Resolution and accuracy in Congreve & Lamsdell matrices

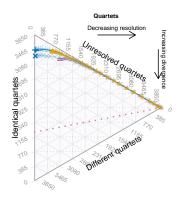
 $Martin\ R.\ Smith\ martin.smith@durham.ac.uk$ 2019-01-14

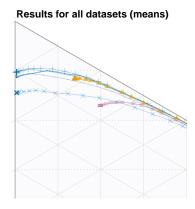
Contents

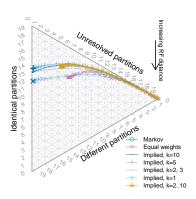
0.1	Summary																					1
0.2	Trees $1-10$																					2
0.3	Trees $11-20$																					5
0.4	Trees $21-30$																					8
0.5	Trees $31-40$																					11
0.6	Trees $41-50$																					14
0.7	Trees $51-60$																					17
0.8	Trees $61-70$																					20
	Trees $71-80$																					
	Trees $81-90$																					
0.11	$Trees\ 91100$																					29
Refer	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.

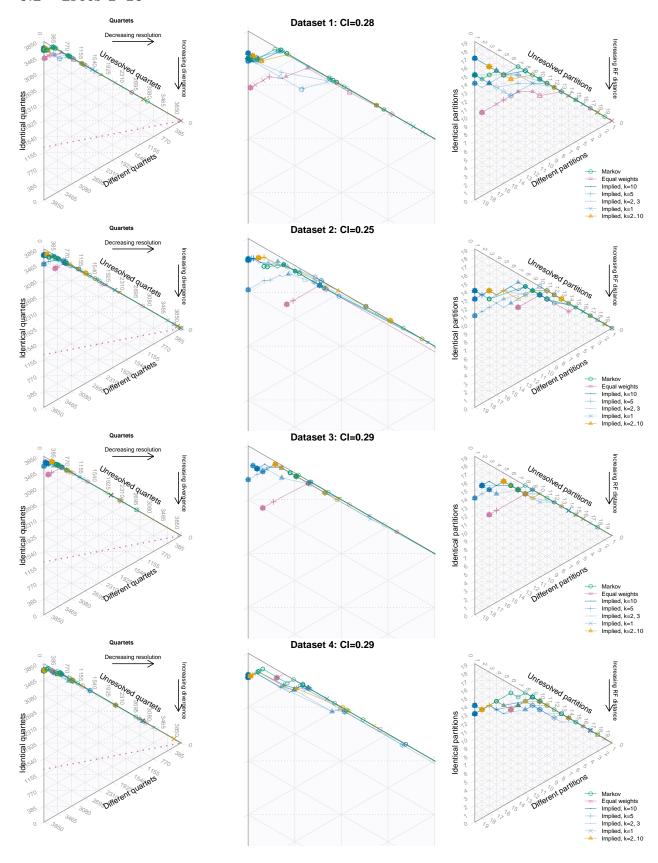
0.1 Summary

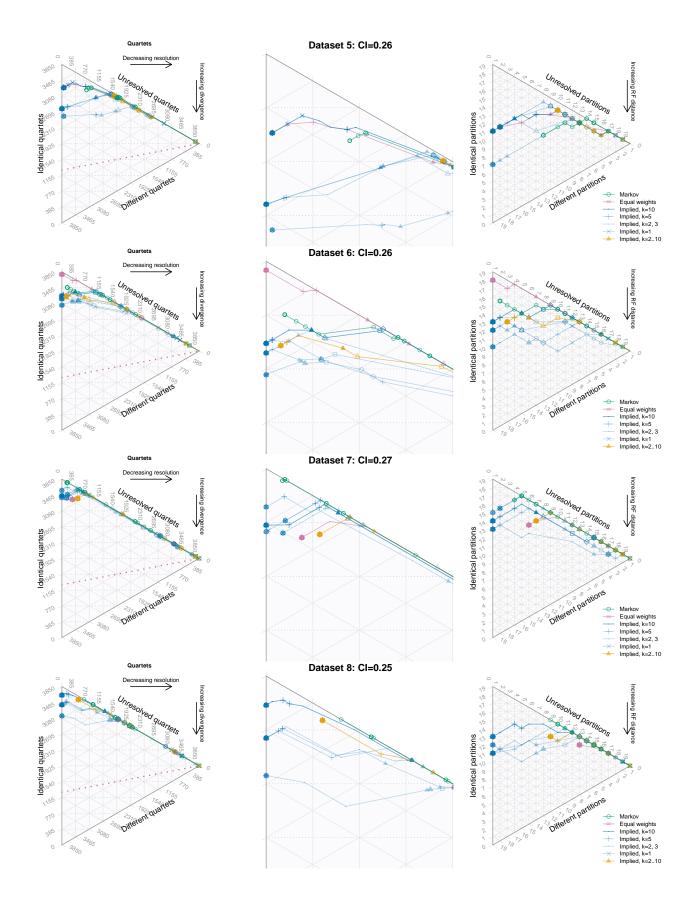


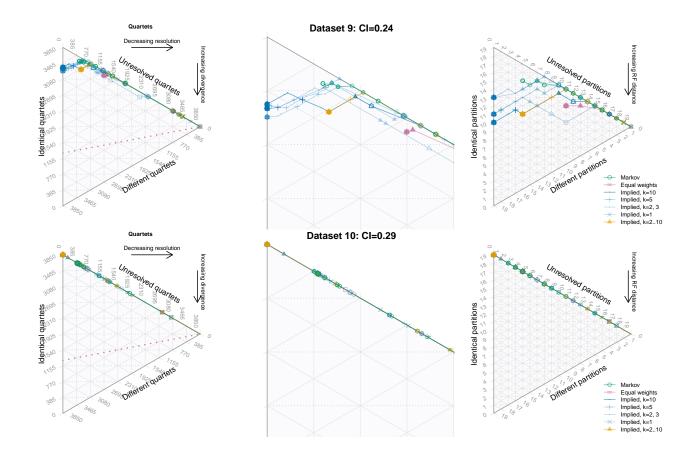




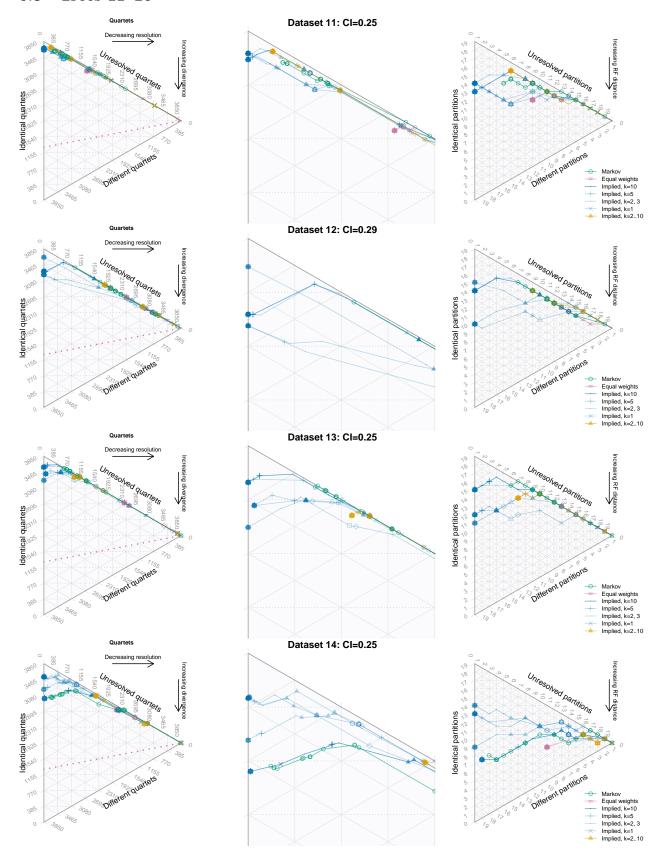
0.2 Trees 1-10

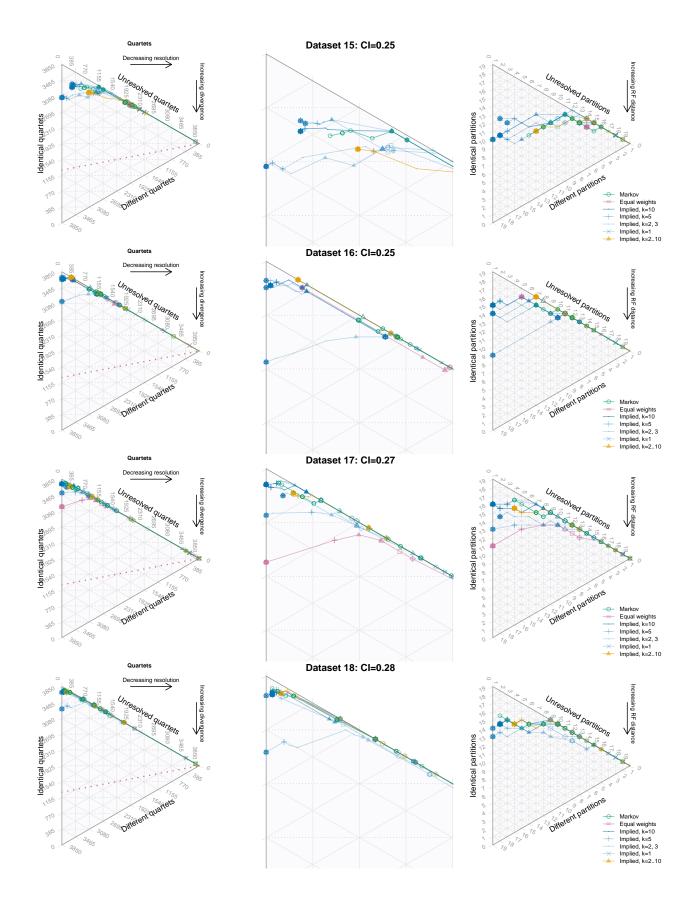


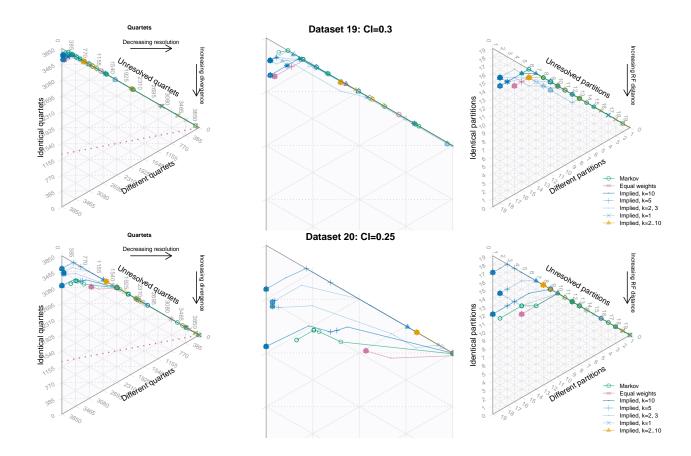




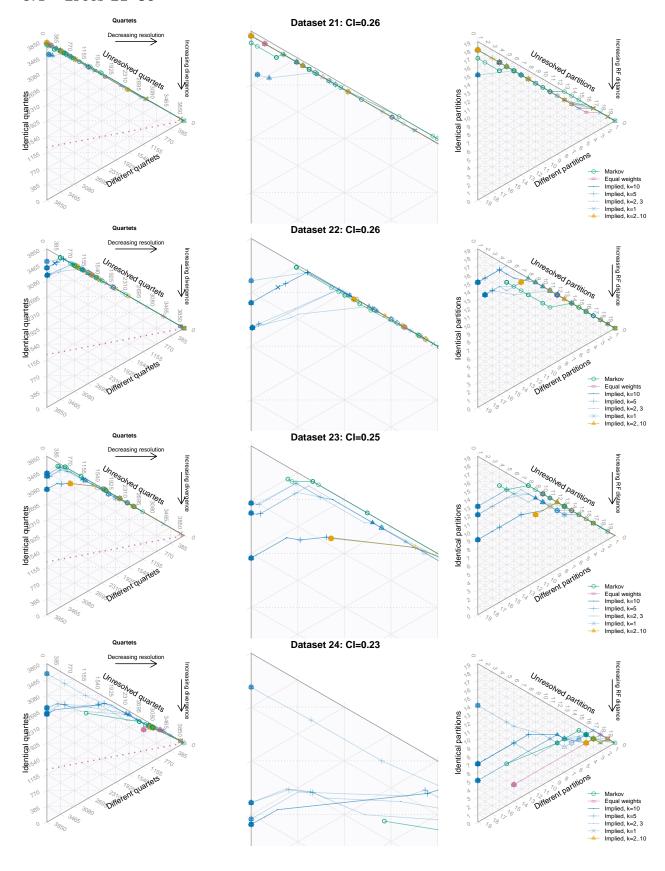
0.3 Trees 11-20

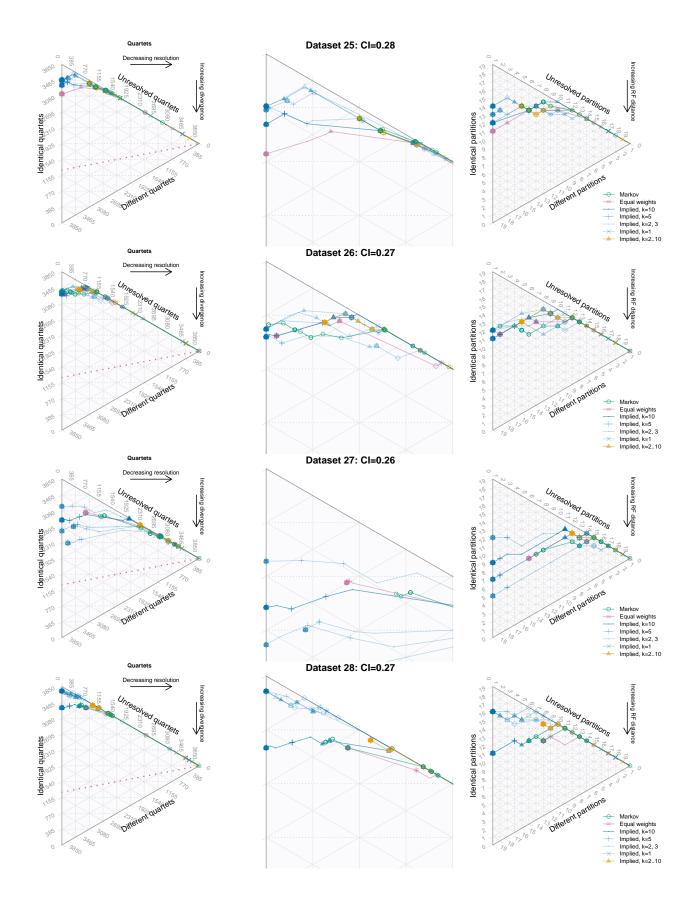


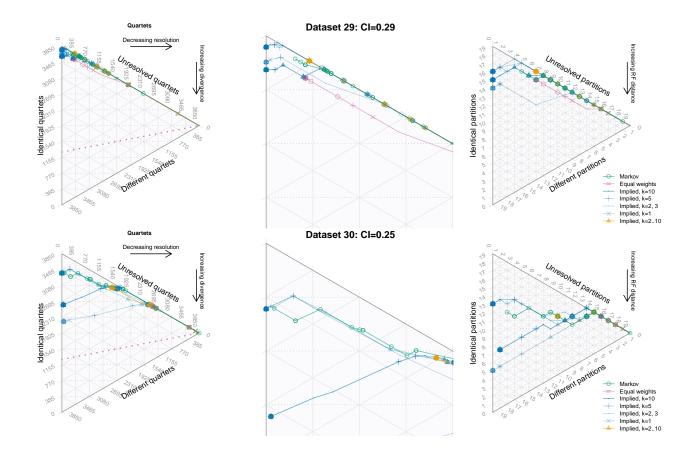




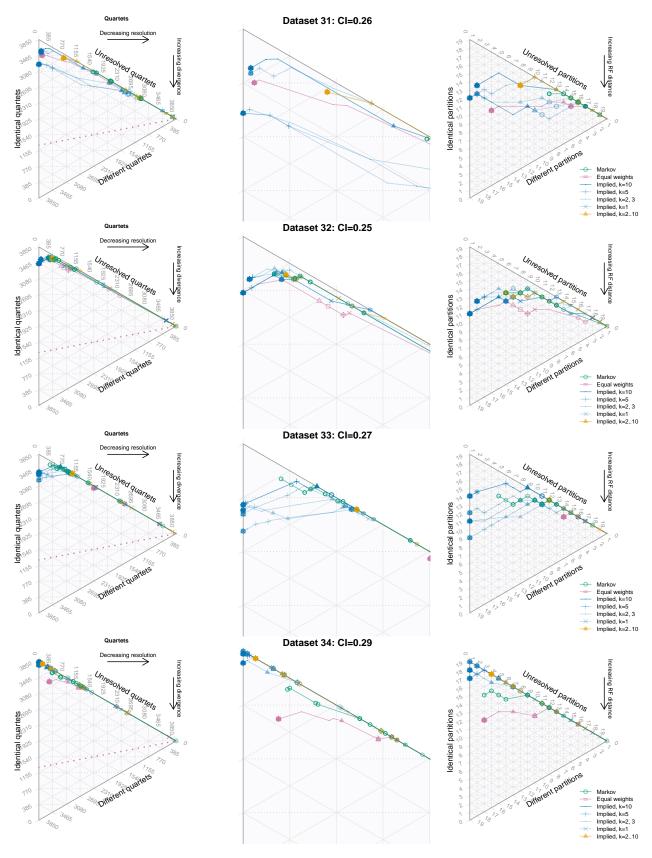
0.4 Trees 21-30

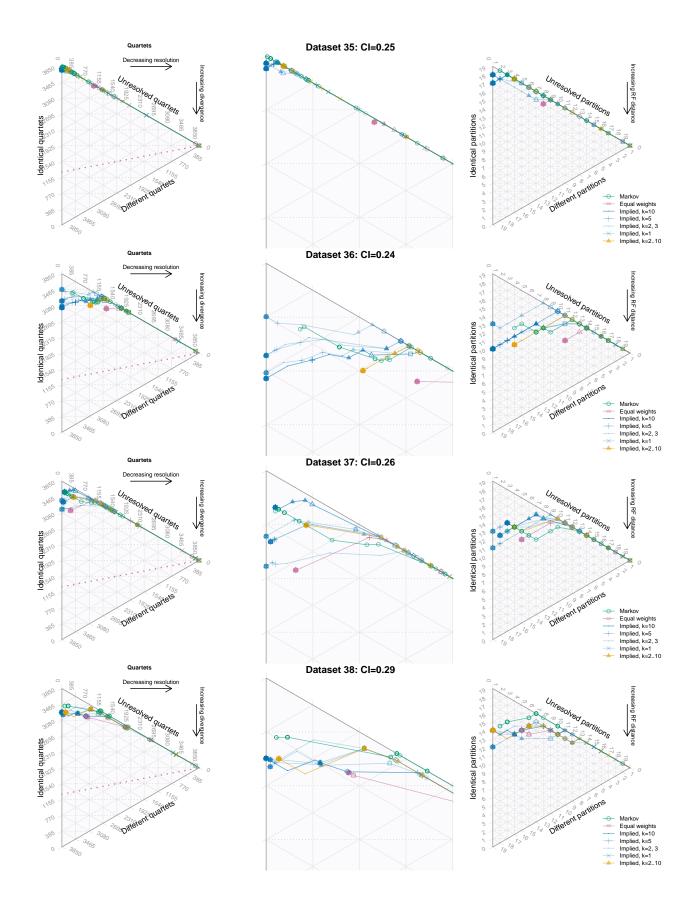


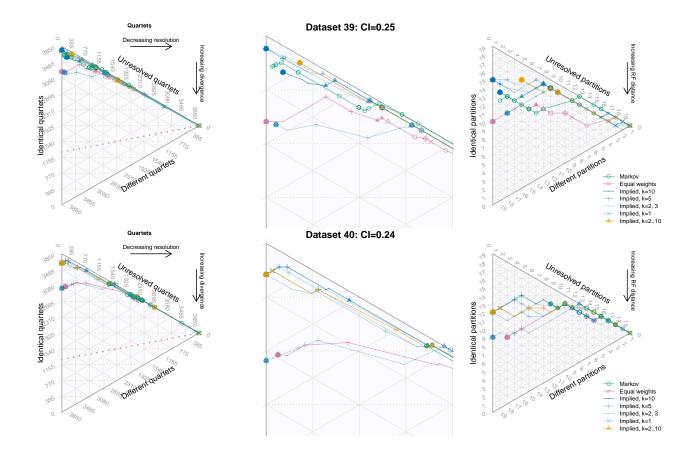




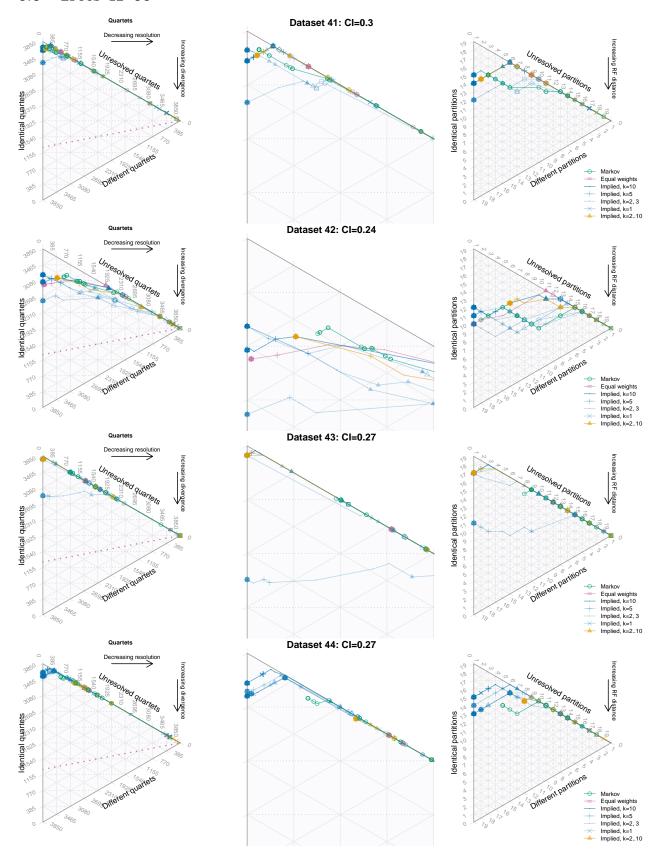
0.5 Trees 31-40

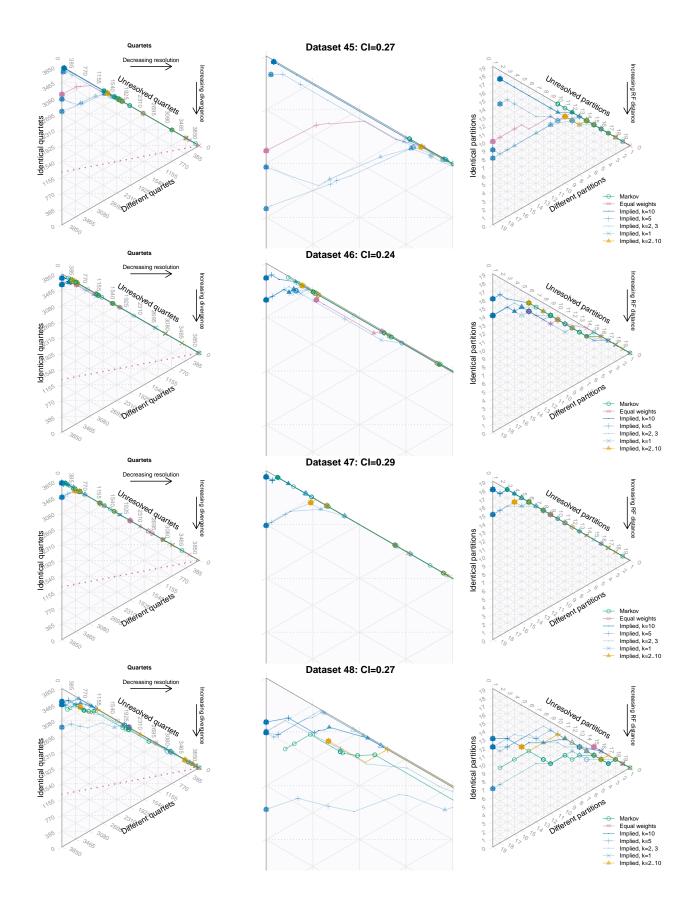


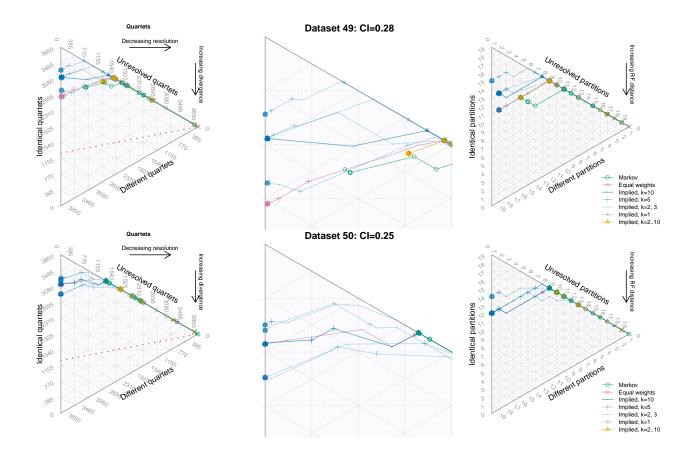




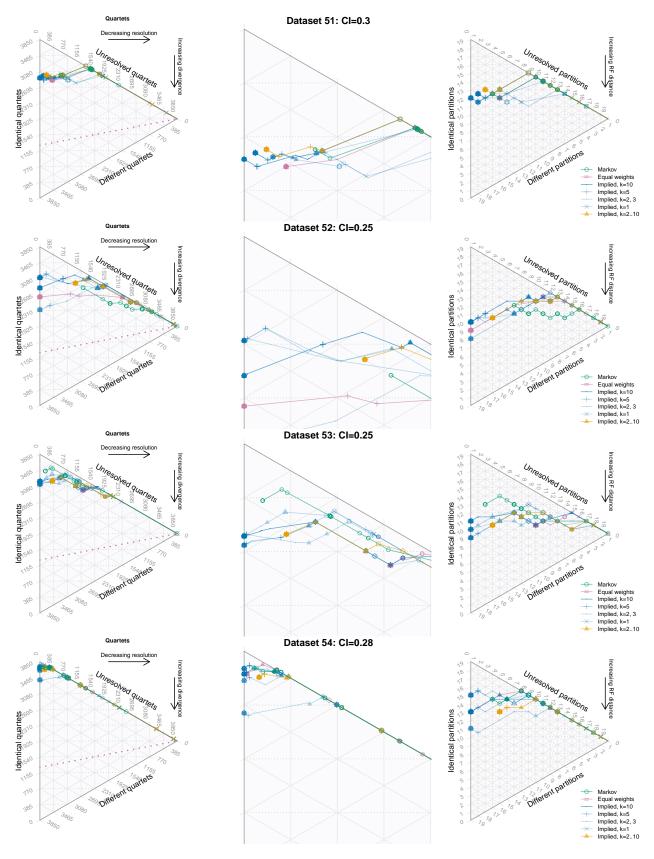
0.6 Trees 41-50

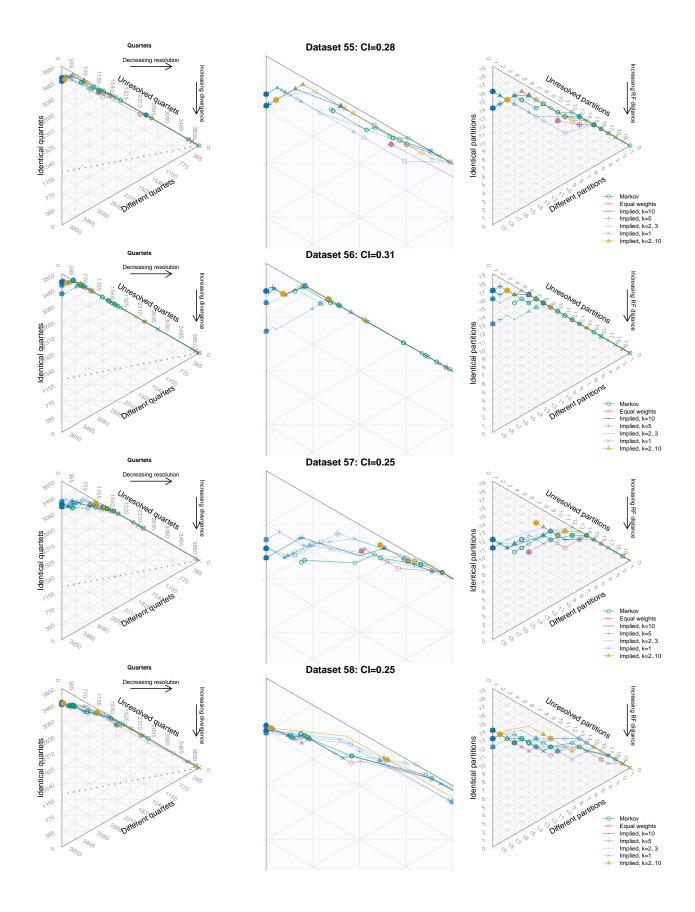


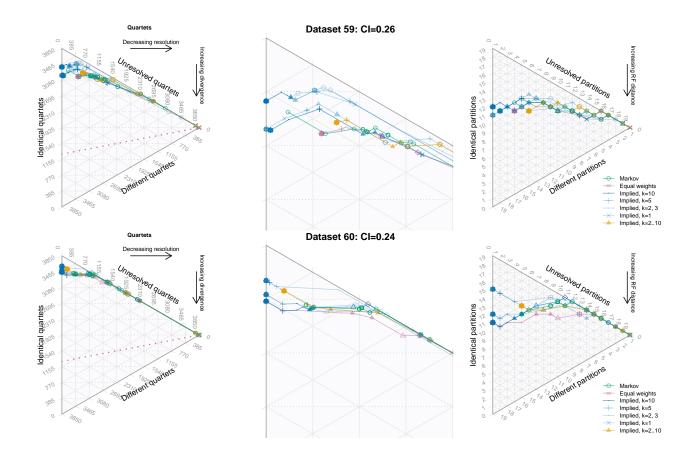




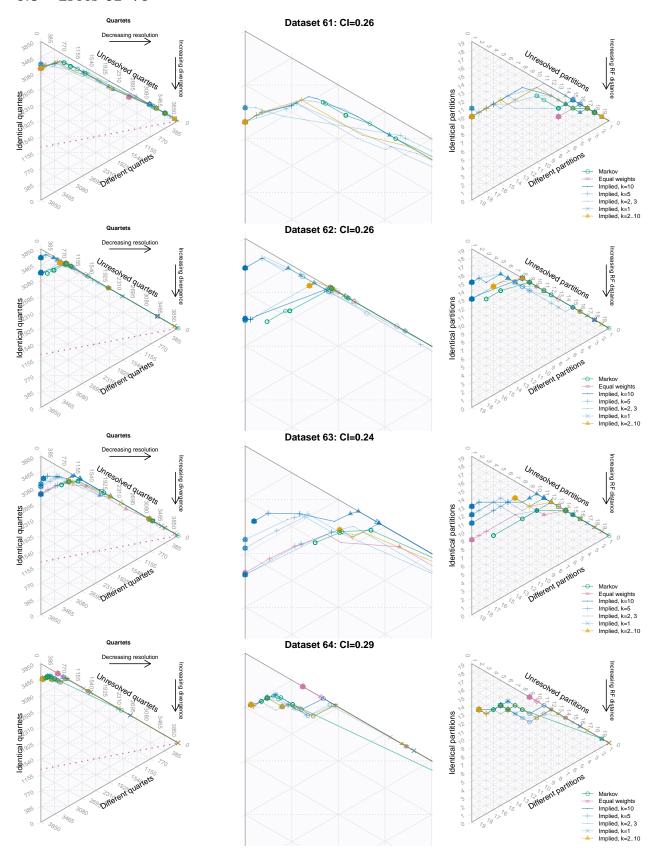
0.7 Trees 51-60

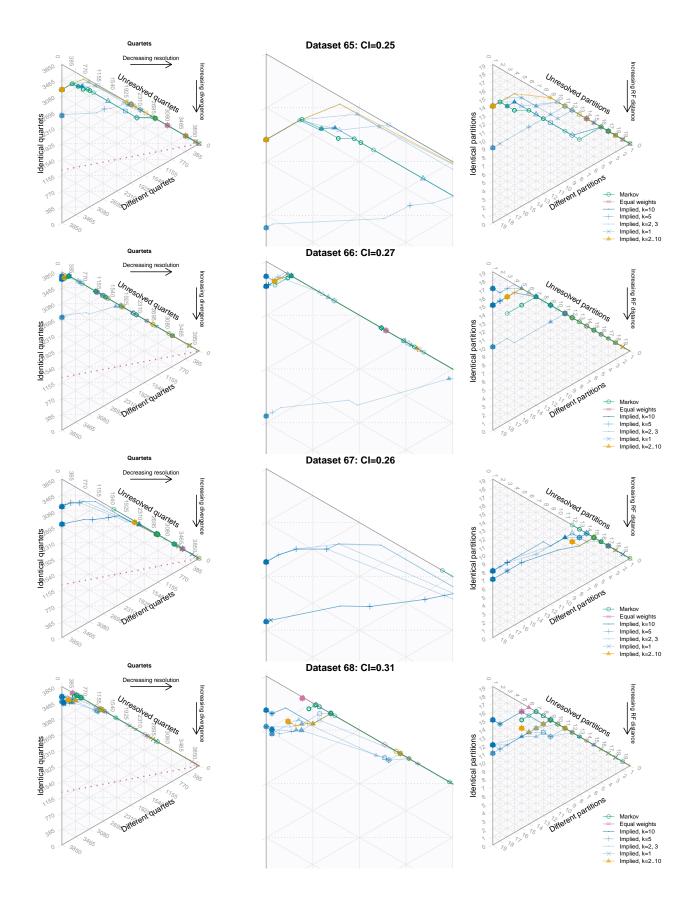


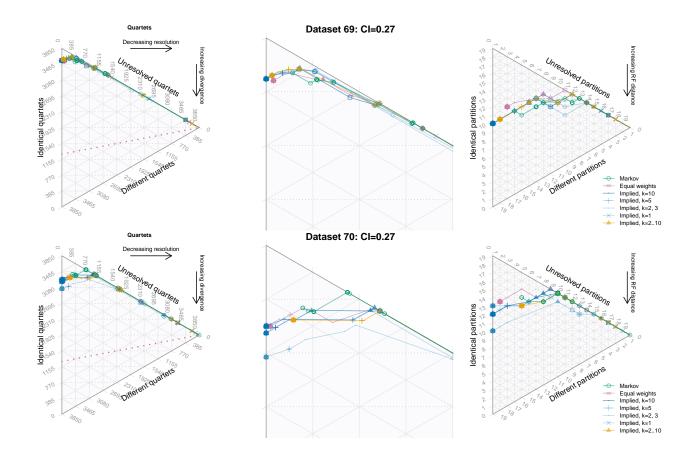




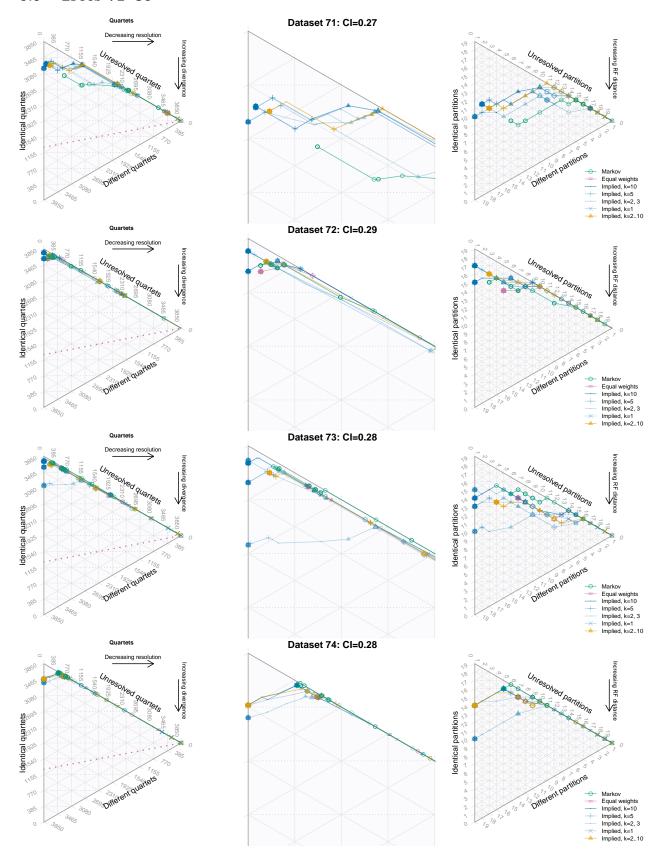
0.8 Trees 61-70

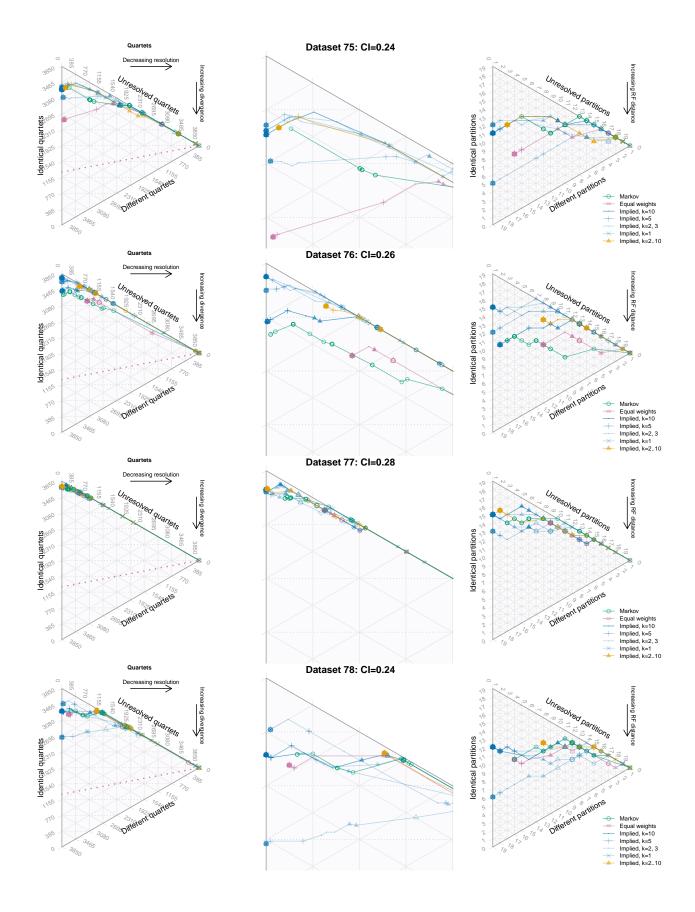


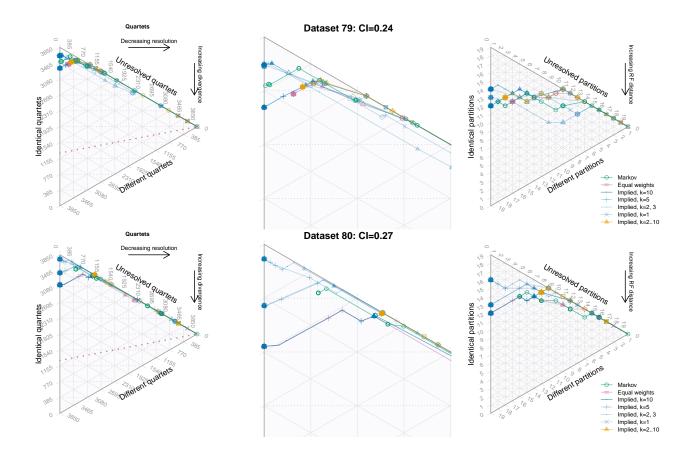




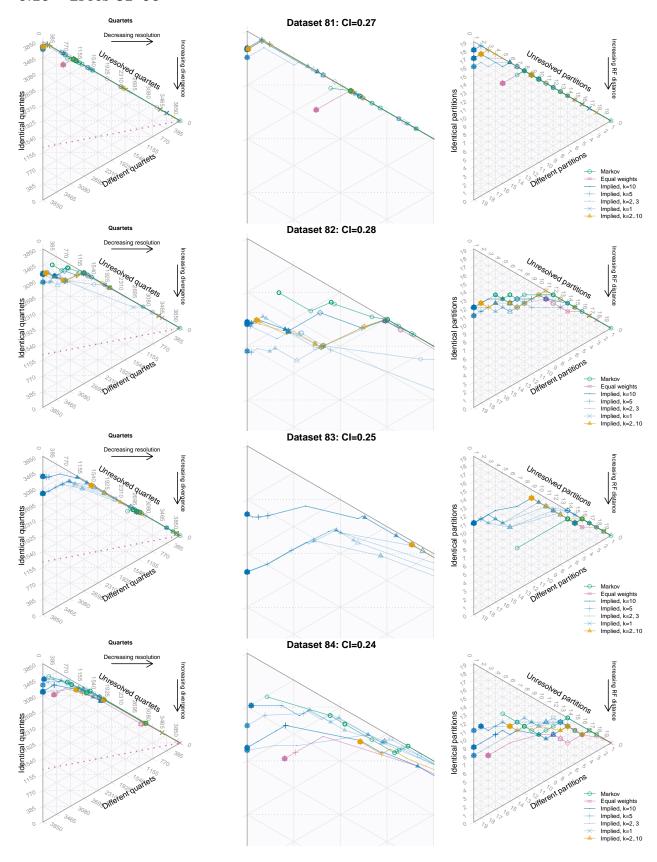
0.9 Trees 71–80

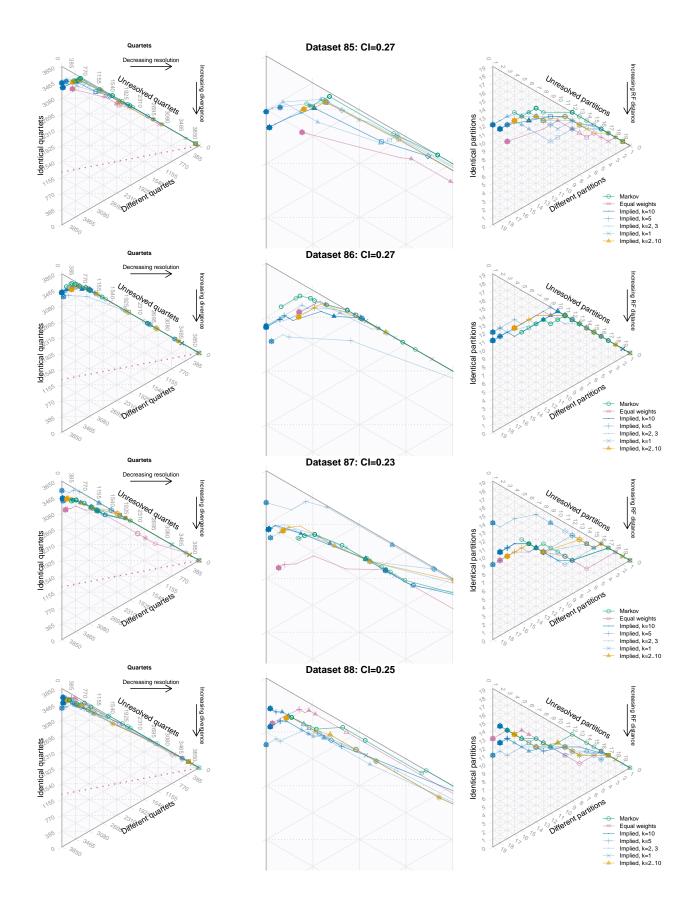


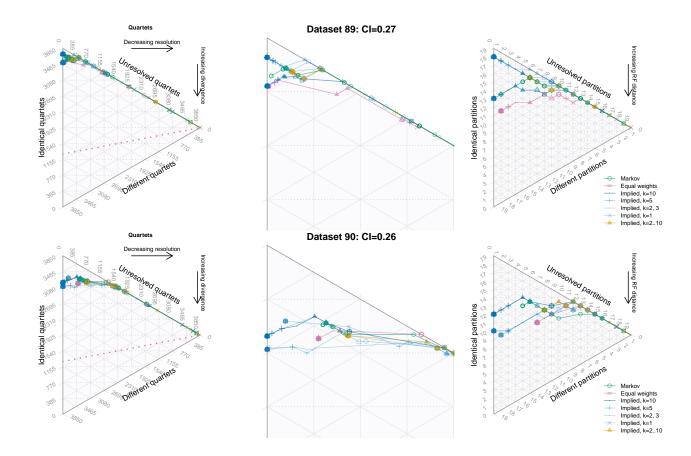




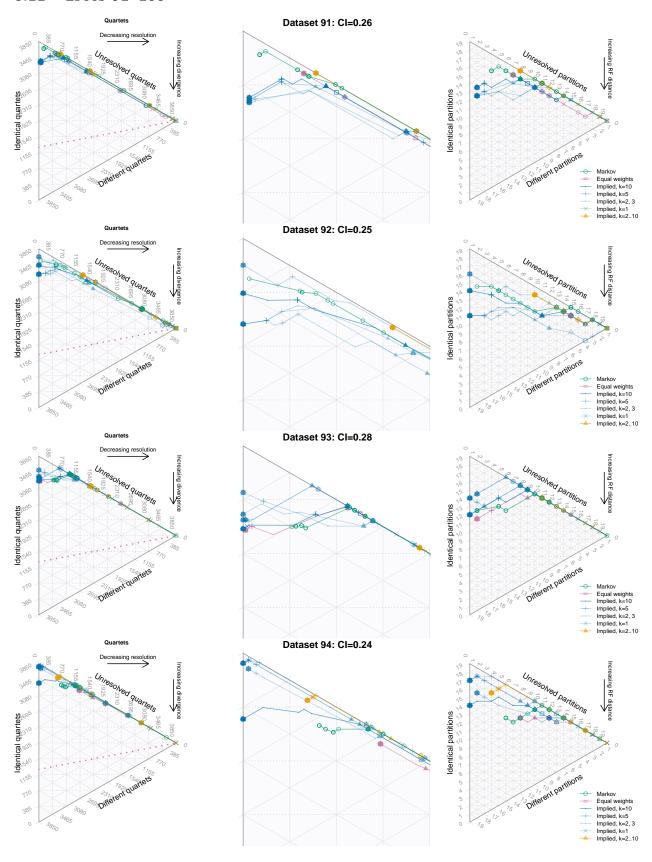
0.10 Trees 81-90

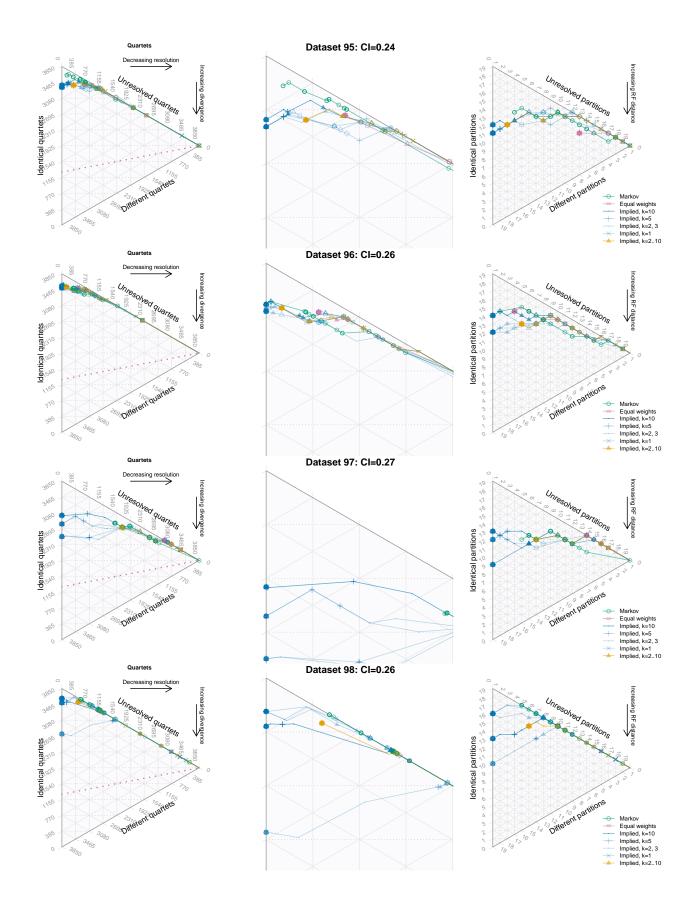


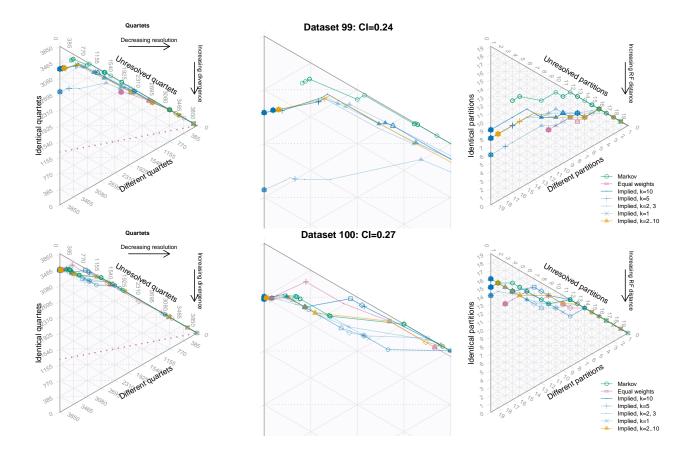




0.11 Trees 91–100







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. In press. Bayesian and parsimony approaches reconstruct informative trees from simulated morphological datasets. $Biology\ Letters;\ preprint\ at\ BioRxiv\ (doi:10.1101/227942)$