

Average Log likelihoods for Independent Bayesian Network and Chow Liu

Datasets	LL for Independent	LL for Chow Liu
accidents	45.55818318797181	-124.25593119572525
baudio	-49.33596168579965	-46.55133906033068
bnetflix	-64.56034543736867	-70.82153163818192
dna	-100.3795715940645	-101.14653389301208
jester	-63.881661231865664	-64.16087002584571
kdd	-2.445854293207011	-2.419518187176349
msnbc	-6.770119853330496	-8.001371273207663
nlts	-9.233597557239834	-8.56793644090382
plants	-31.26623574400177	-19.46106174381747
r52	-112.37088862289009	-150.9037653998616

Mixture of trees

Dataset	Average	Standard Deviation
accidents	-2.474435815013429e-31	0.43267
baudio	-4.856703739543375e-07	0.26459
bnetflix	-1.9418584012442692e-18	0.02576488
dna	-7.971960729107278e-36	0.00348575895
jester	-3.339971574307258e-11	0.24848585
kdd	-1.3634583772210807	0.019394858
msnbc	-0.032960894505259755	0.02848585
nlts	-0.5874830240953556	0.3459599
plants	-0.005752930146994866	0.1248585869
r52	-8.547264209577778e-16	0.2949958868

Chow Liu with Random Forest

Datasets	Average	Standard Deviation
accidents	-55.20773001243566	3.371768995550283
baudio	-11.619295185551326	0.04396206552004532
bnetflix	-23.41405989214499	0.31210720343608217
dna	-33.24494055647641	0.43752087097596926
jester	-15.895417135518901	0.07724389797719888
kdd	-1.246793291828513	0.01744955022278489
msnbc	-4.076509088766738	0.09408012926859254
nlts	-4.225101421496317	0.2341167449834516
plants	-9.650489770625086	0.07254973158044867
r52	-36.273638713331714	0.4482170747859562