Resolution and accuracy in Congreve & Lamsdell matrices

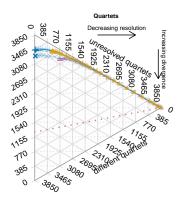
 $Martin\ R.\ Smith\ martin.smith@durham.ac.uk$ 2019-04-20

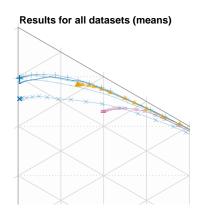
Contents

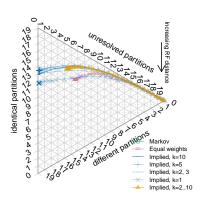
0.1	Summary											 										1
0.2	Trees $1-10$																					2
0.3	Trees $11-20$.																					5
0.4	Trees $21–30$.																					8
0.5	Trees 31 – 40 .																					11
0.6	Trees $41–50$.																					14
0.7	Trees $51–60$.																					17
0.8	Trees $61-70$.																					20
0.9	Trees $71–80$.																					23
0.10	Trees $81–90$.																					26
	Trees 91–100																					
Refe	rences																					31

This page depicts the analytical results of all 100 matrices generated by Congreve & Lamsdell [1] using a ternary plotting approach [2], with quartets and partitions used as distance metrics.

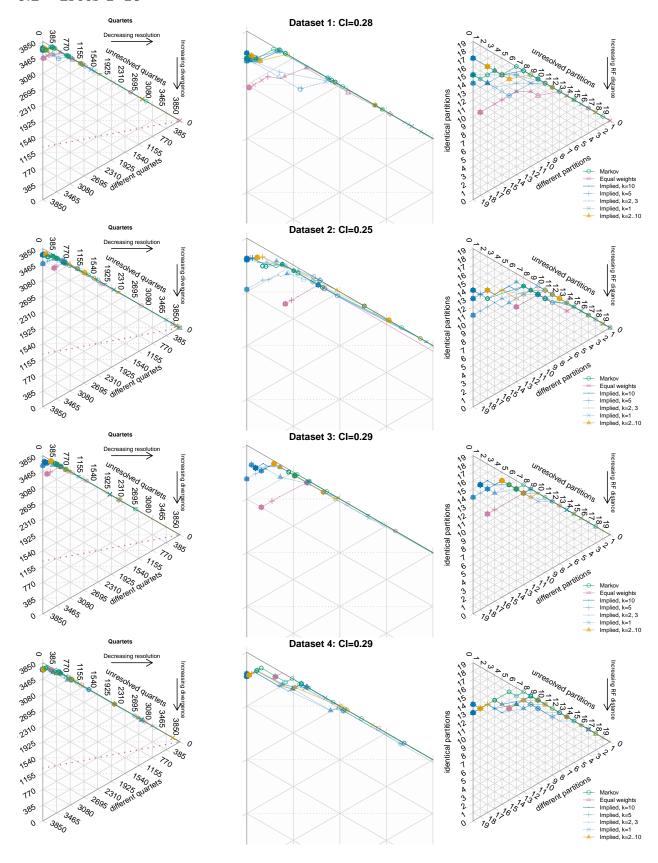
0.1 Summary

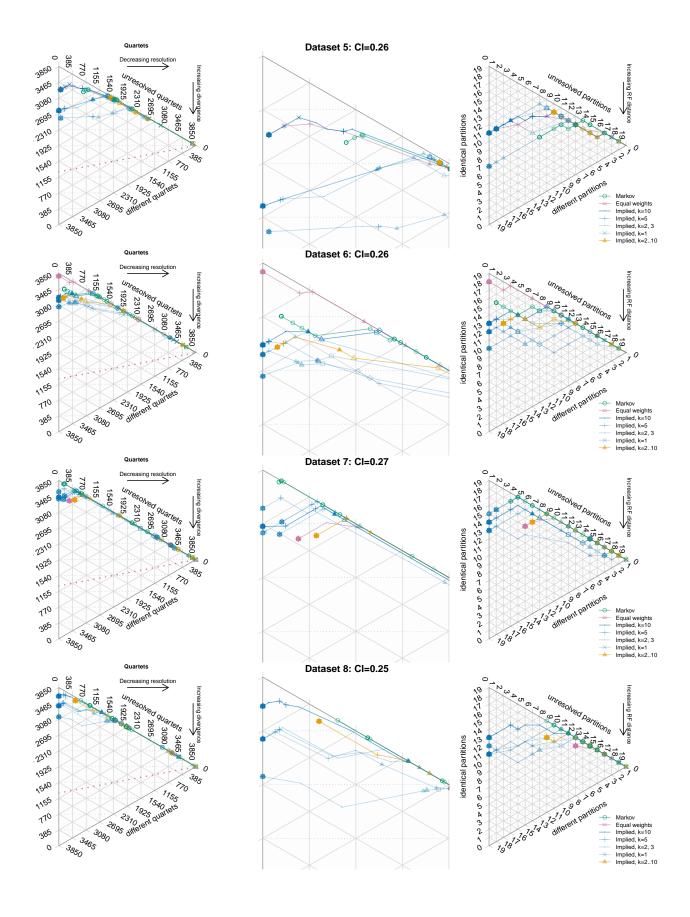


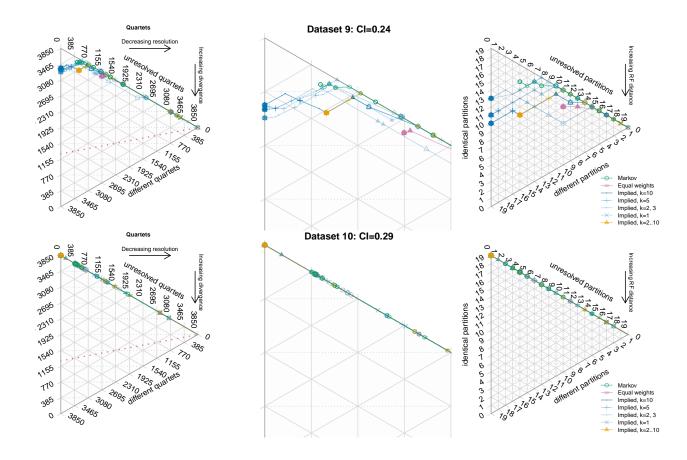




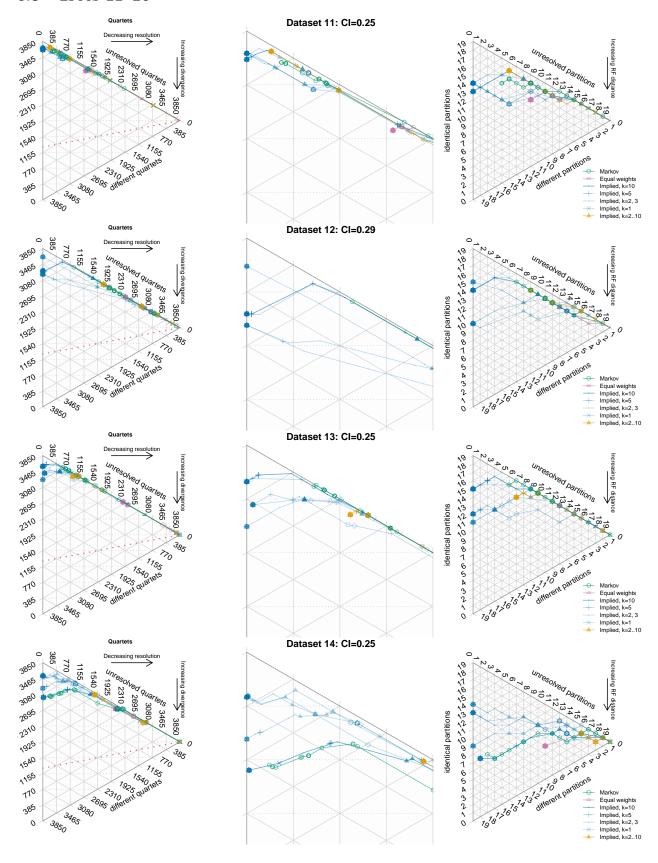
0.2 Trees 1-10

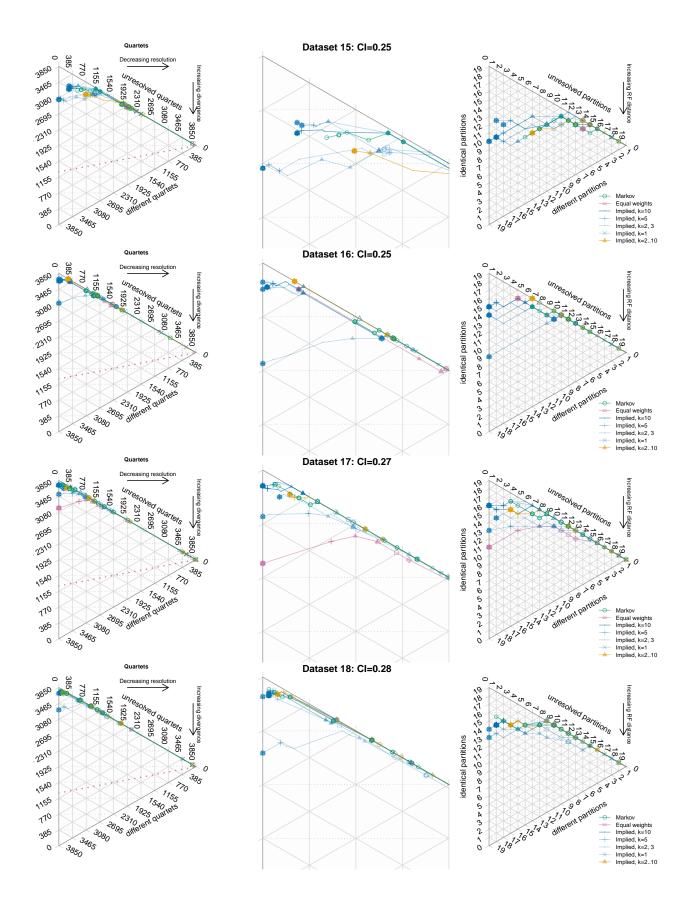


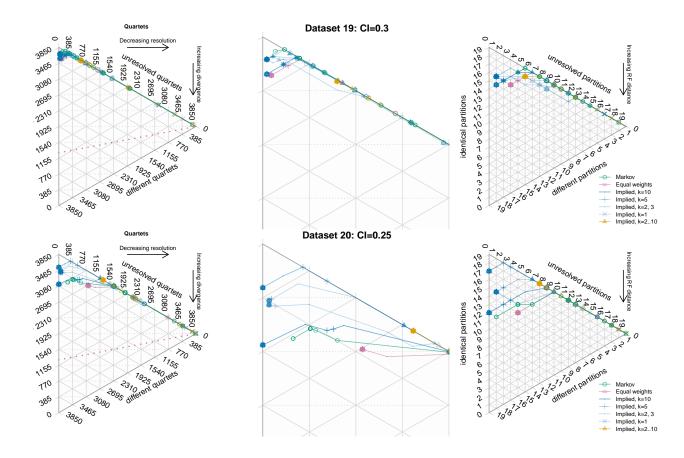




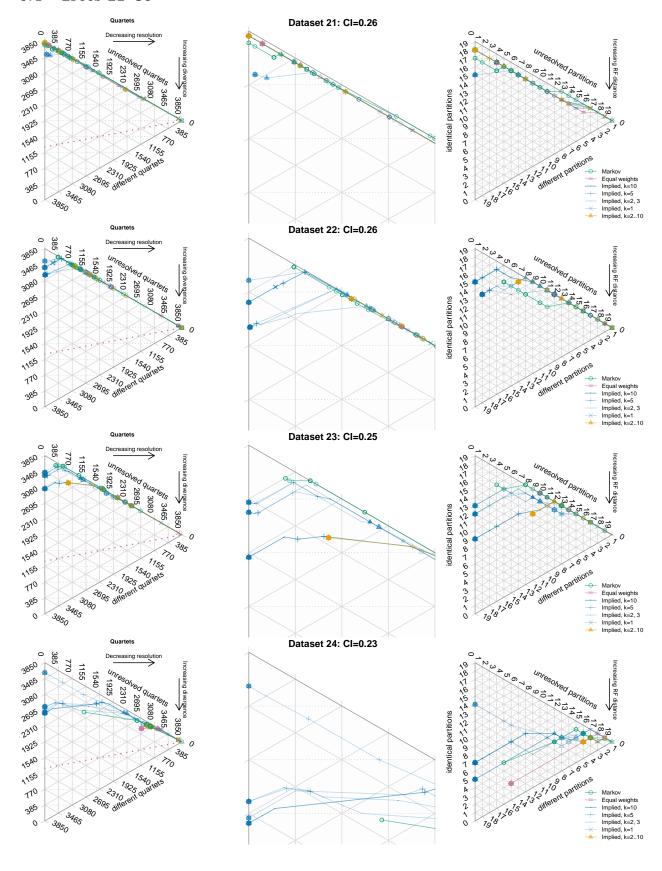
0.3 Trees 11-20

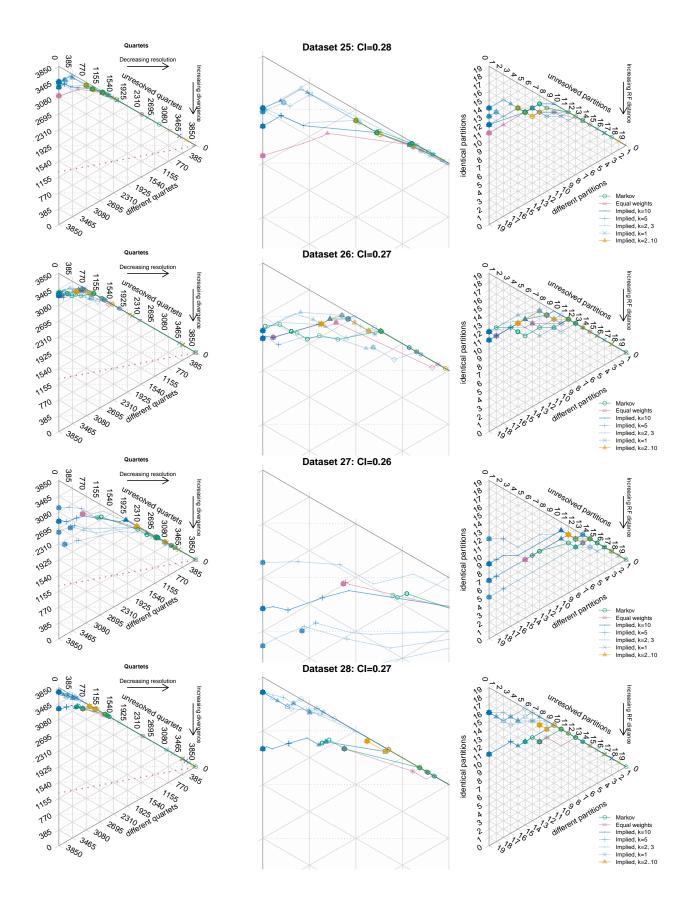


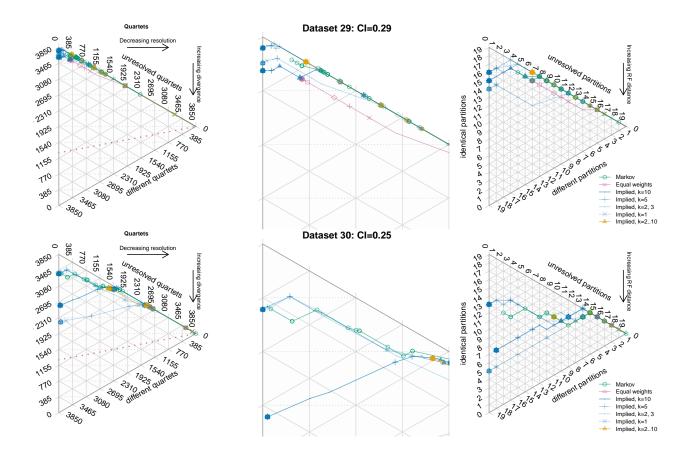




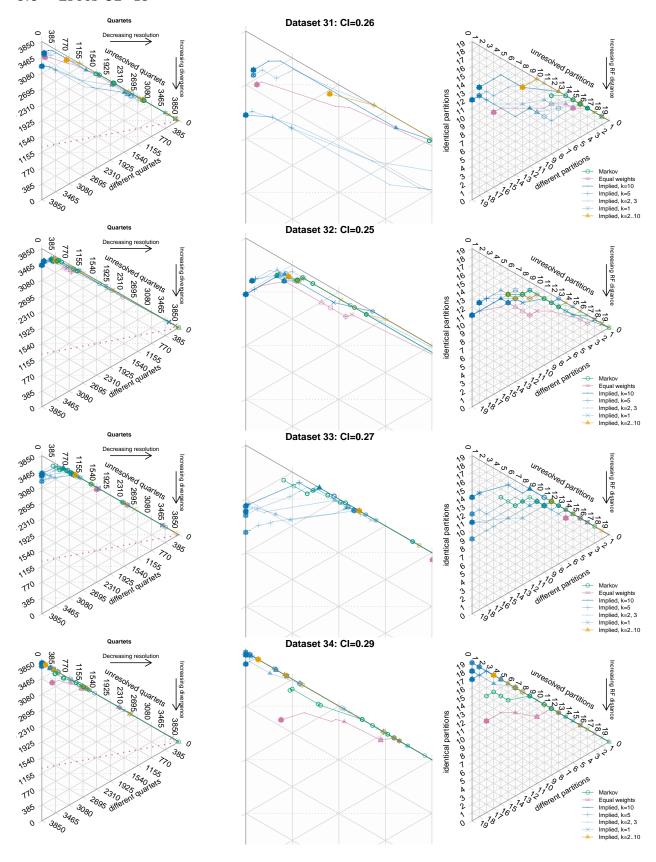
0.4 Trees 21-30

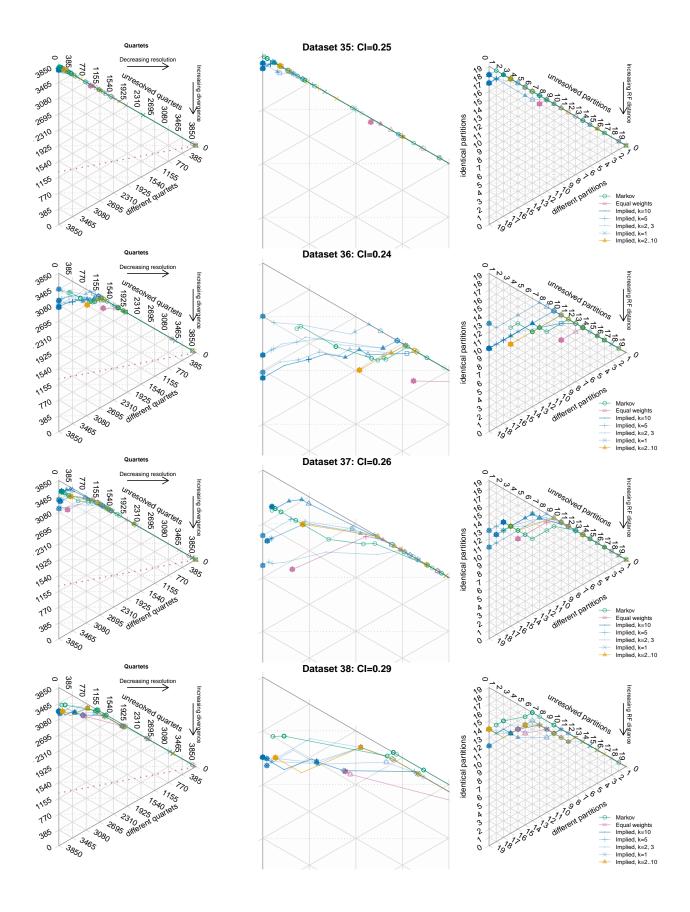


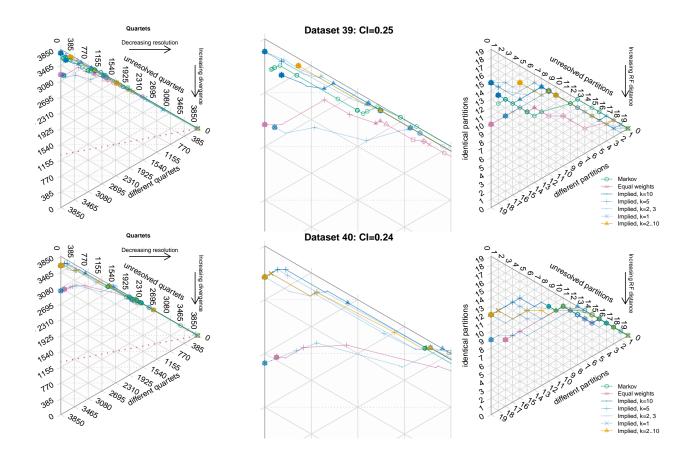




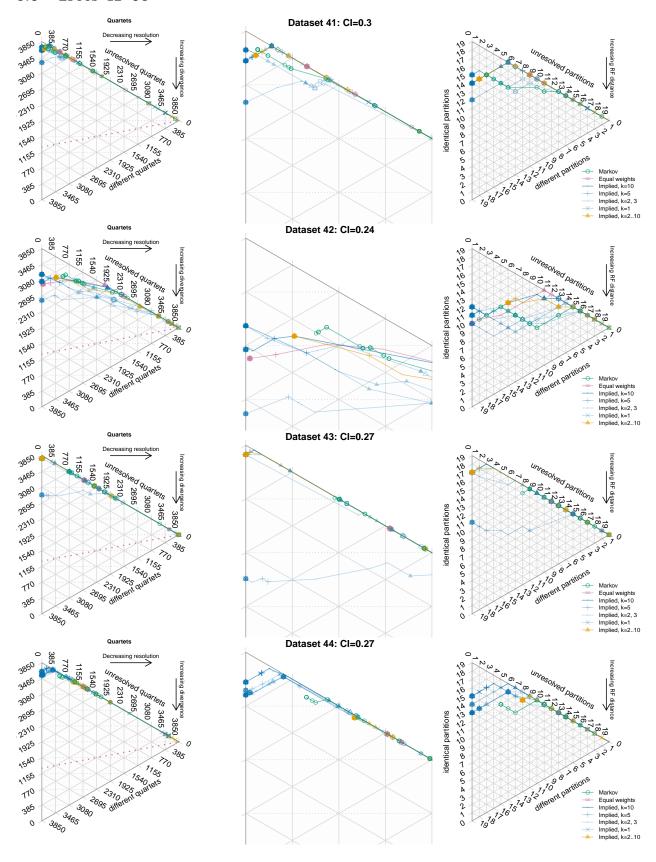
0.5 Trees 31-40

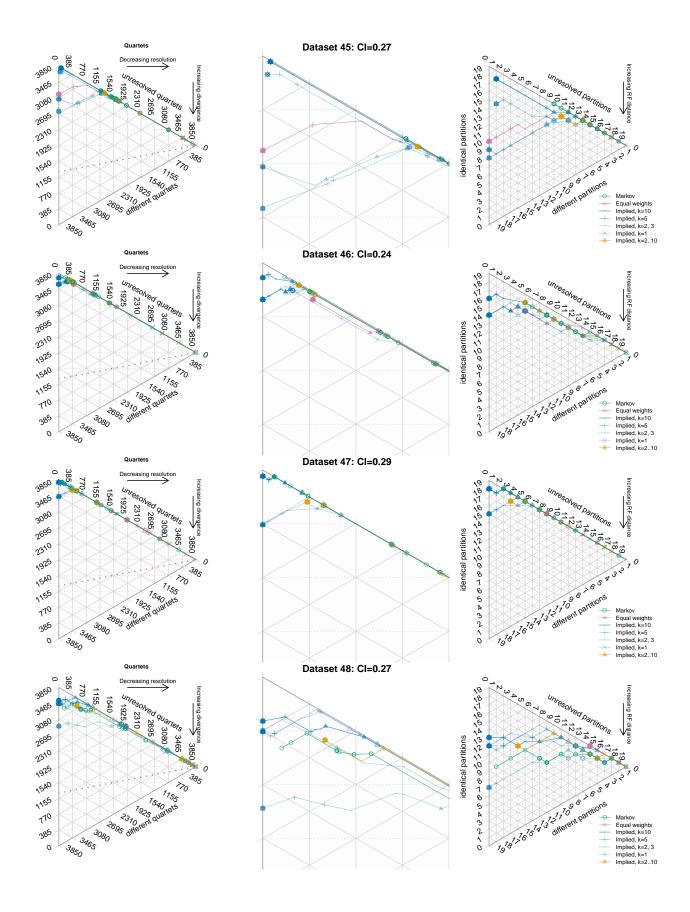


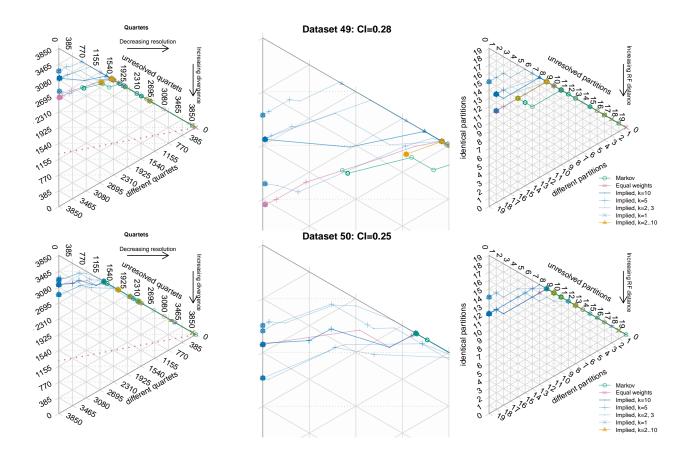




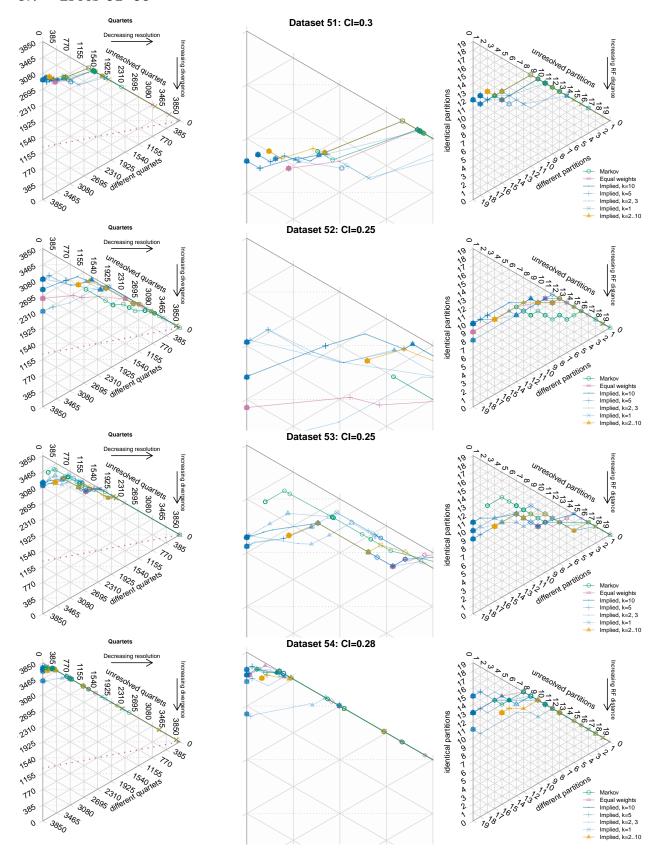
0.6 Trees 41-50

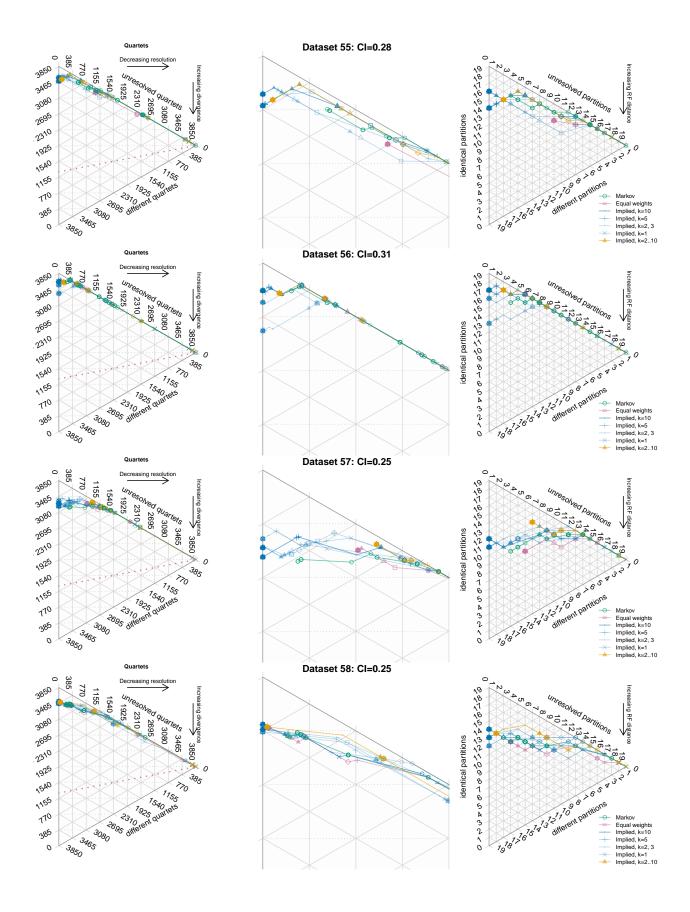


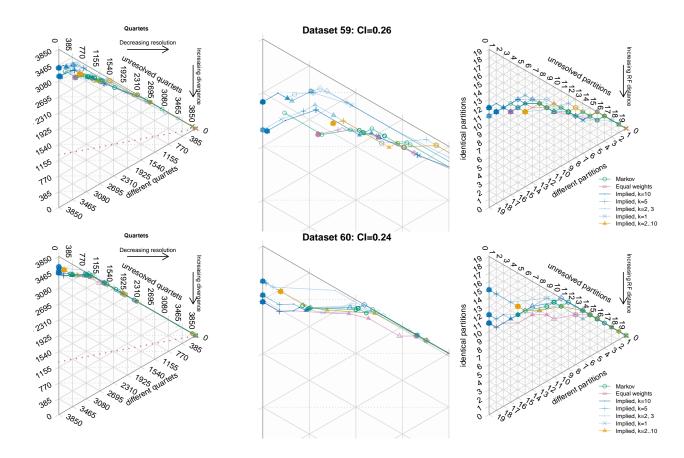




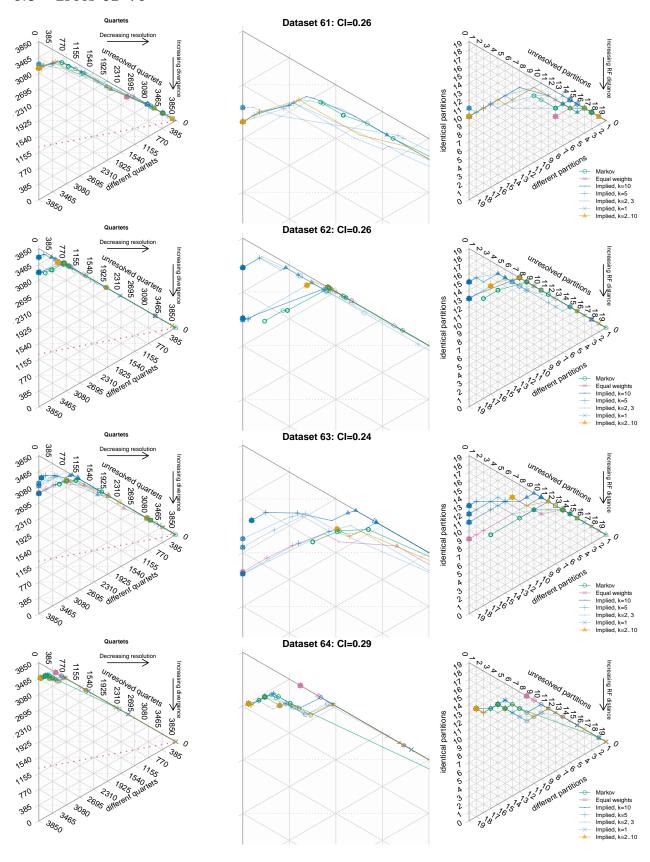
0.7 Trees 51-60

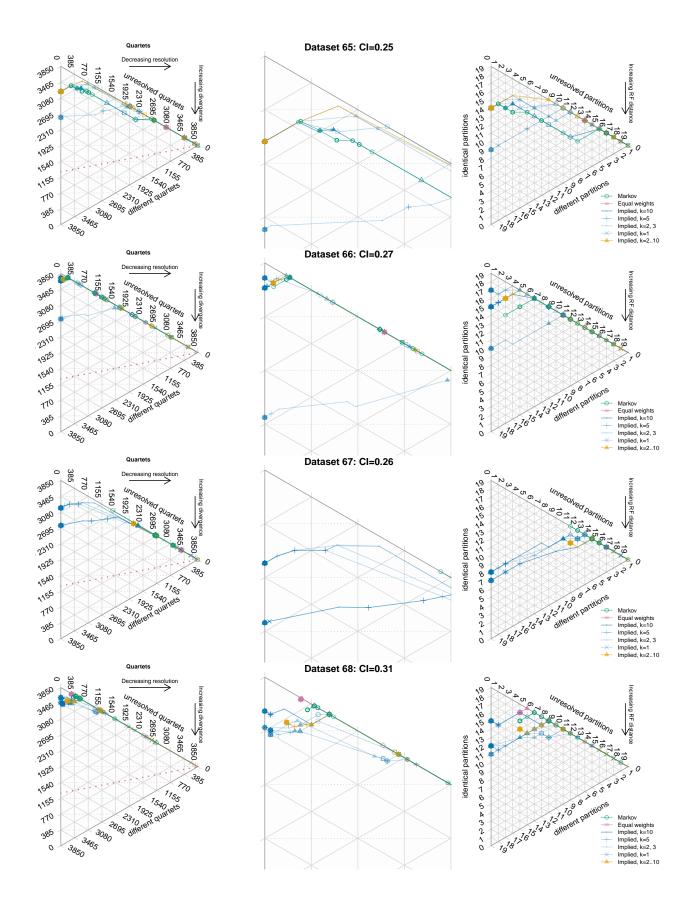


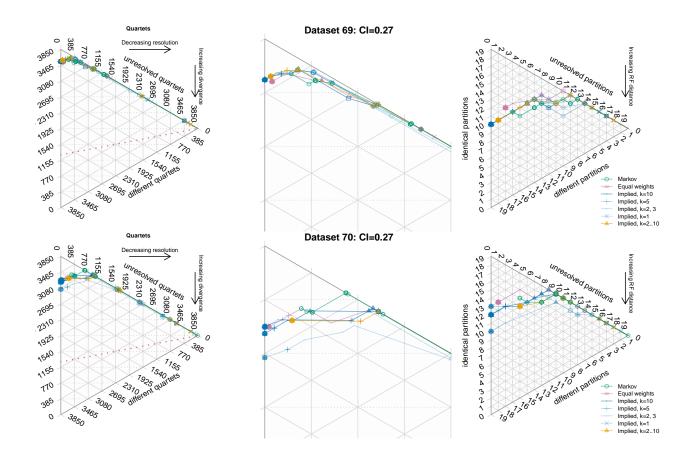




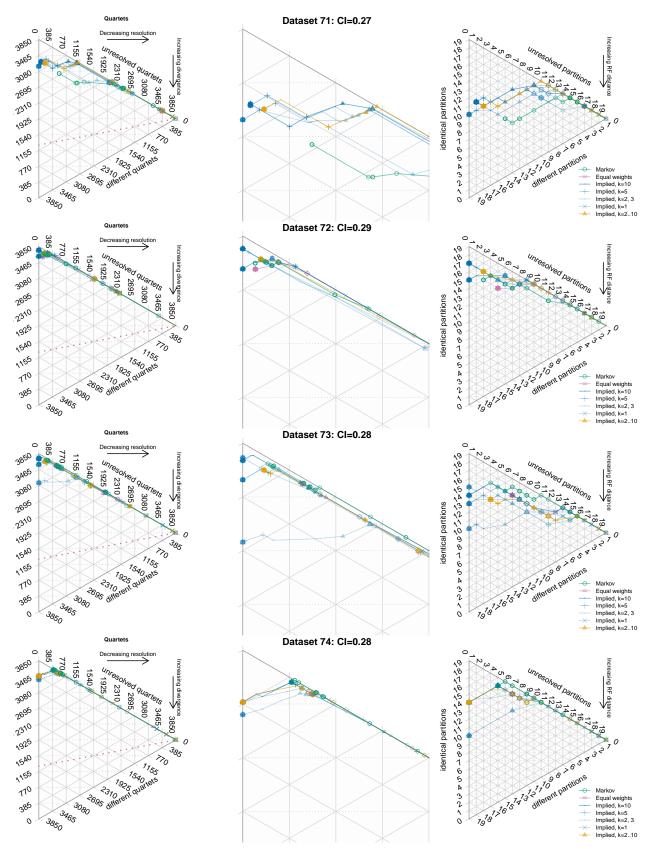
0.8 Trees 61-70

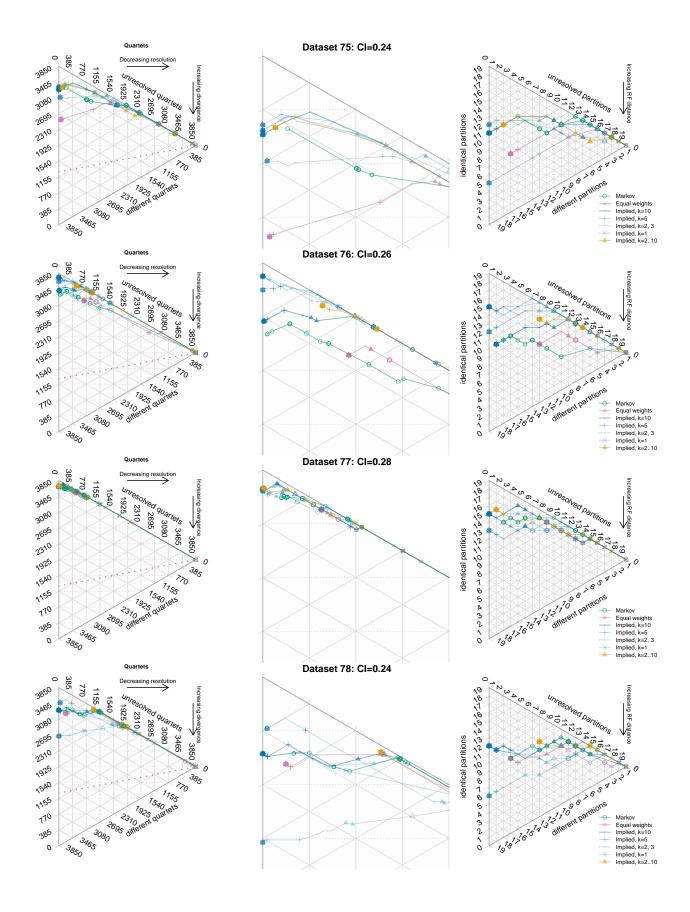


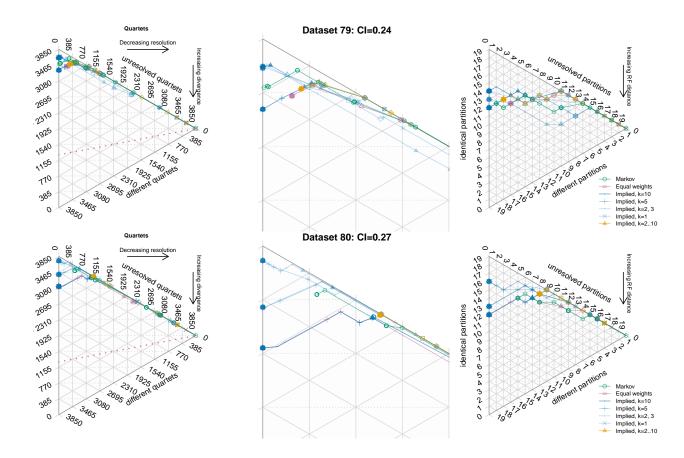




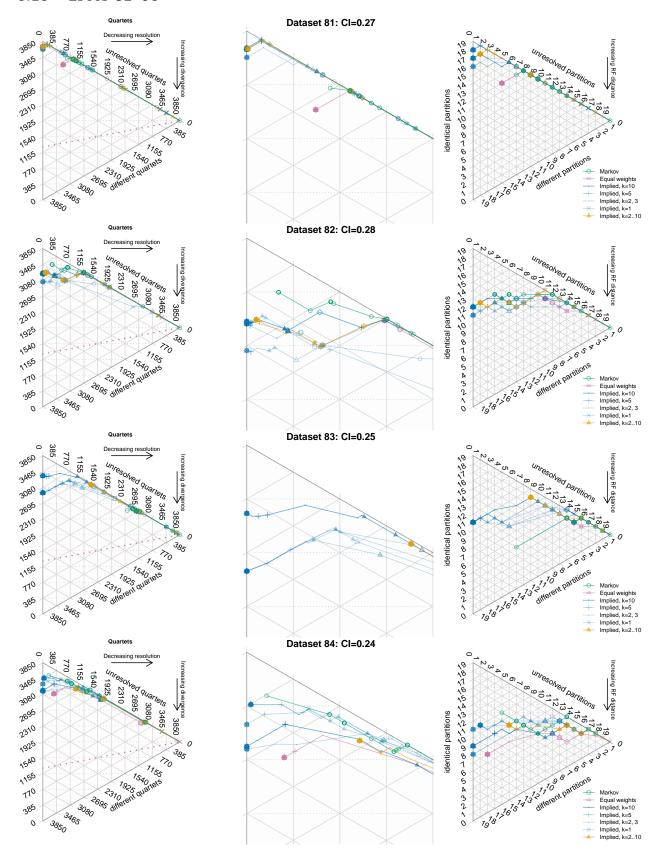
0.9 Trees 71-80

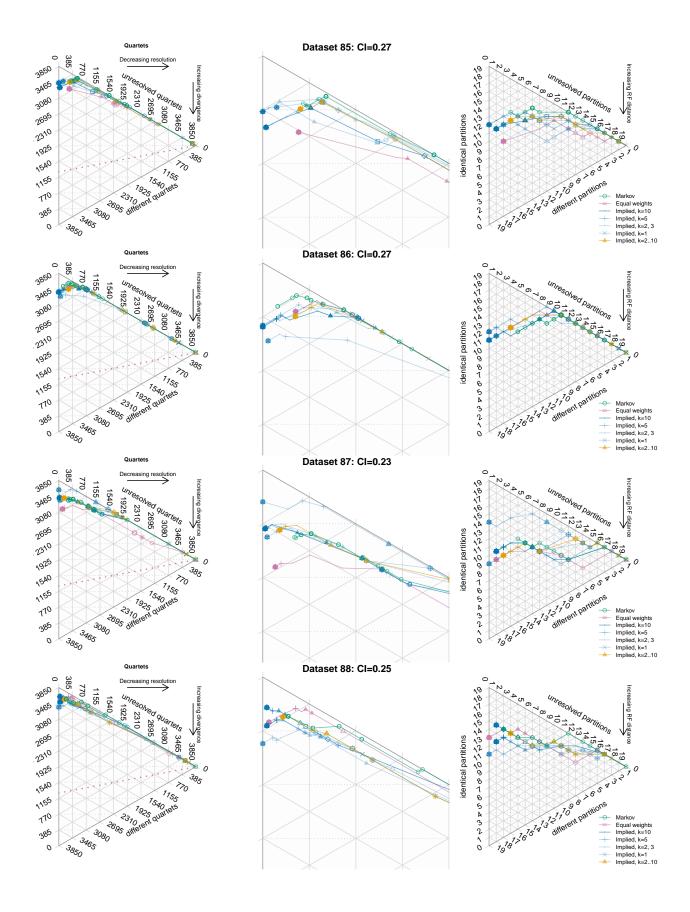


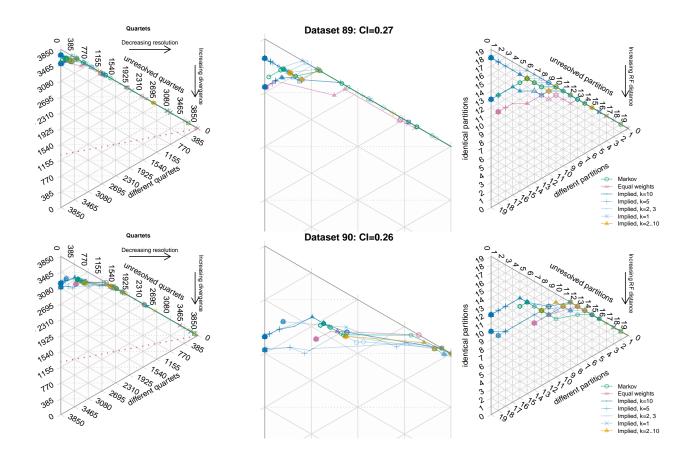




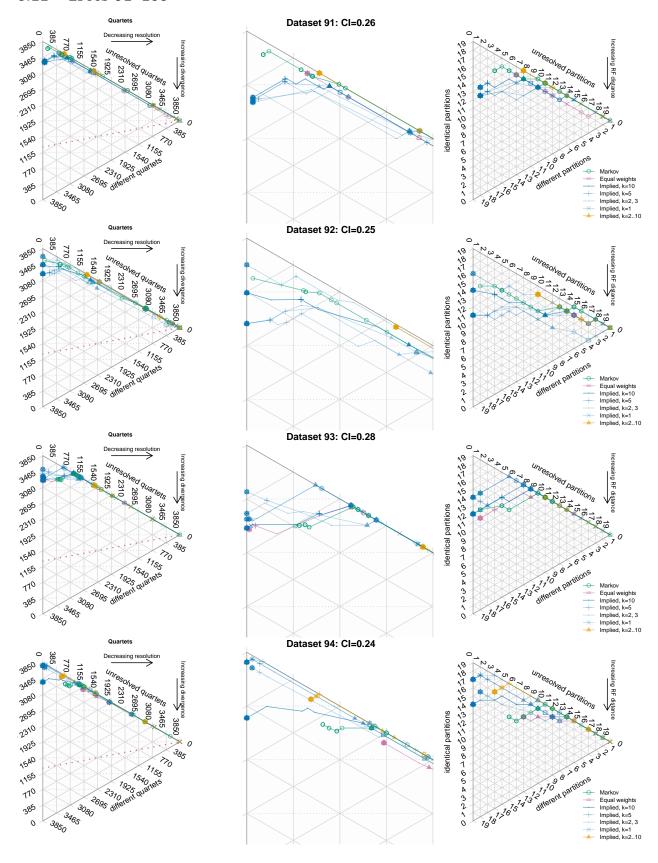
0.10 Trees 81–90

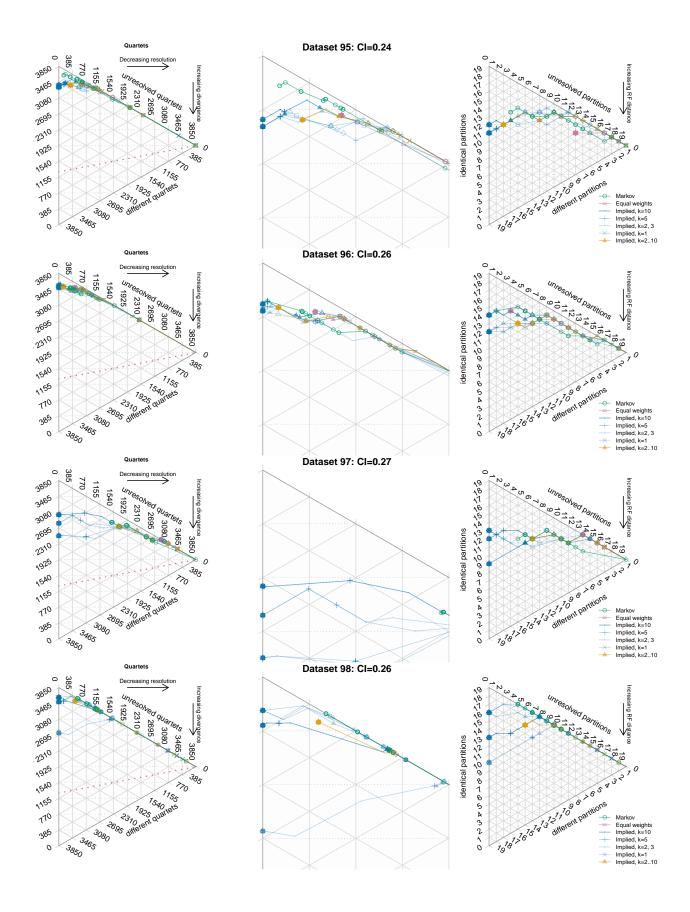


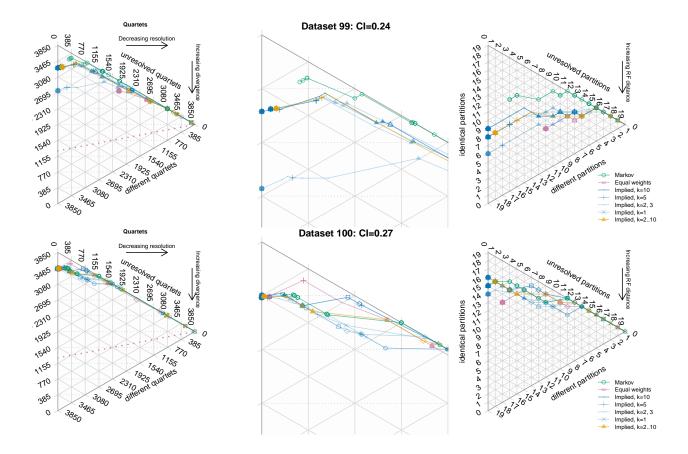




0.11 Trees 91-100







References

- 1. Congreve CR, Lamsdell JC. 2016 Implied weighting and its utility in palaeontological datasets: a study using modelled phylogenetic matrices. *Palaeontology* **59**, 447–465. (doi:10.1111/pala.12236)
- 2. Smith MR. 2019 Bayesian and parsimony approaches reconstruct informative trees from simulated morphological datasets. $Biology\ Letters\ {f 15},\ 20180632.$ (doi:10.1098/rsbl.2018.0632)