

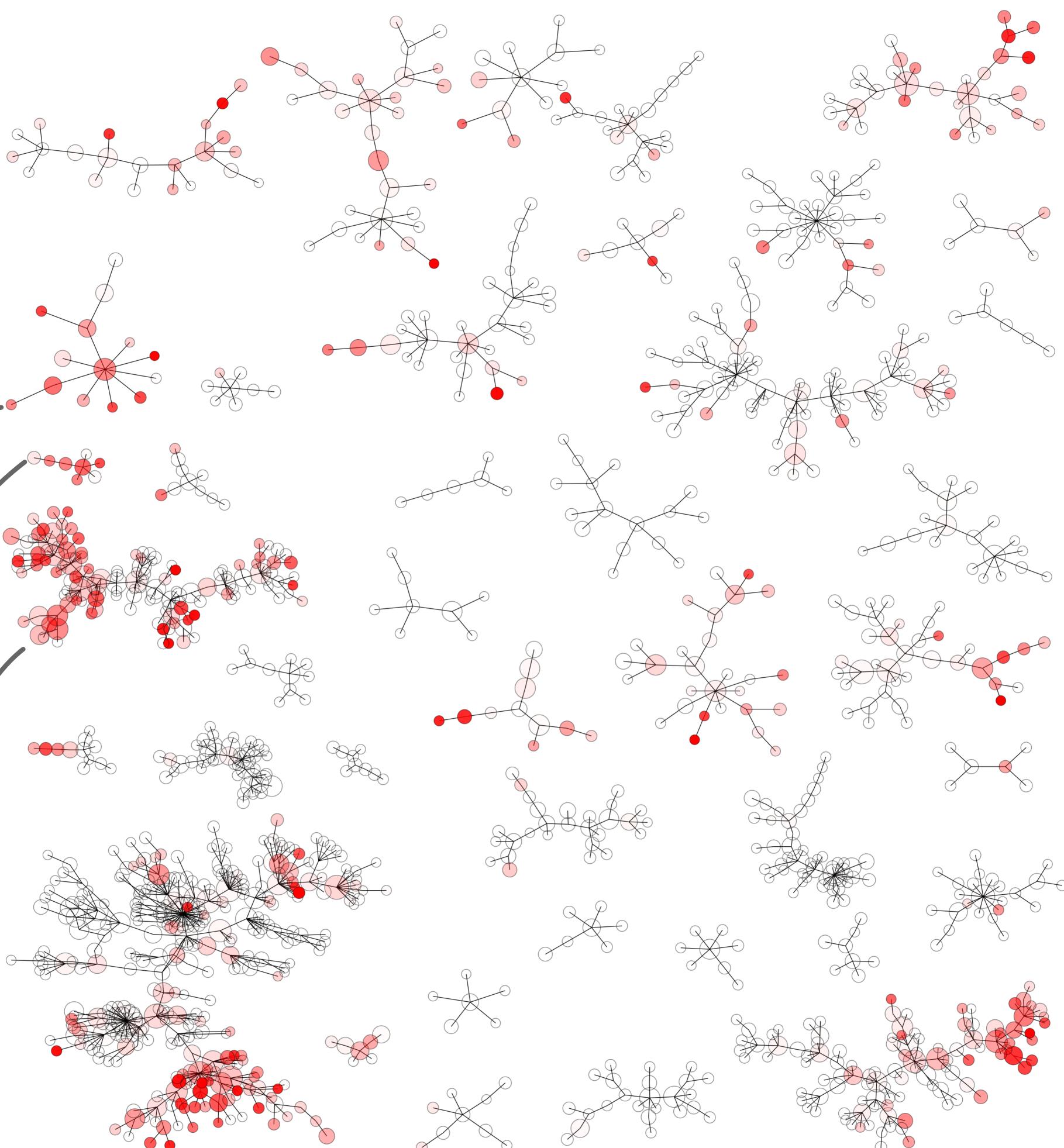
Prediction of standard
2-layer GCN model

A

- Desktops
- Data Storage
- Laptops
- Monitors
- Computer Components
- Video Projectors
- Routers
- Tablets
- Networking Products
- Webcams

GTDA estimated errors
AUC score is 0.84

B



Mixing in “Networking
Products”

C

Found ambiguous subgroups in
“Networking Products” v.s.
“Routers”:

- wireless access points
- repeaters
- modems

D

Found other subgroups in
“Networking Products” mixed with
“Computer Components”:

- network adapters
- hubs

Few mixing in some
other parts of “Data
Storage” prediction

Found dominant less
ambiguous subgroups in
“Data Storage”:

- USB flash drives
- external hard drives

Mixing between “Data Storage”
and “Computer Components”

E

Found ambiguous subgroups in
“Data Storage” v.s. “Computer
Components”:

- internal hard drives
- internal solid state drives