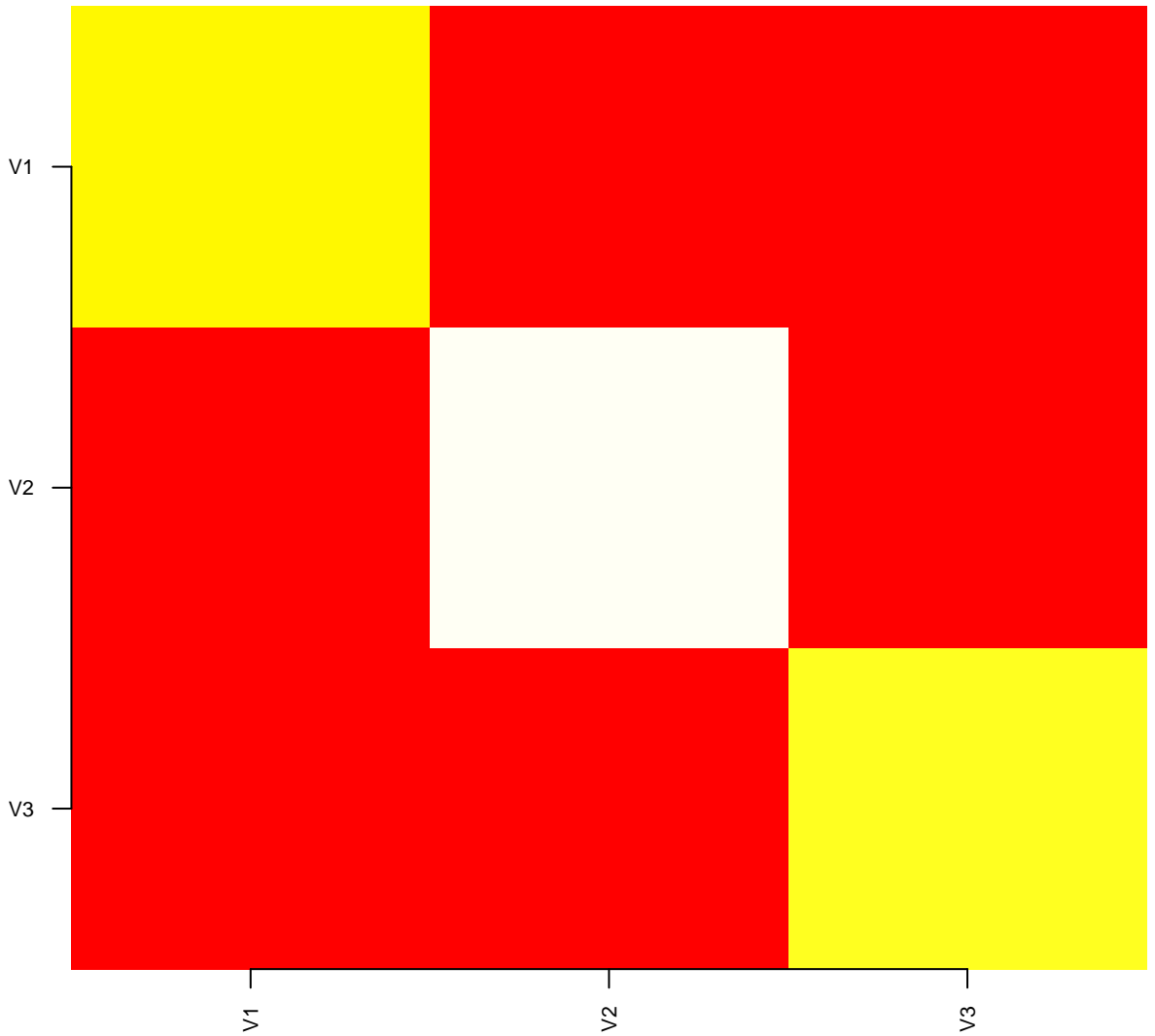
● n.s.  
● p < 0.05

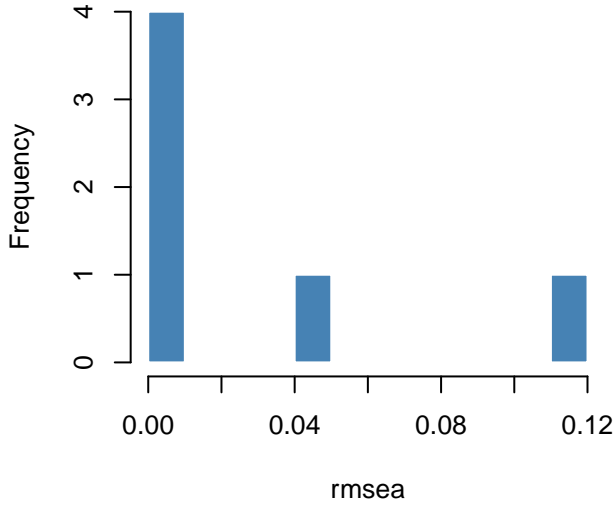
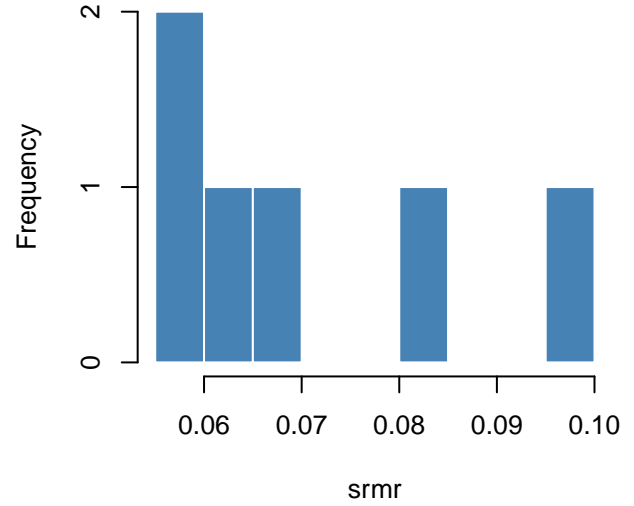
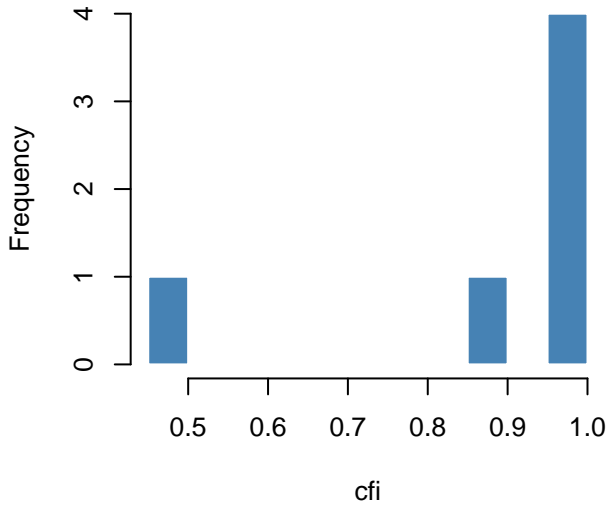
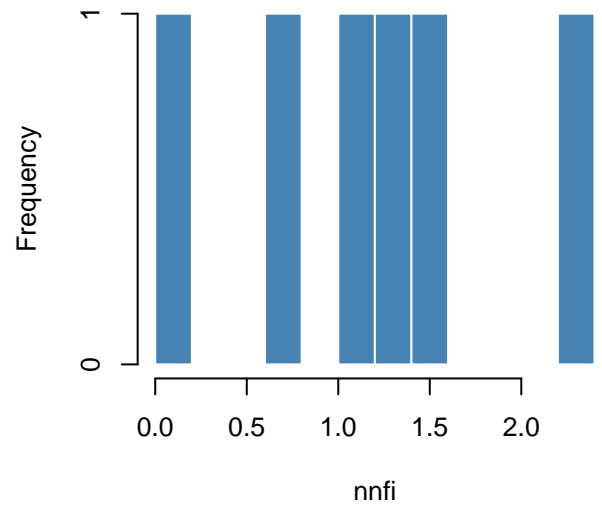
0.01 0.10 1.00 10.00 0.01 0.10 1.00 10.00

Odds Ratio (log scale)

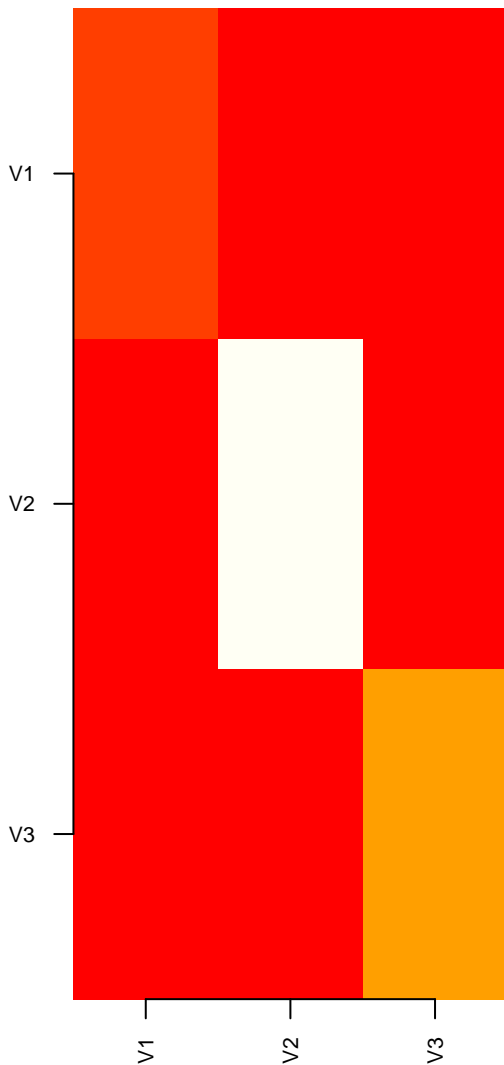


# Group Temporal Network

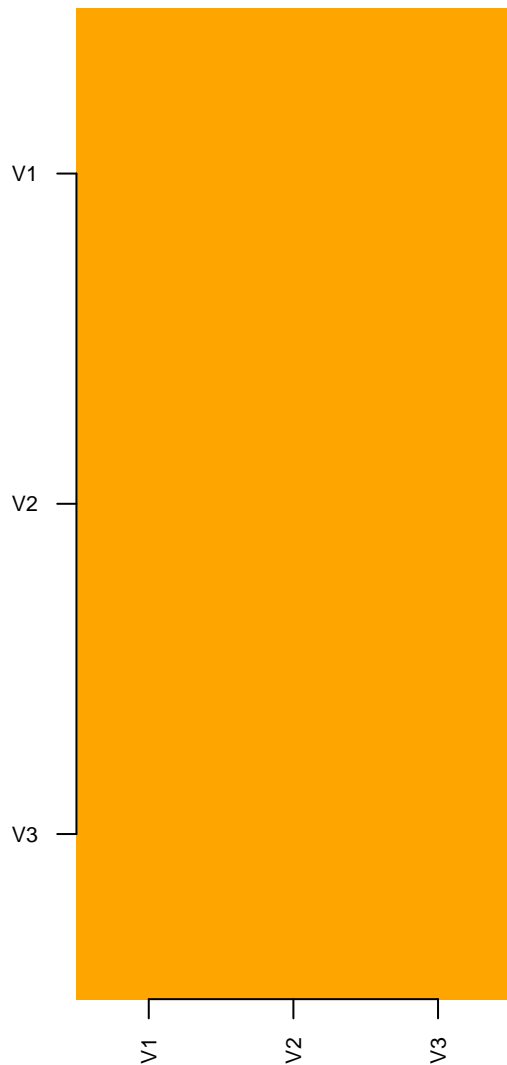


**RMSEA****SRMR****CFI****NNFI**

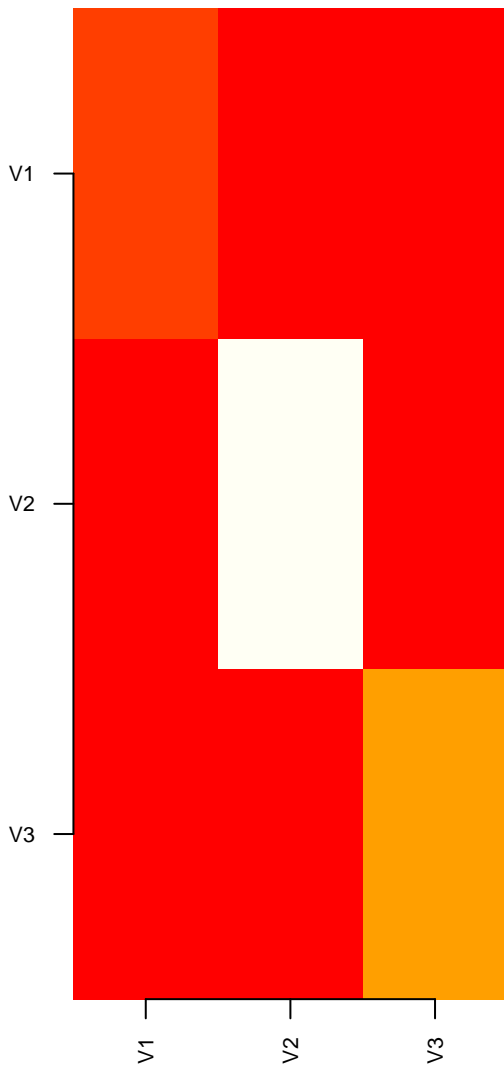
**1 -- Temporal**



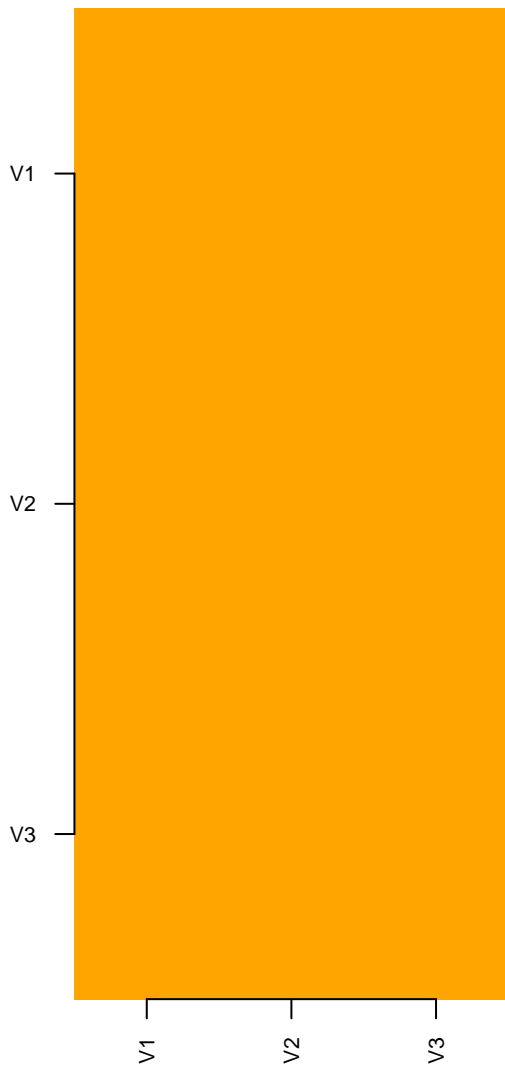
**1 -- Contemporaneous**



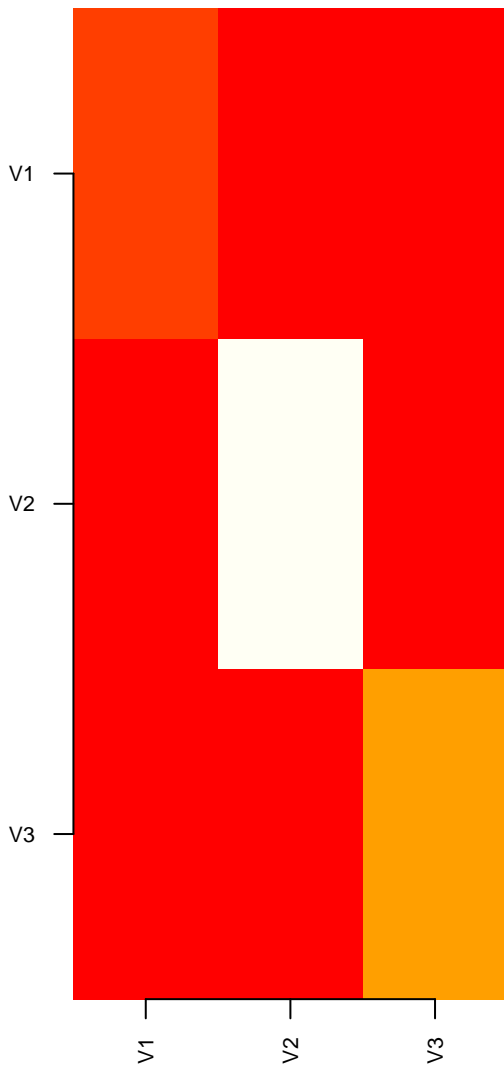
**1 -- Temporal**



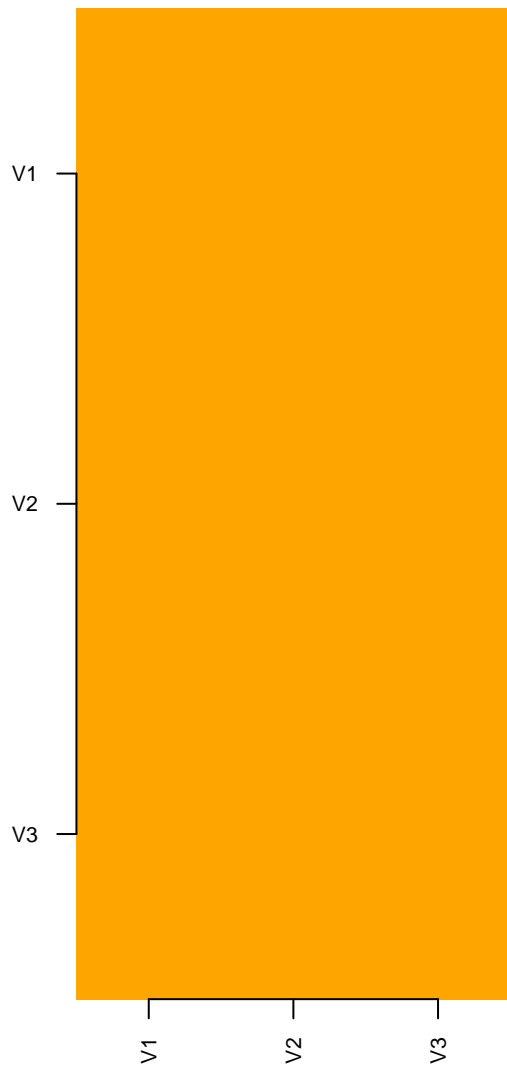
**1 -- Contemporaneous**



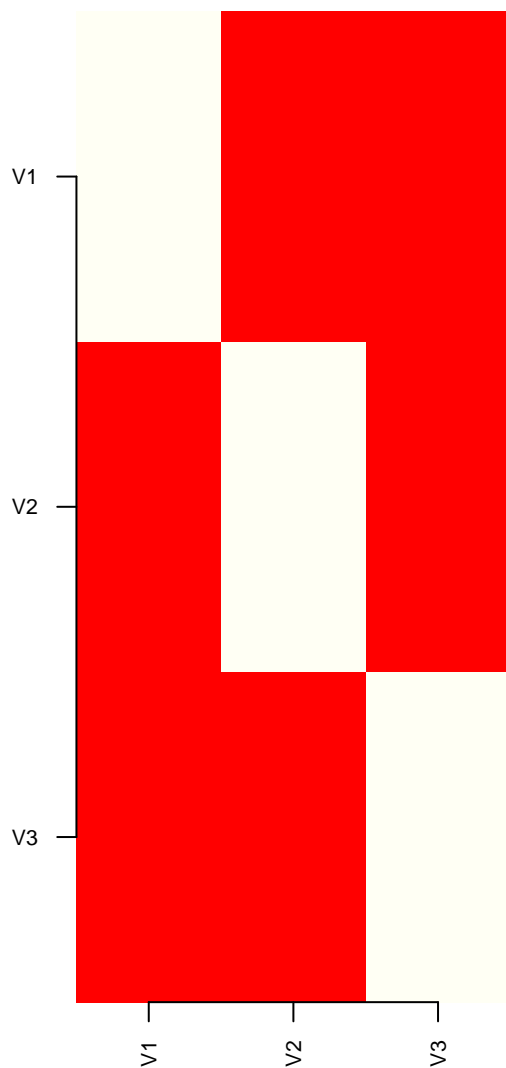
**1 -- Temporal**



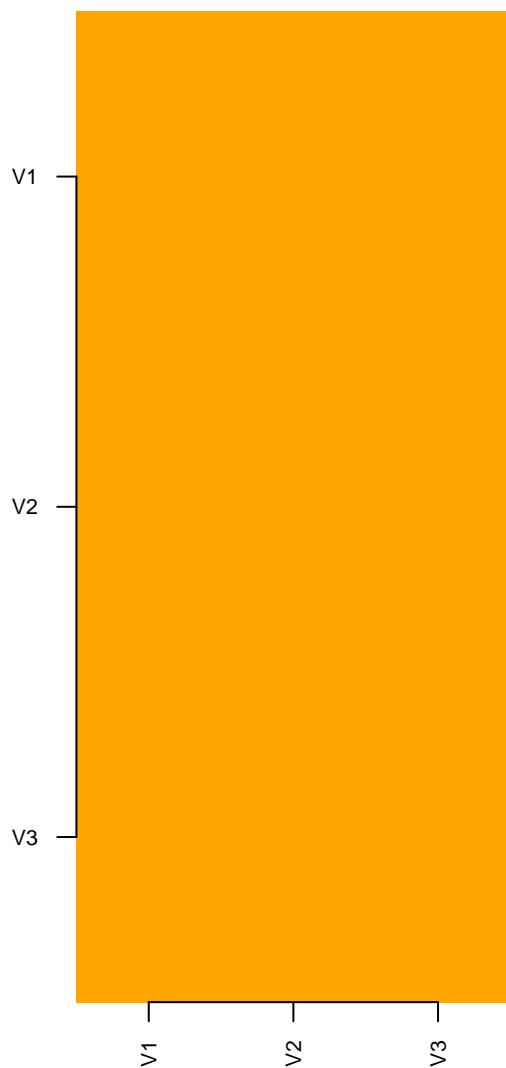
**1 -- Contemporaneous**



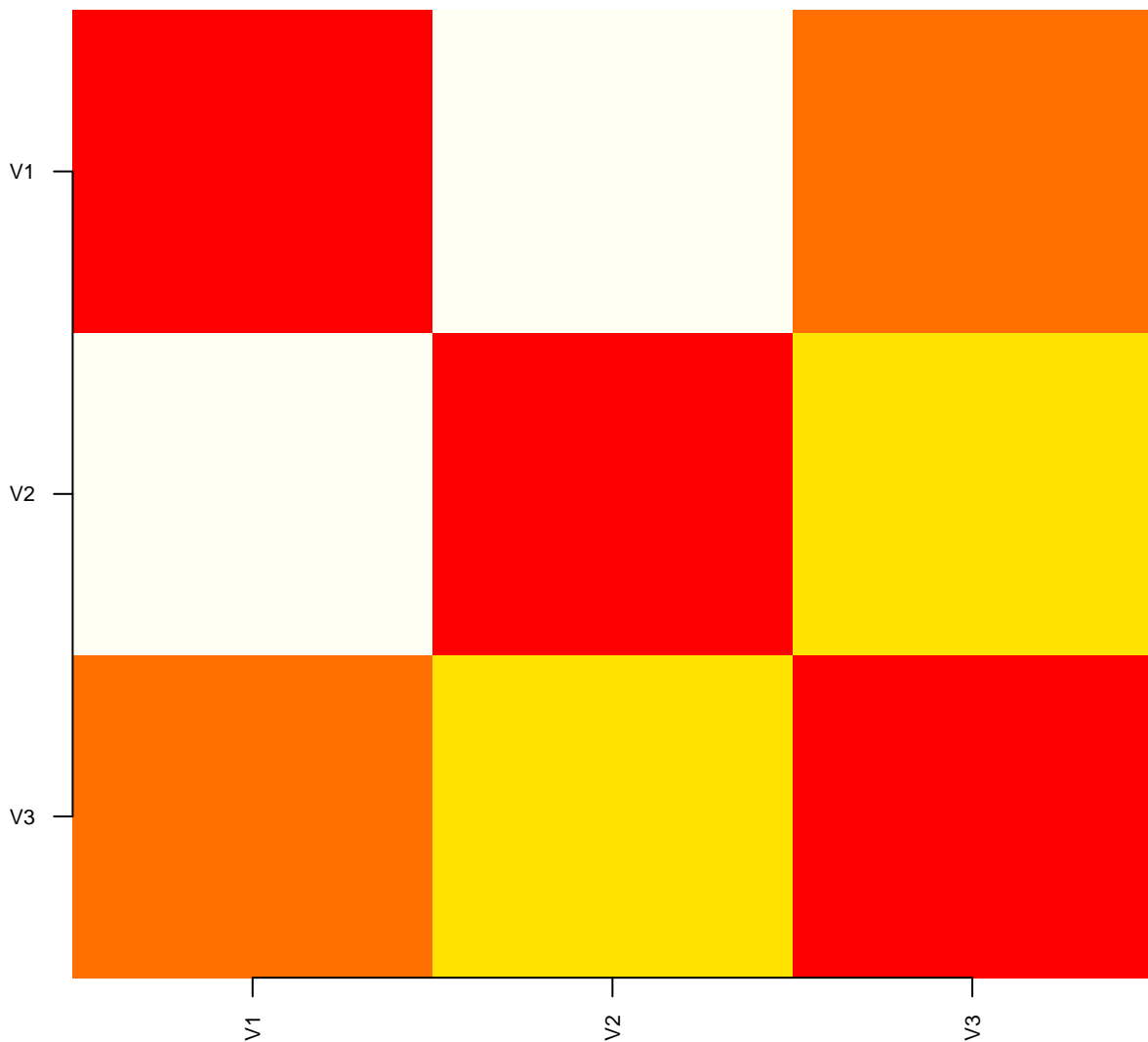
### Temporal Path Counts

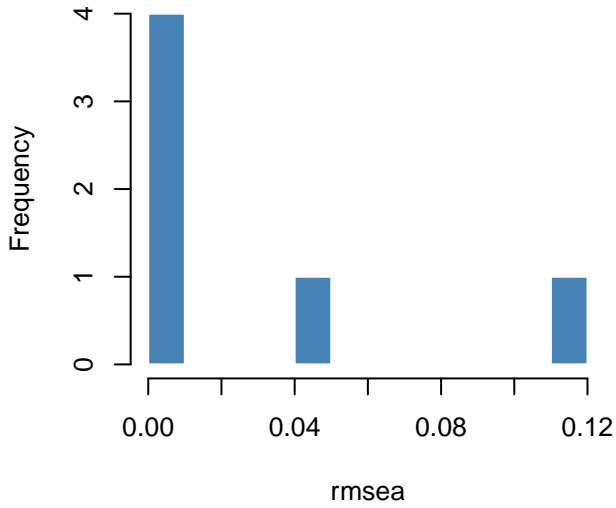
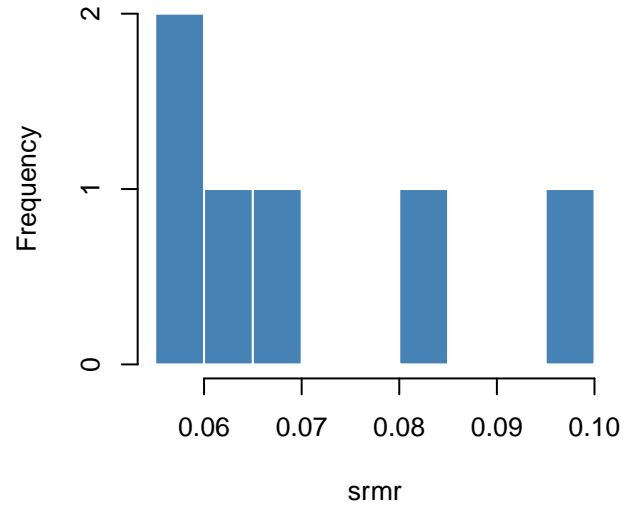
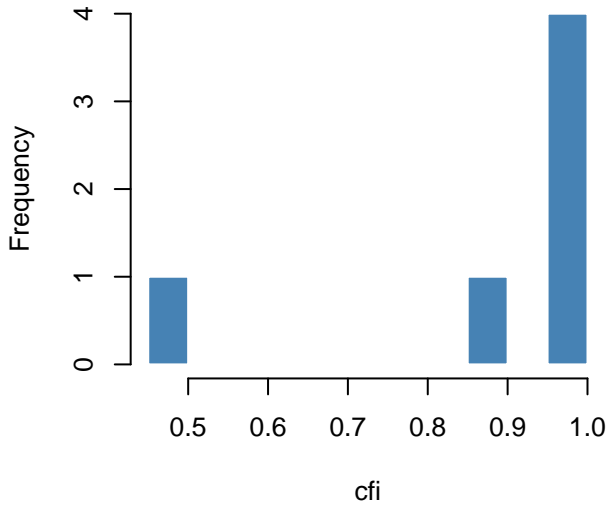


### Contemporaneous Path Counts

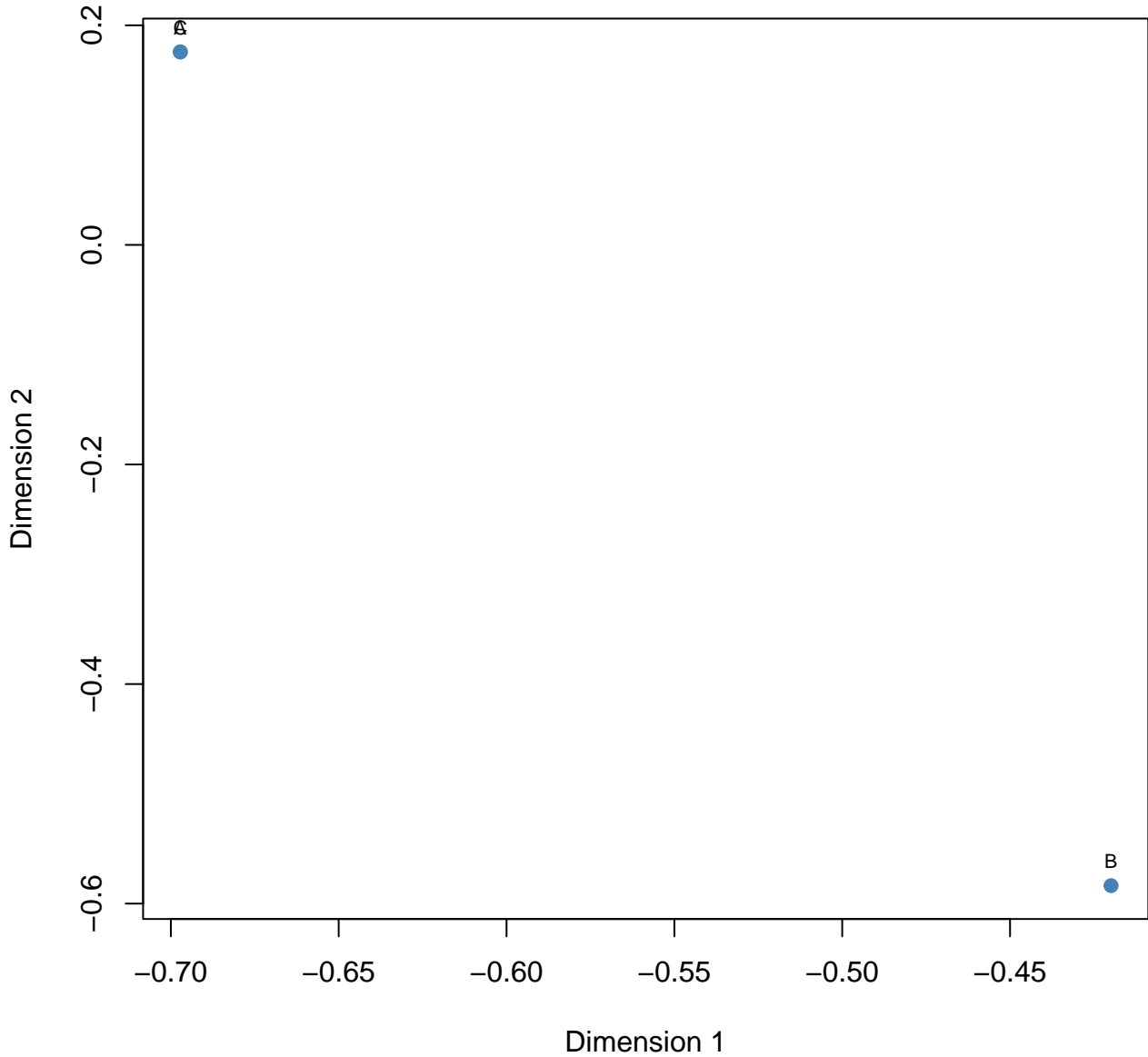


# Test Matrix



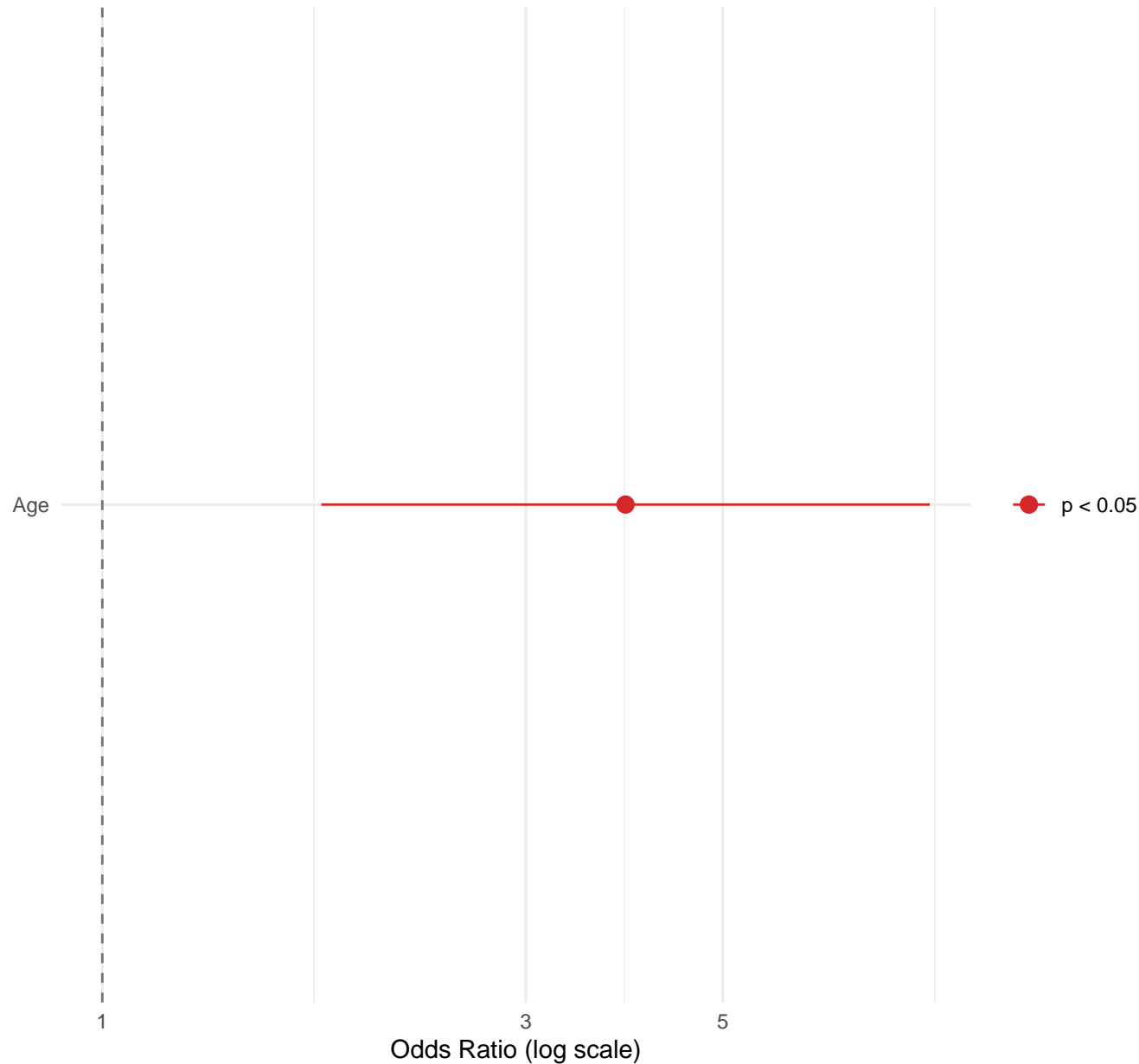
**RMSEA****SRMR****CFI**

# HONEM Embedding (3 nodes, 100% var)

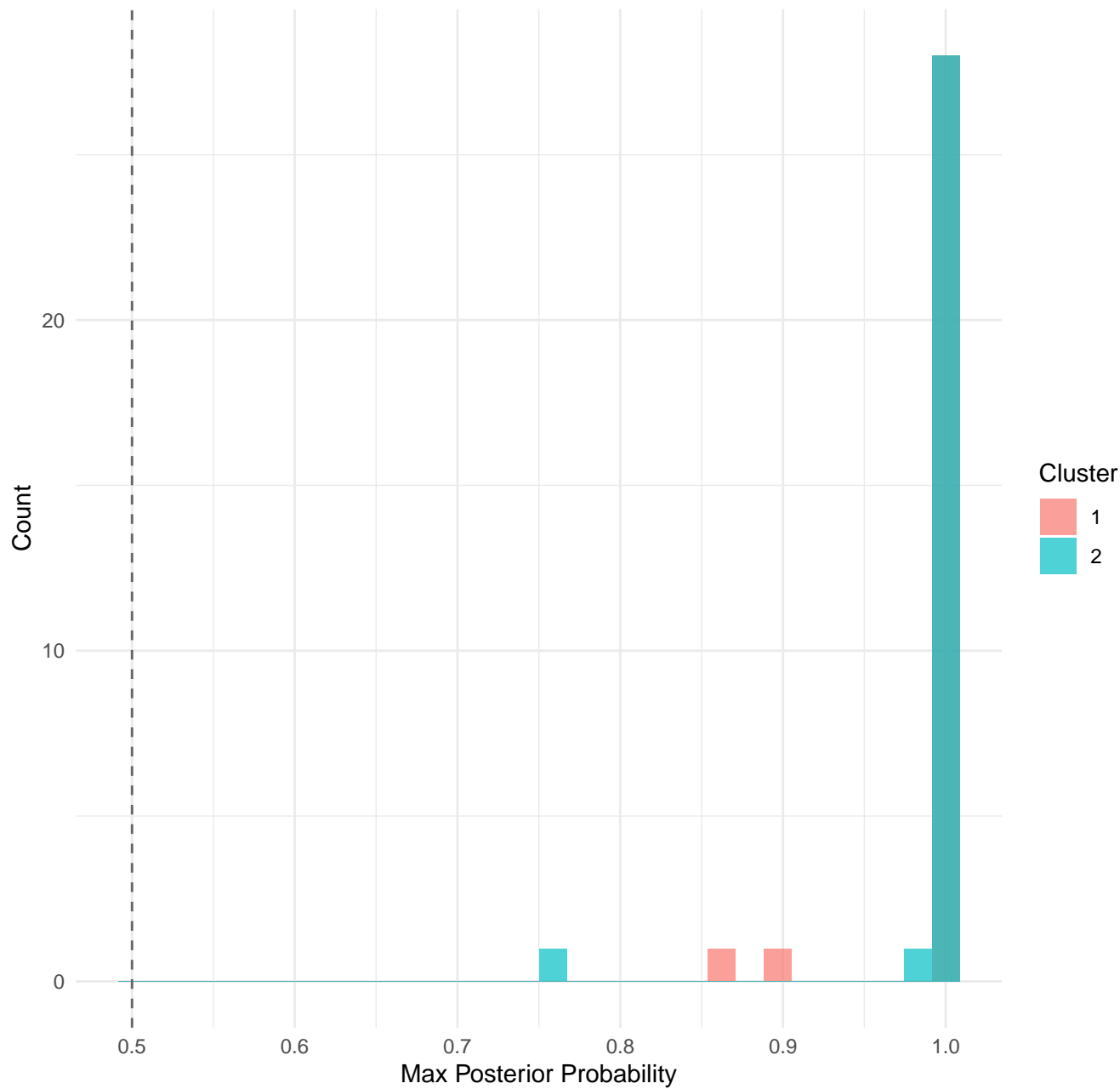


# Covariate Effects (ref: Cluster 1)

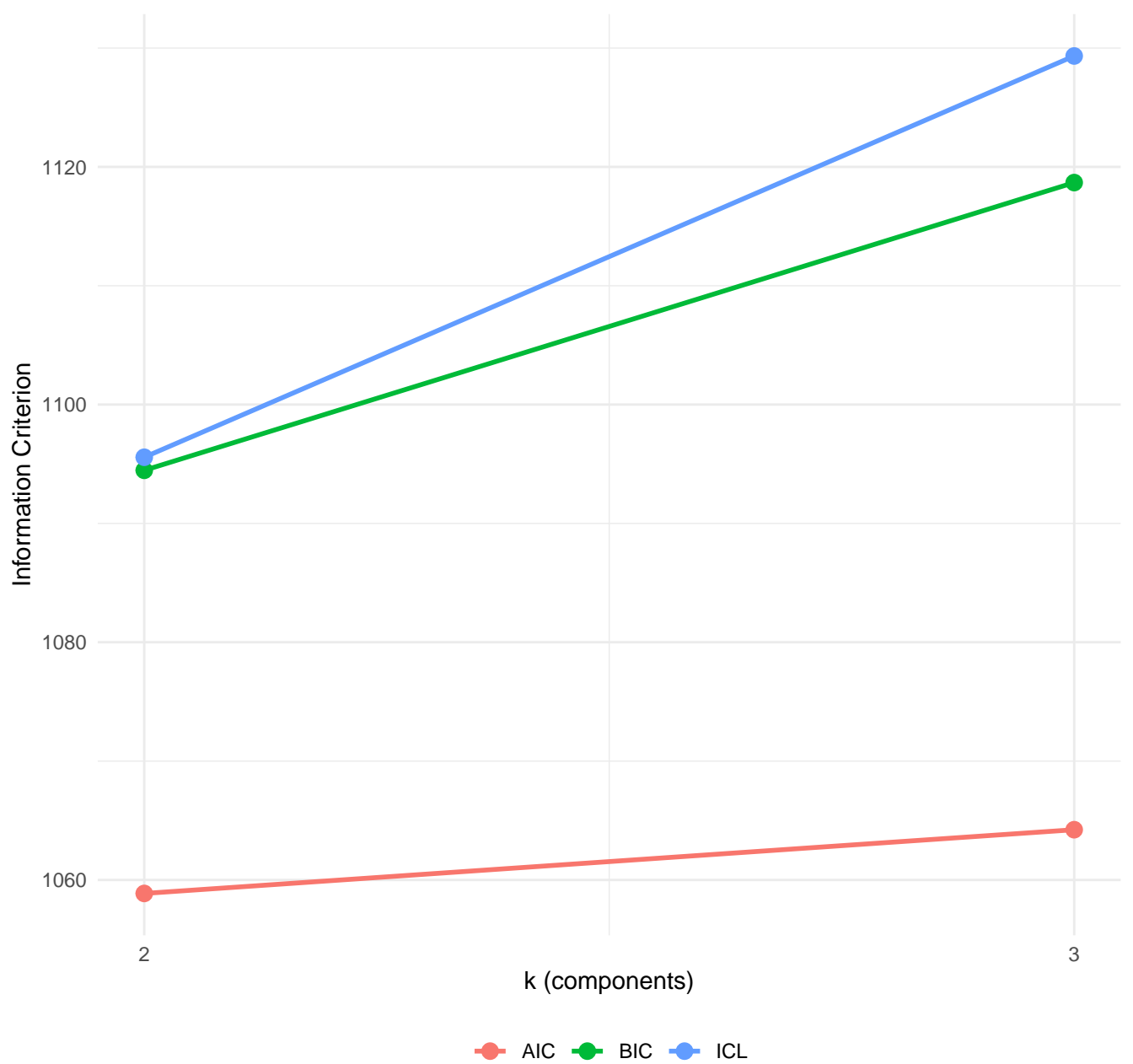
cluster: 2



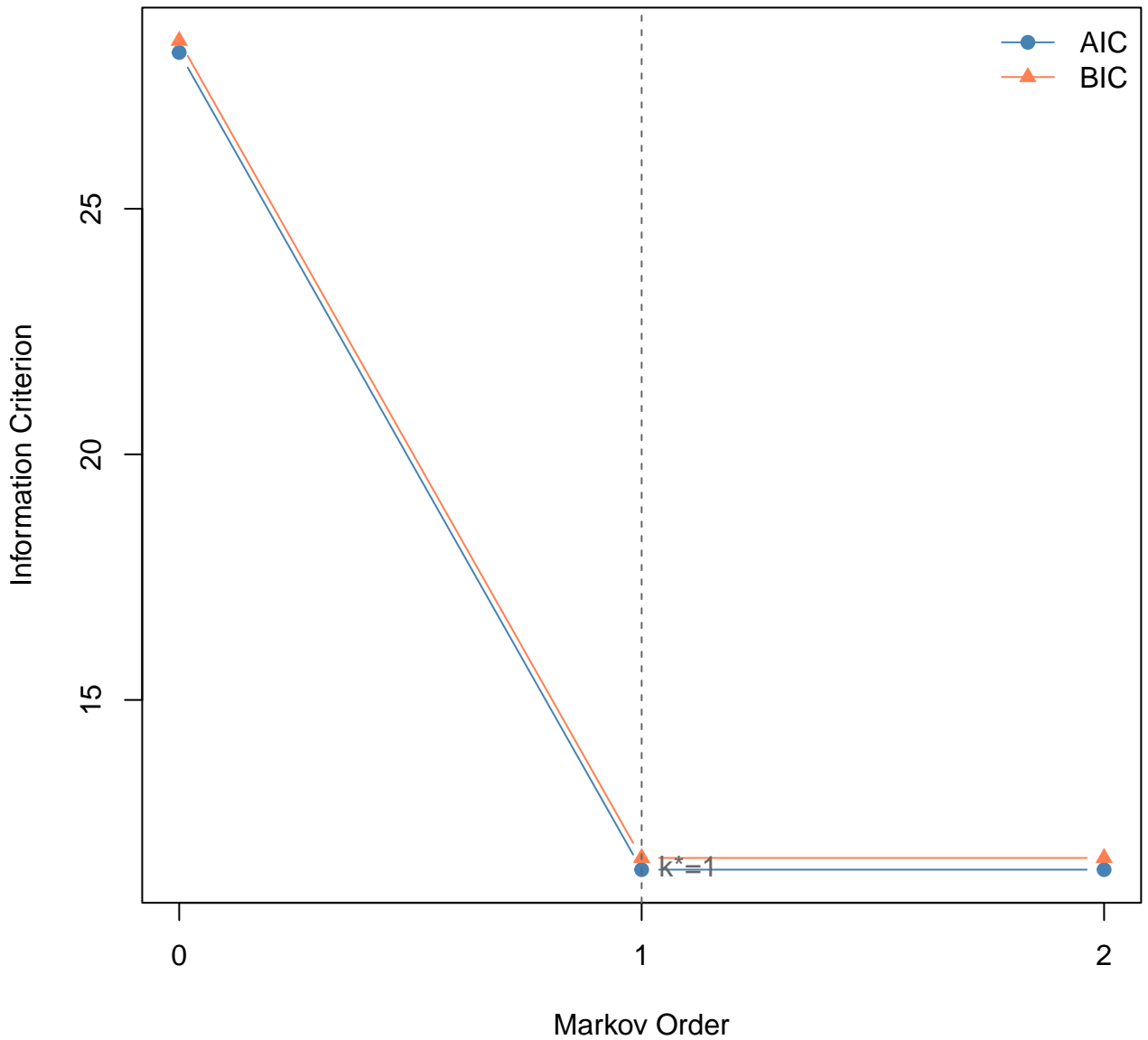
# Classification Certainty



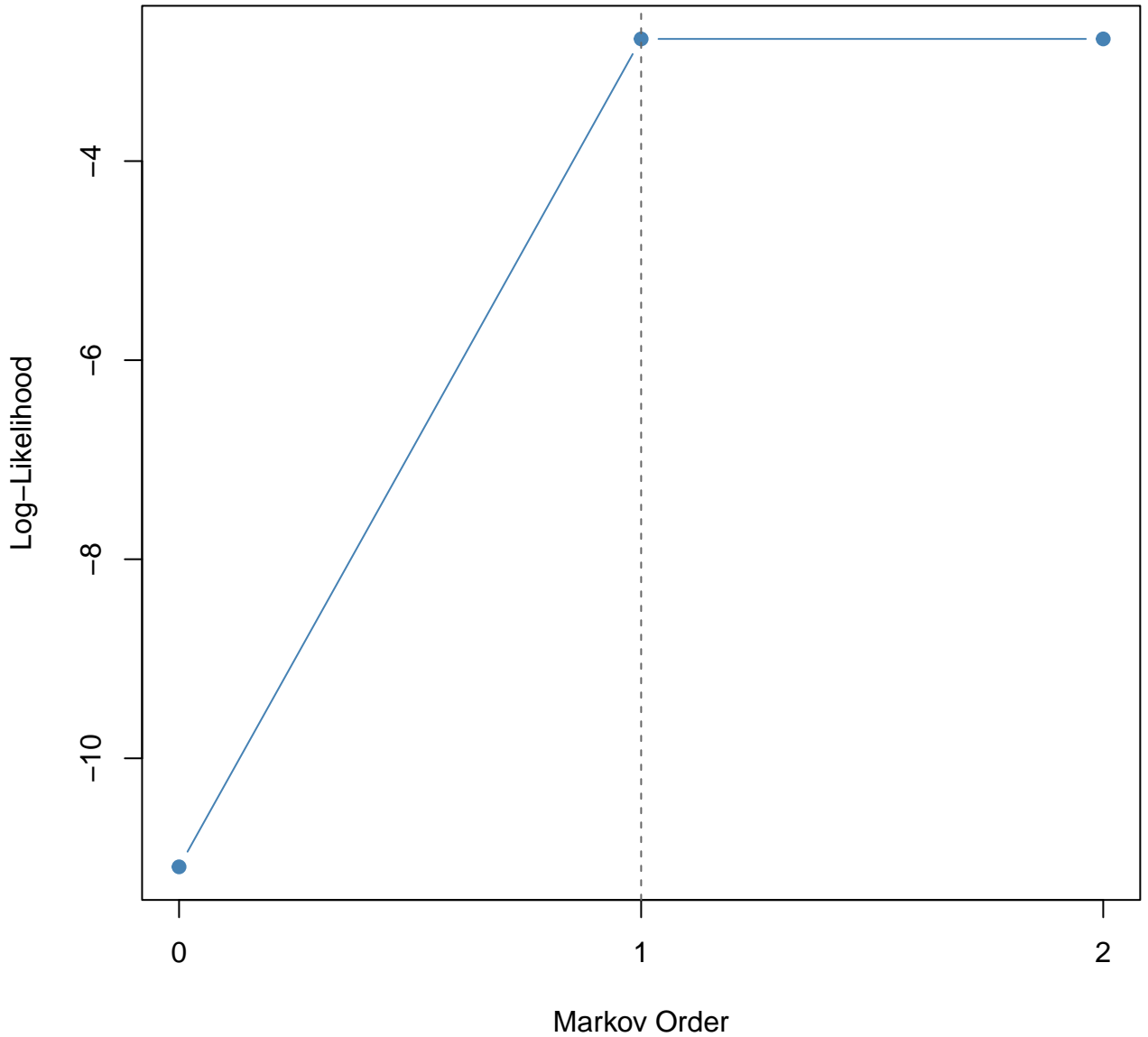
# MMM Model Selection



# MOGen: Order Selection

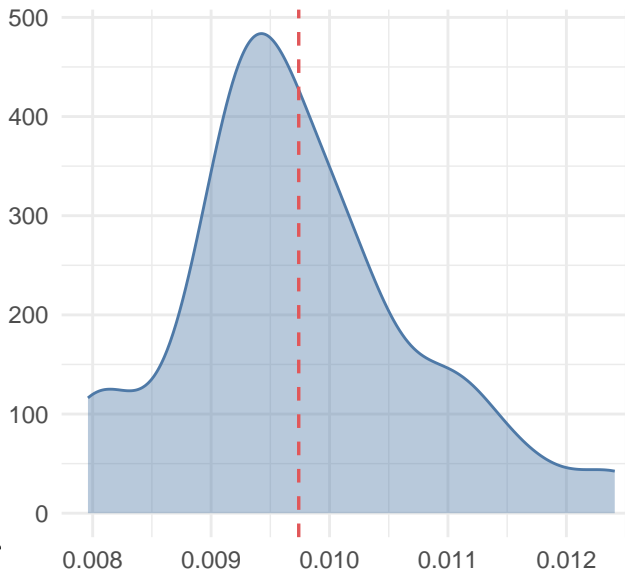


# MOGen: Log-Likelihood by Order

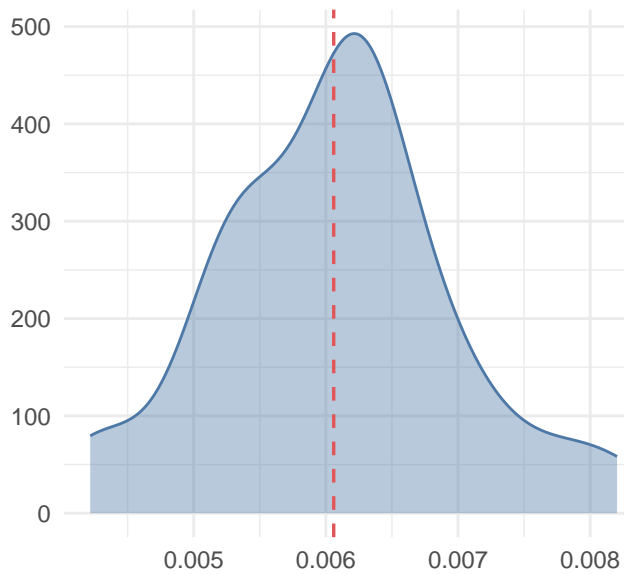


# Split-Half Reliability

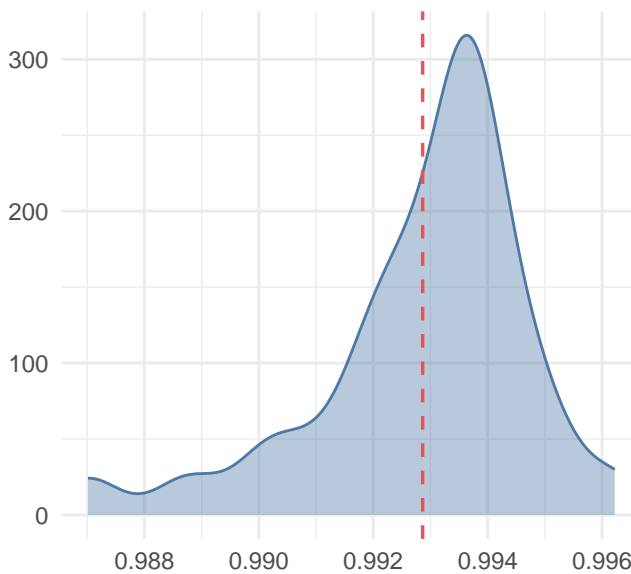
Mean Abs. Dev.



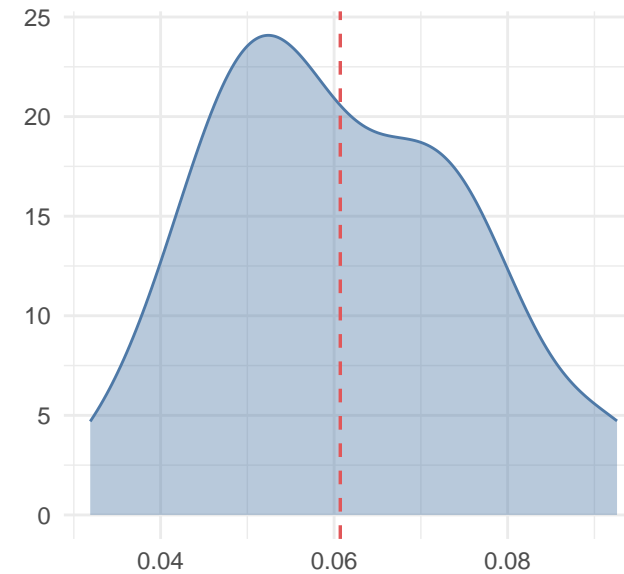
Median Abs. Dev.



Correlation



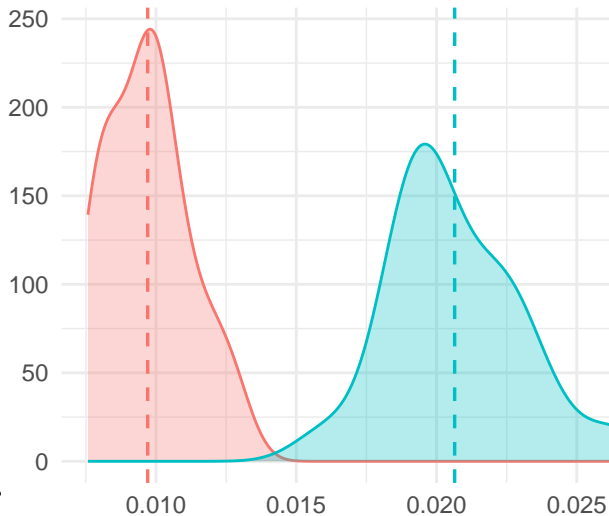
Max Abs. Dev.



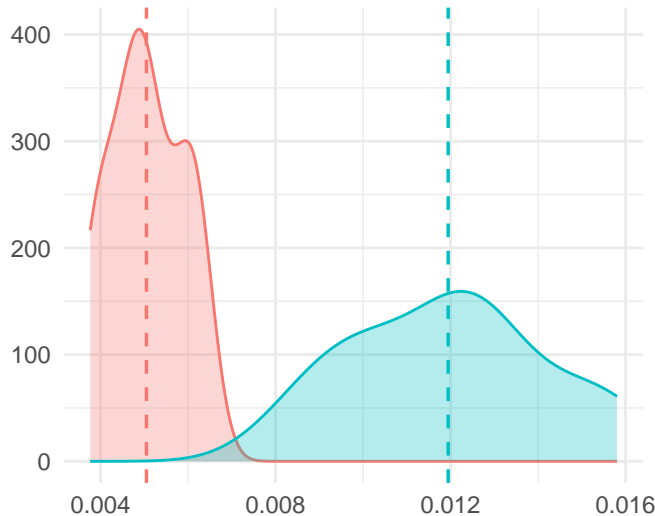
Value

# Split-Half Reliability

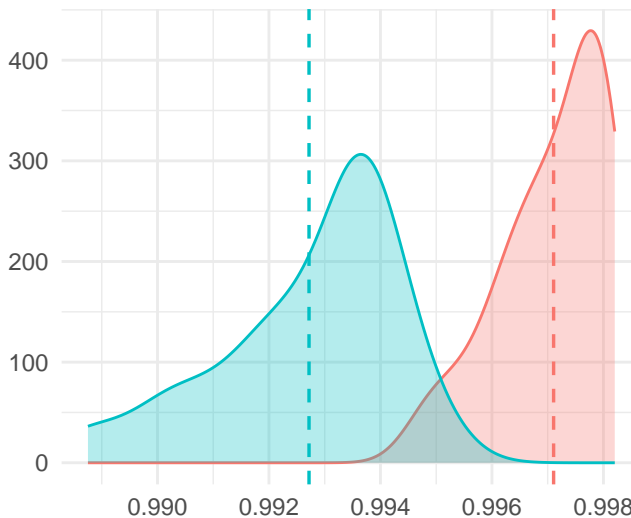
Mean Abs. Dev.



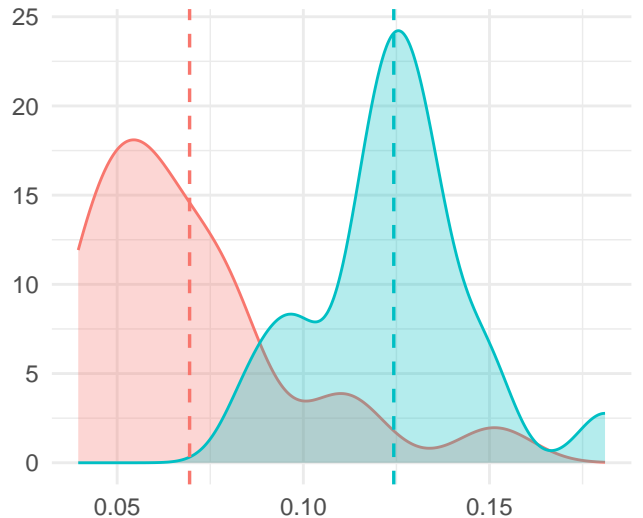
Median Abs. Dev.



Correlation



Max Abs. Dev.

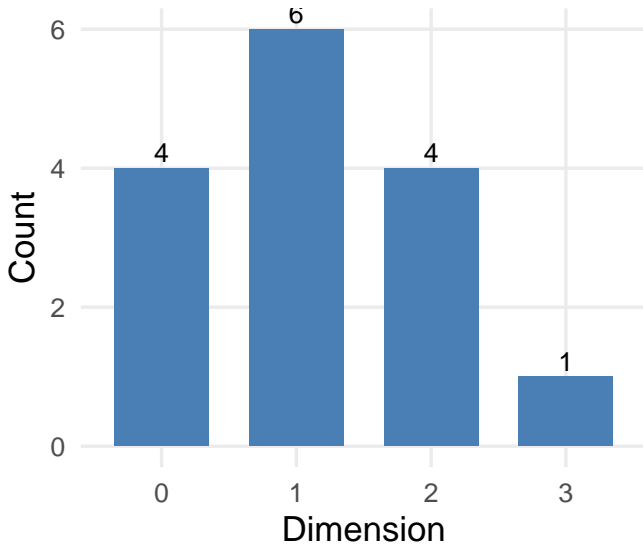


Value

model | frequency | relative

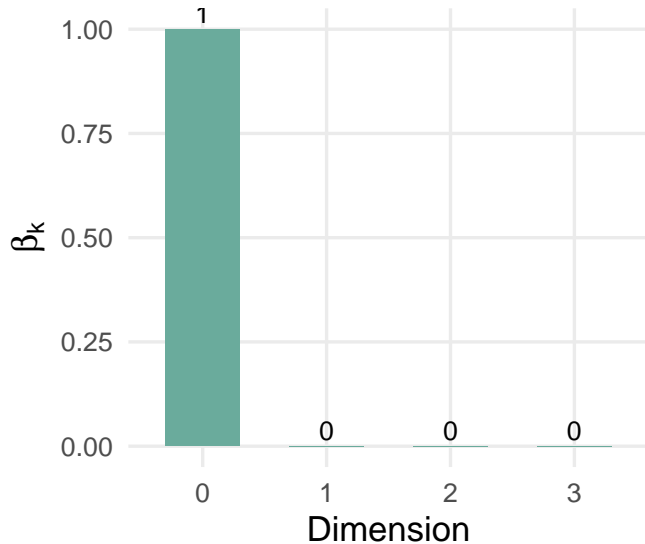
## f-vector

Simplices per dimension



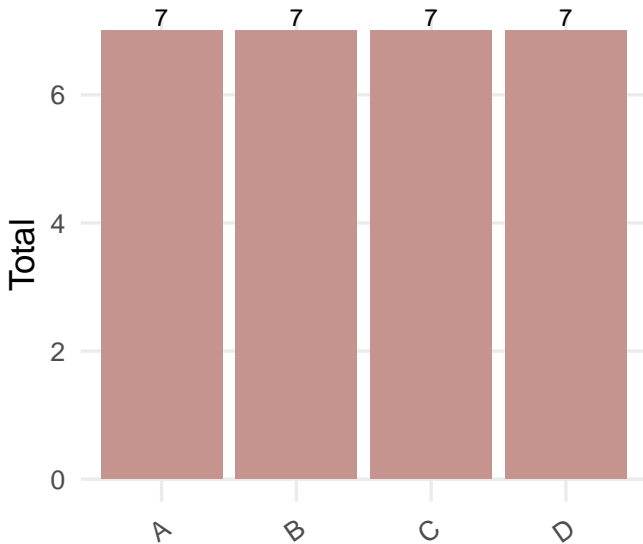
## Betti Numbers

Euler characteristic: 1



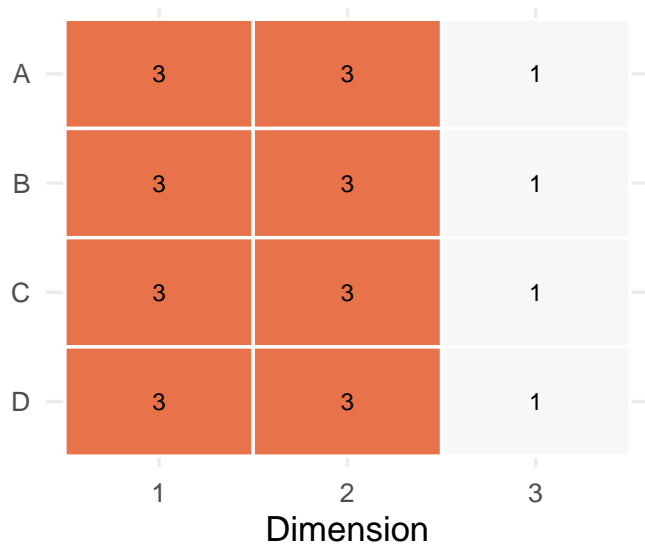
## Simplicial Degree

Higher-order participation (dim 1+)



## Degree by Dimension

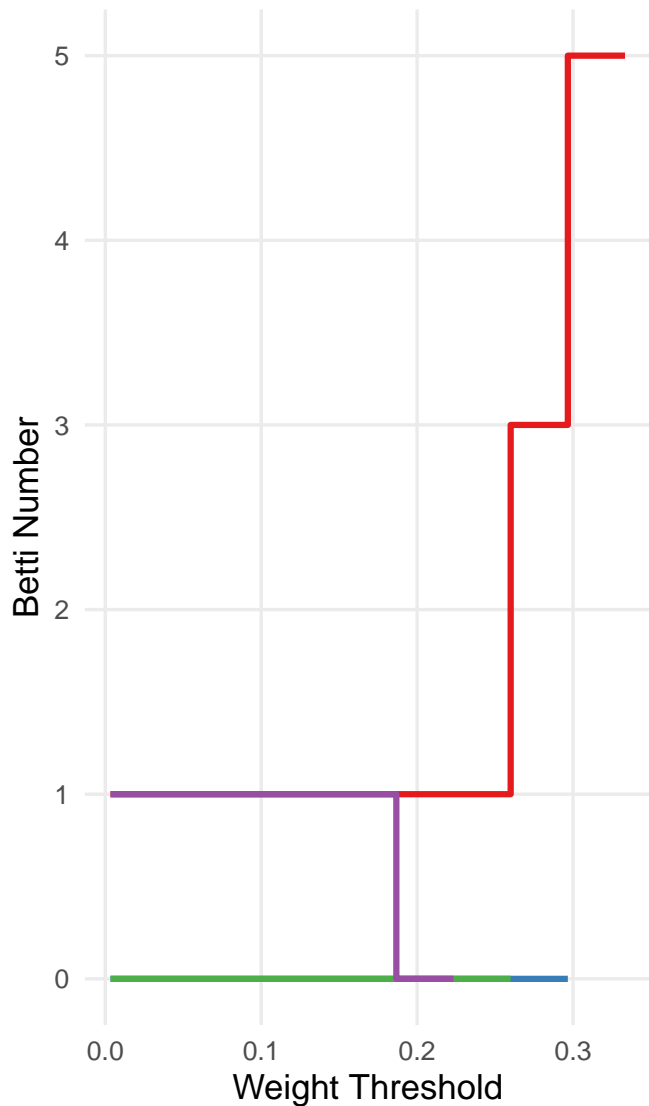
Simplex participation per node



# Betti Curve

Topological features across weight thresholds

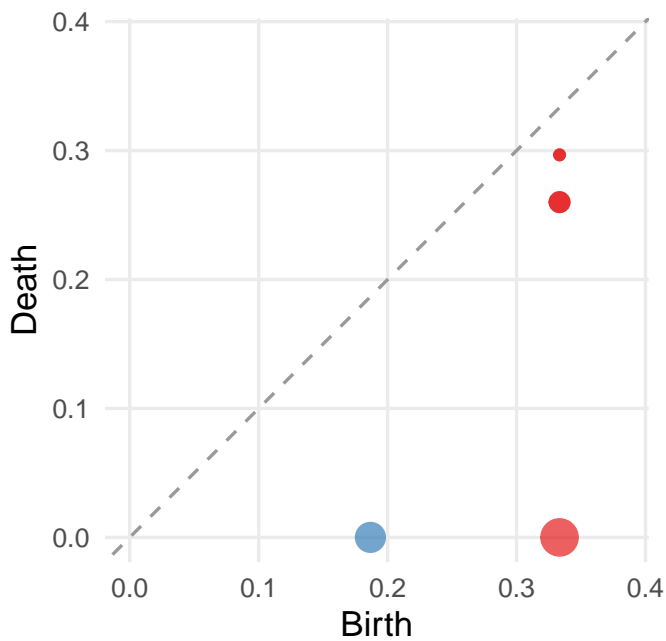
— B0 — B1 — B2 — B3



# Persistence Diagram

Far from diagonal = long-lived features

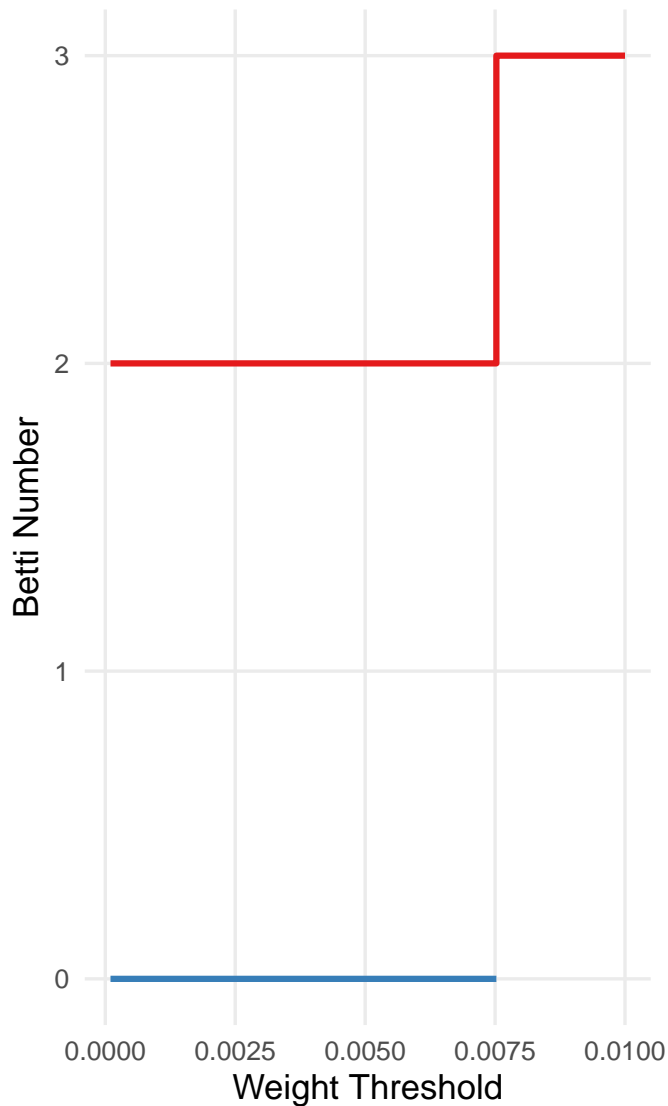
● B0 ● B3



# Betti Curve

Topological features across weight thresholds

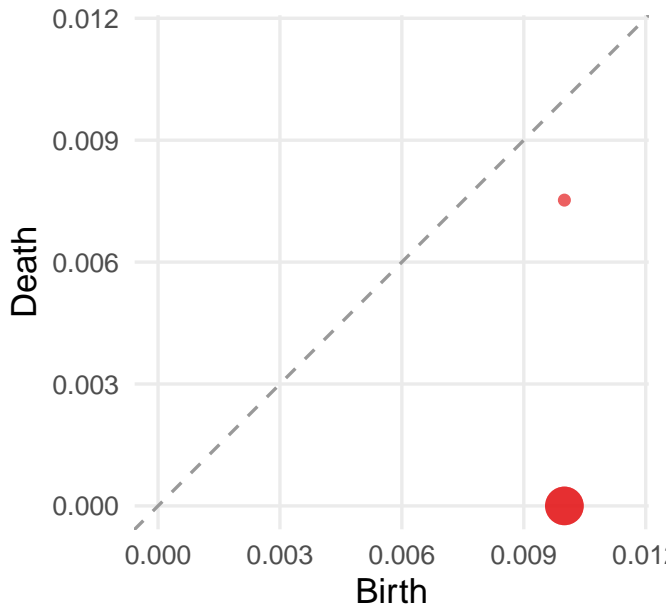
— B0 — B1



# Persistence Diagram

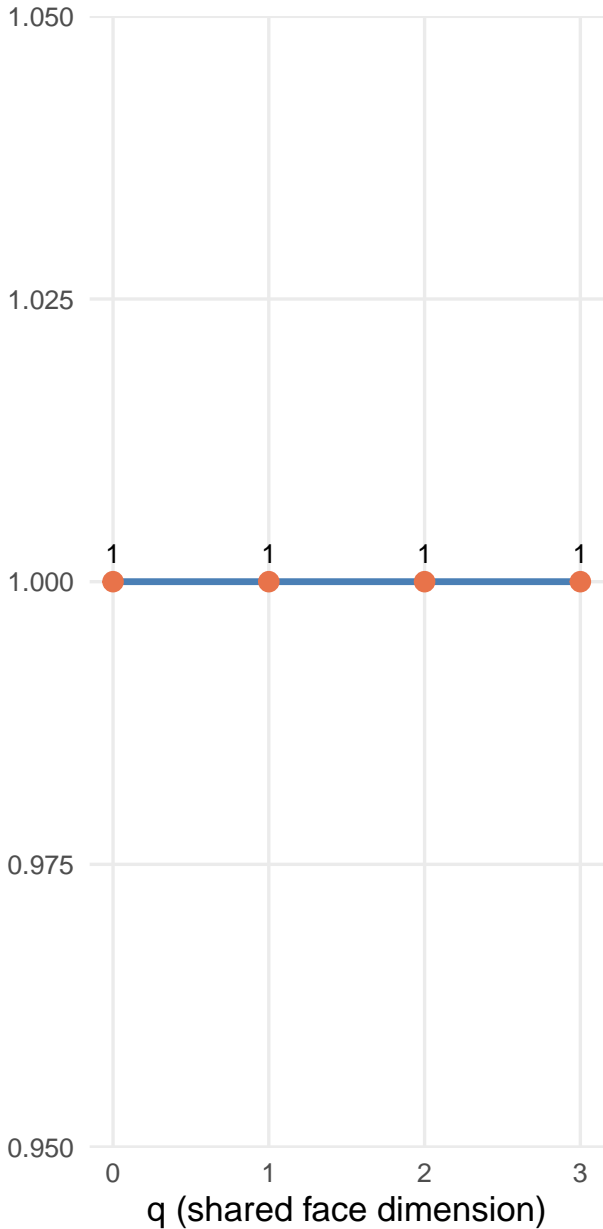
Far from diagonal = long-lived features

• B0



## Q-Vector

Connected components at each q-level



## Structure Vector

Highest simplex dimension per node

