# Resolution and accuracy in Congreve & Lamsdell matrices

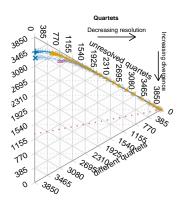
 $Martin\ R.\ Smith\ martin.smith@durham.ac.uk\\ 2019-10-20$ 

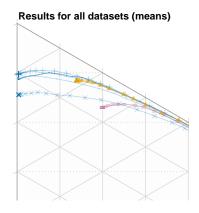
# Contents

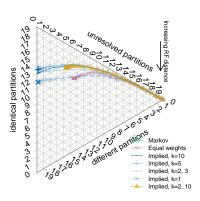
0.1	Summary																					1
0.2	Trees $1–10$												 									2
0.3	Trees $11-20$ .												 									5
0.4	Trees $21–30$ .												 									8
0.5	Trees $31$ – $40$ .												 									11
0.6	Trees $41–50$ .												 									14
0.7	Trees $51–60$ .																					17
0.8	Trees $61-70$ .																					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.

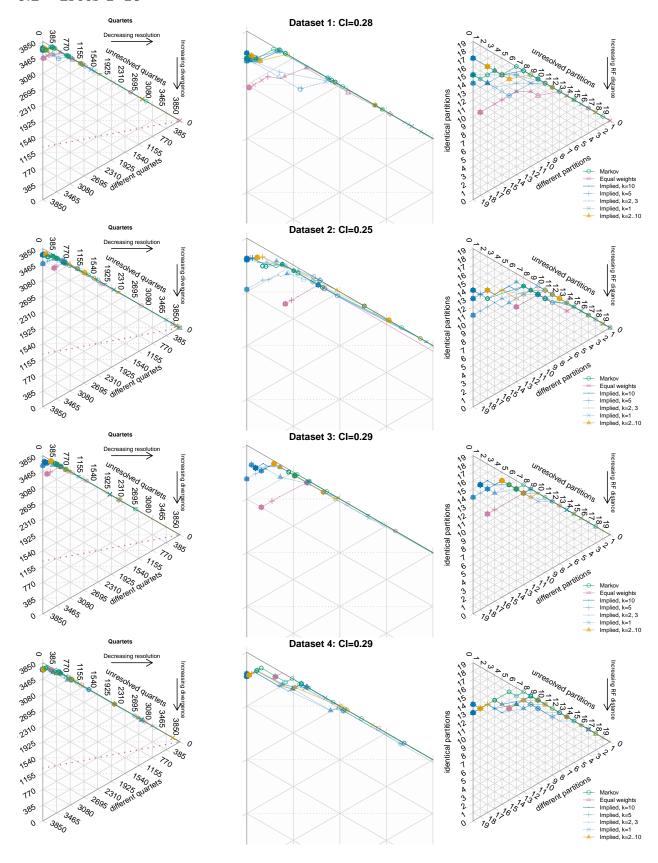
# 0.1 Summary

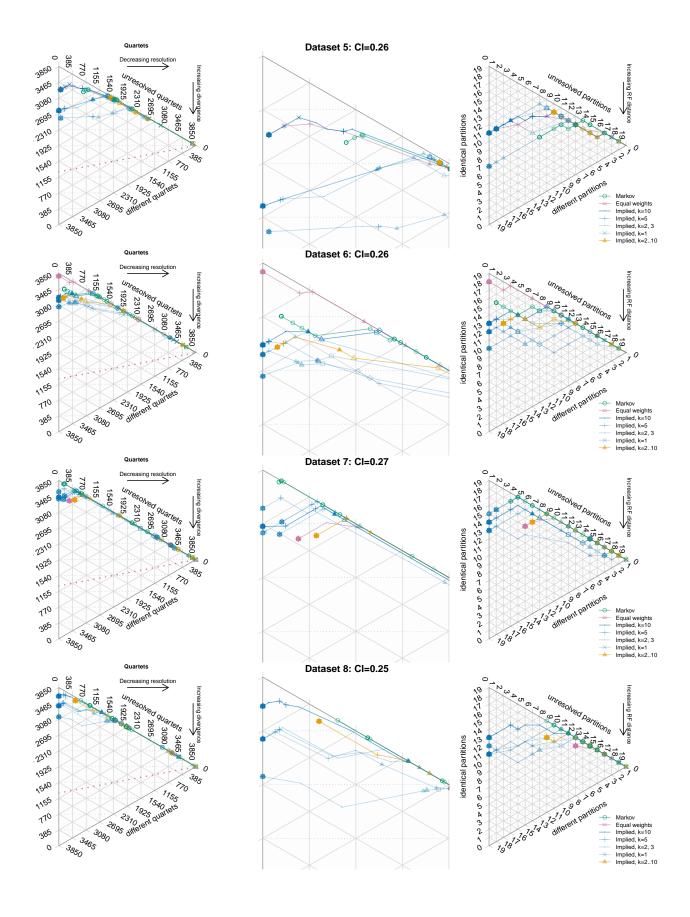


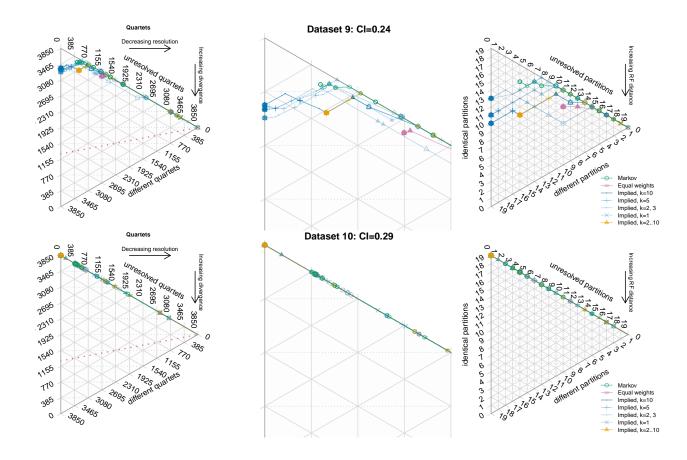




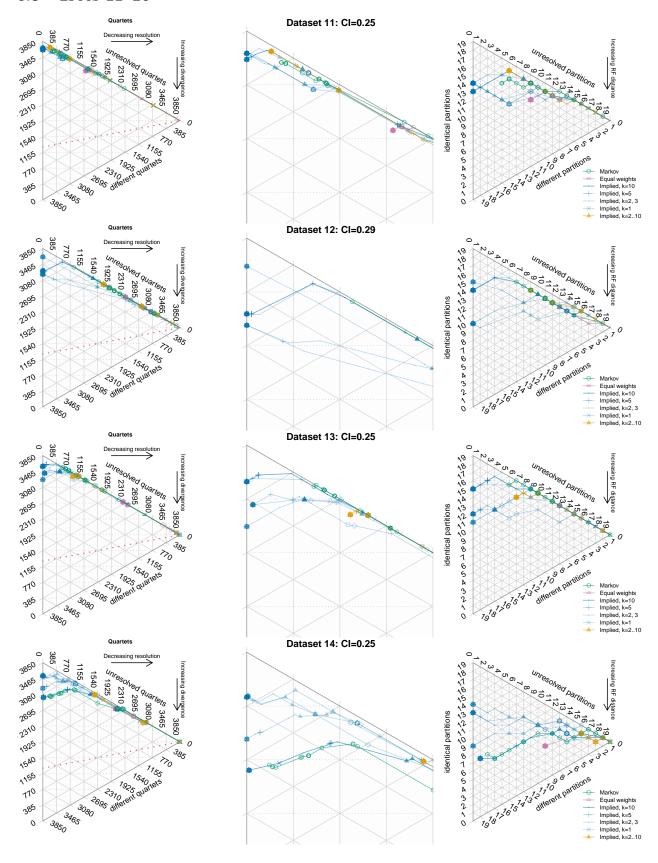
#### 0.2 Trees 1-10

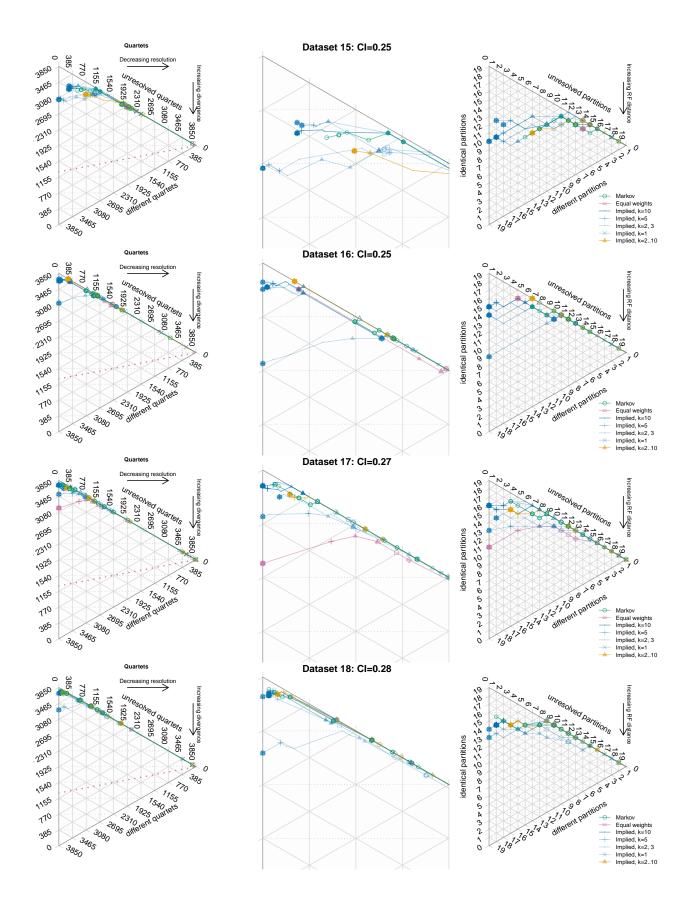


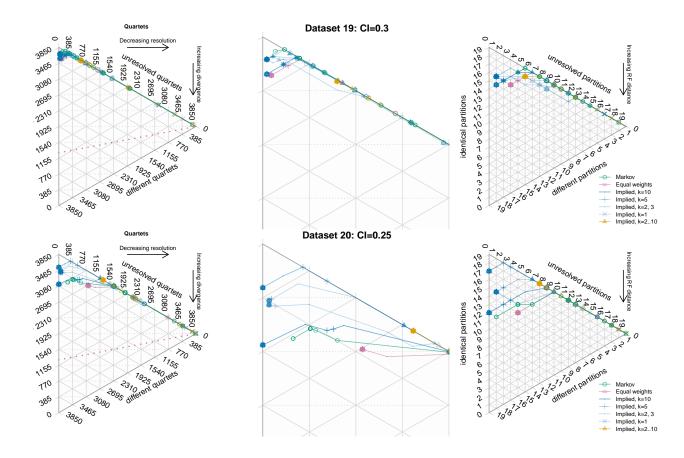




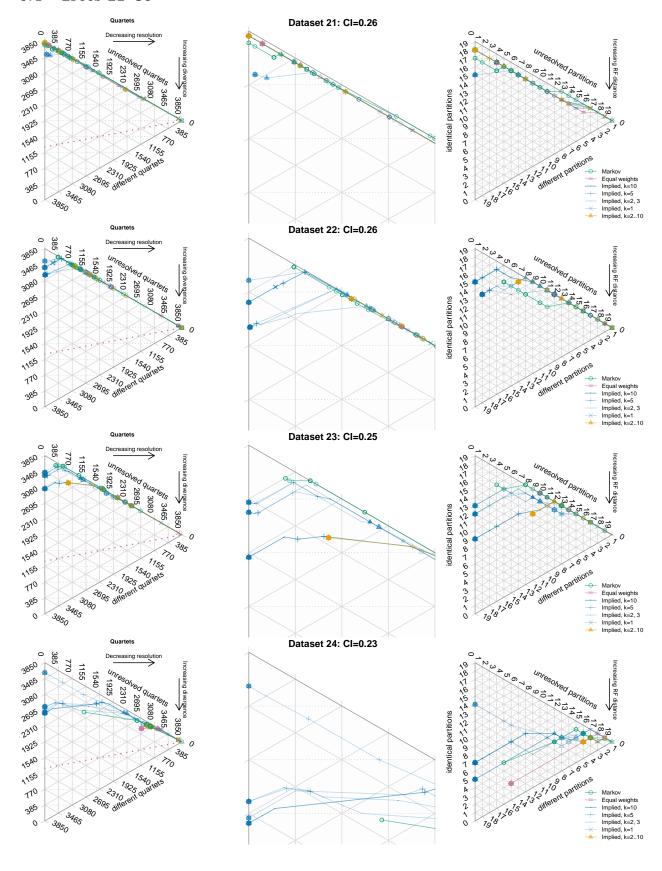
#### 0.3 Trees 11-20

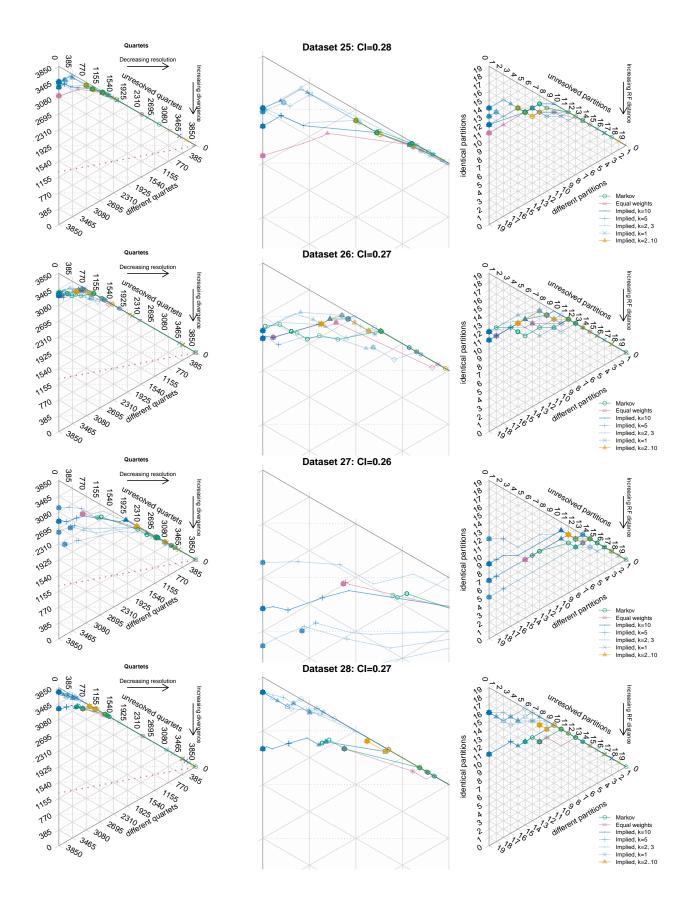


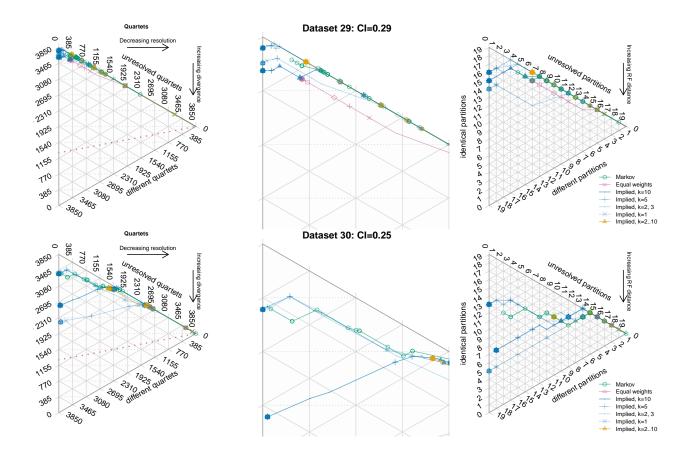




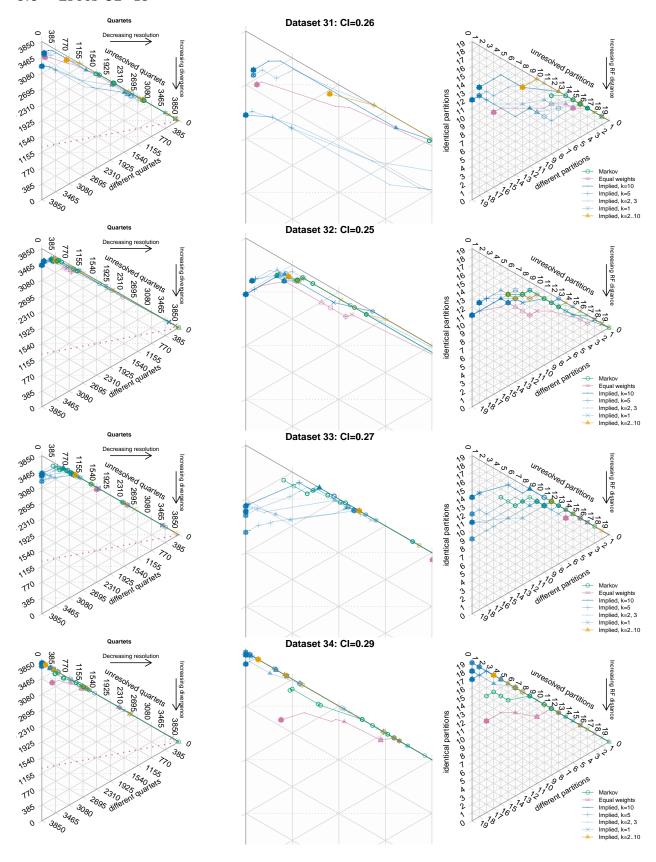
## 0.4 Trees 21-30

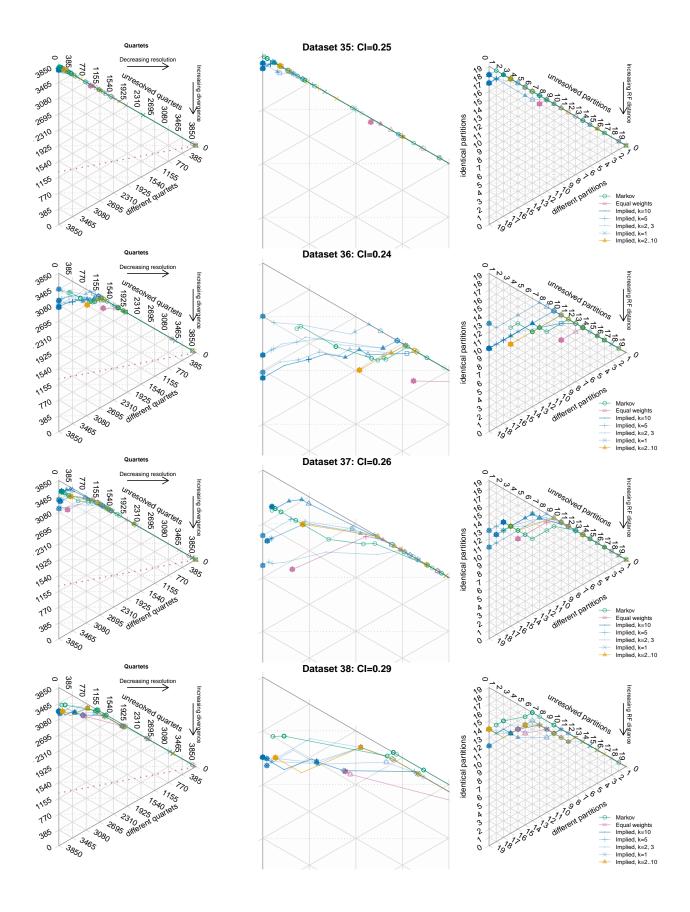


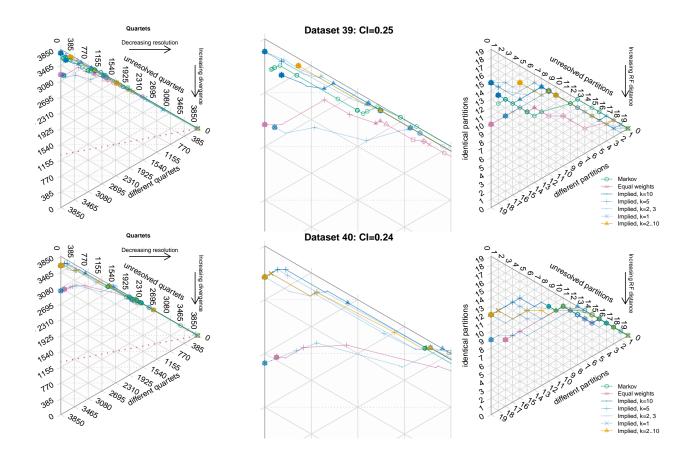




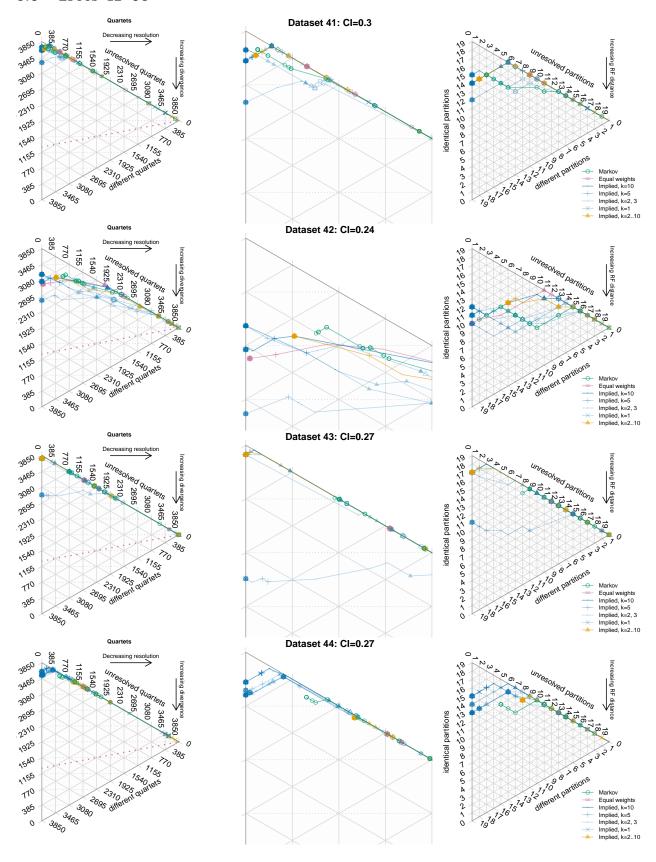
#### 0.5 Trees 31-40

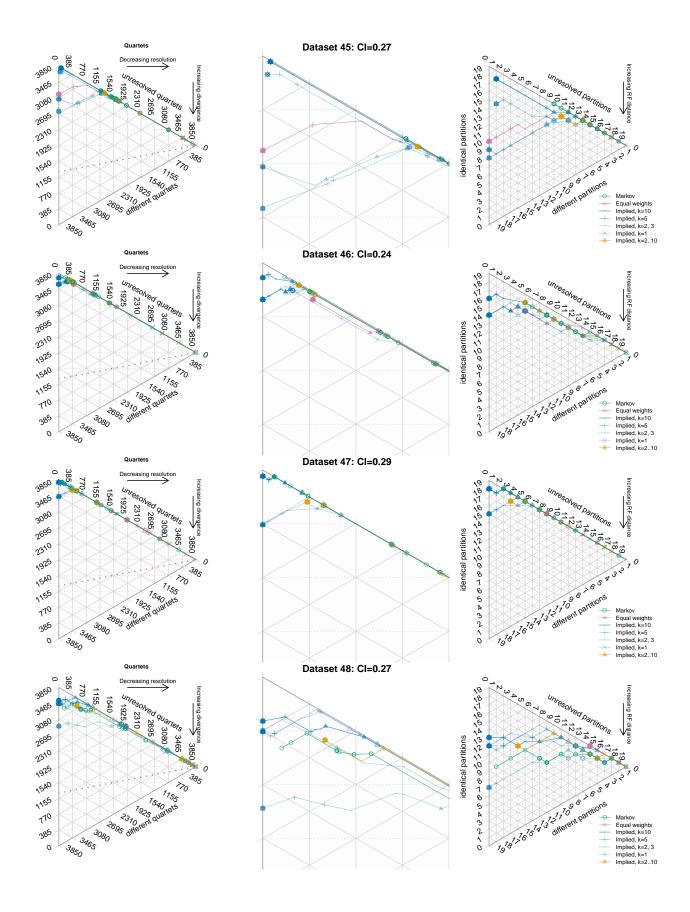


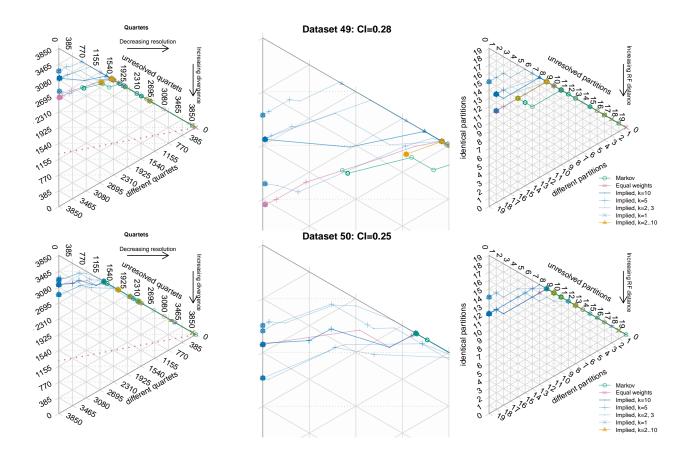




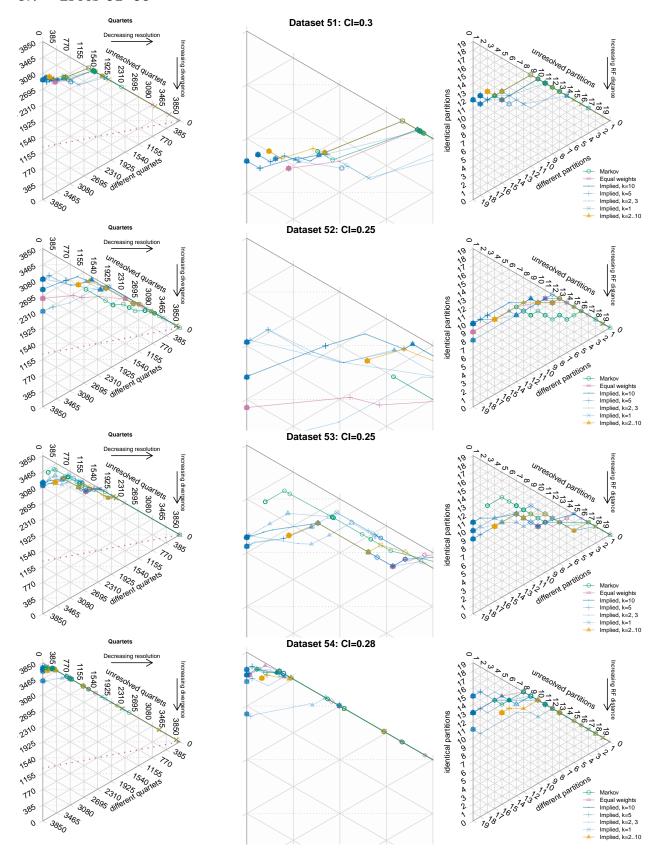
#### 0.6 Trees 41-50

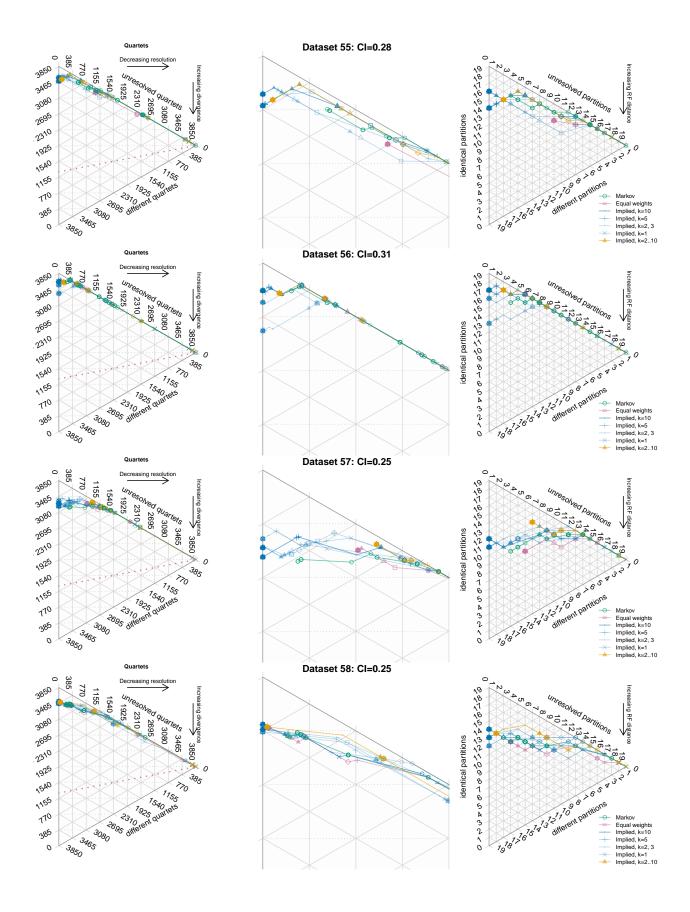


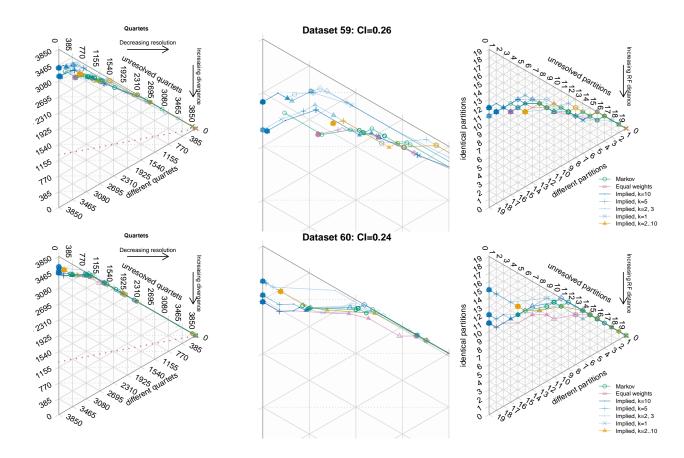




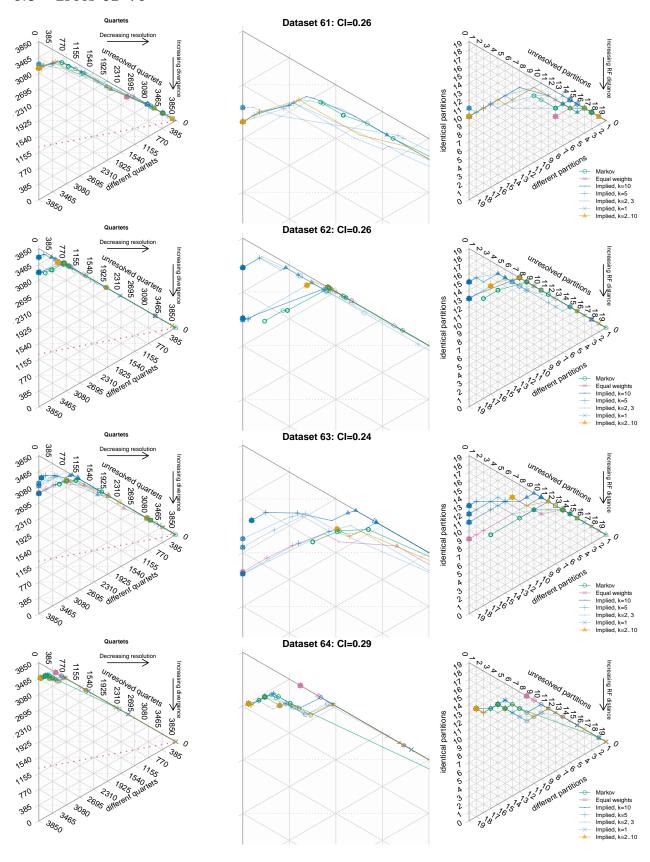
#### 0.7 Trees 51-60

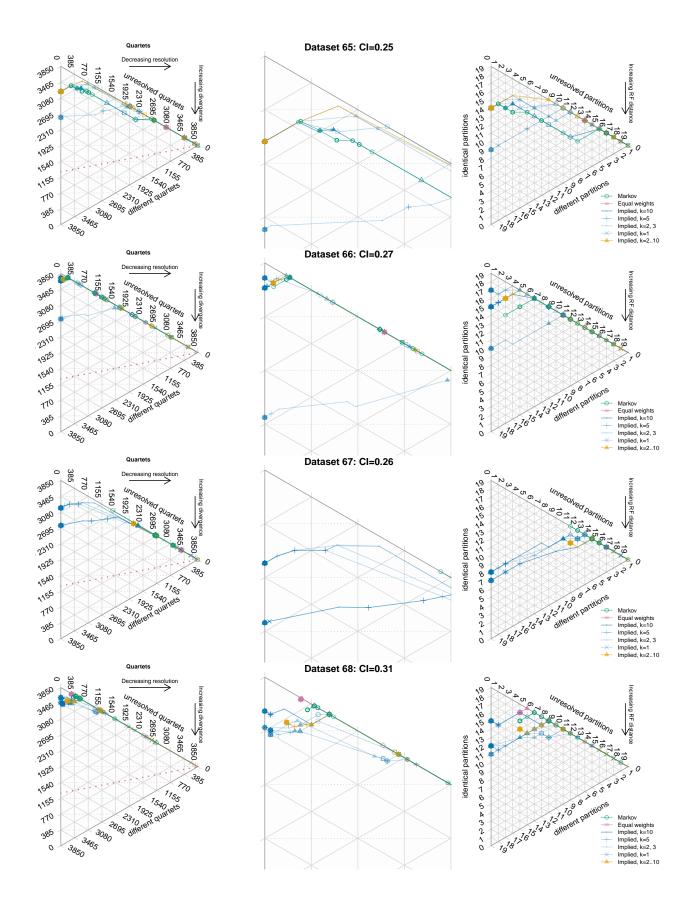


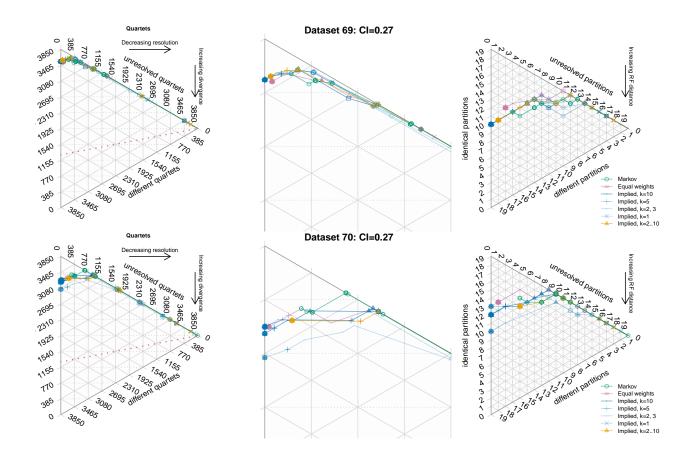




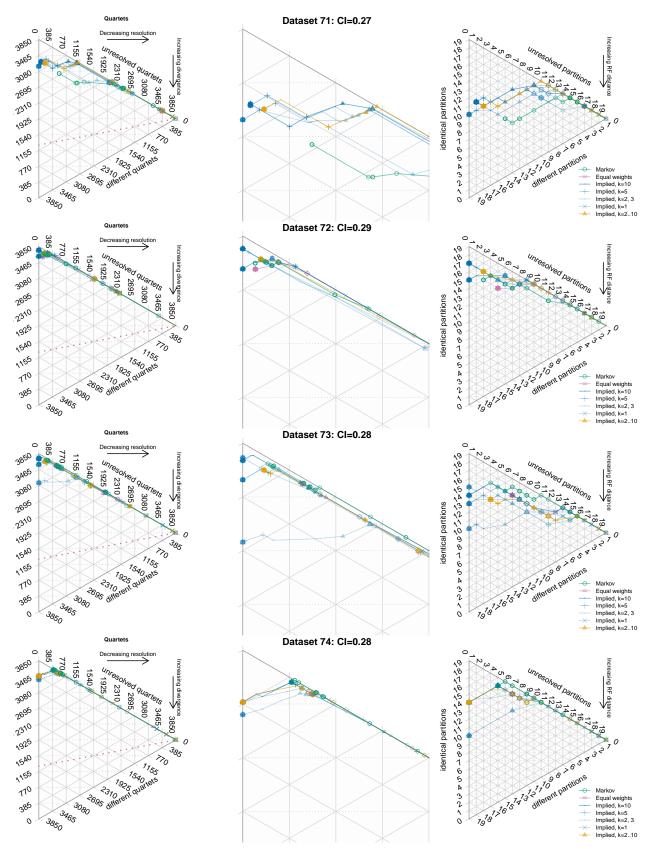
#### 0.8 Trees 61-70

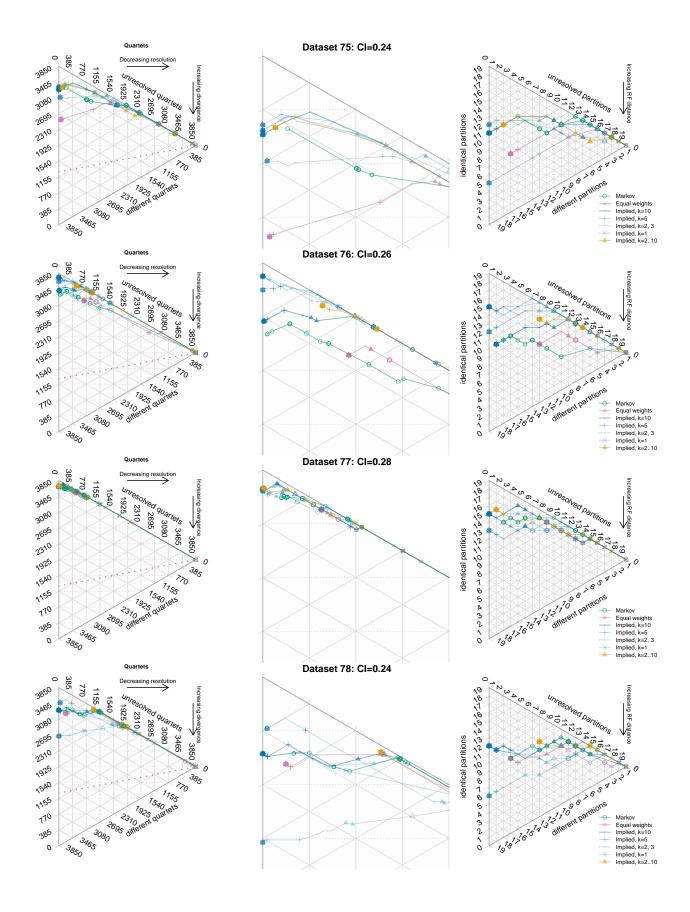


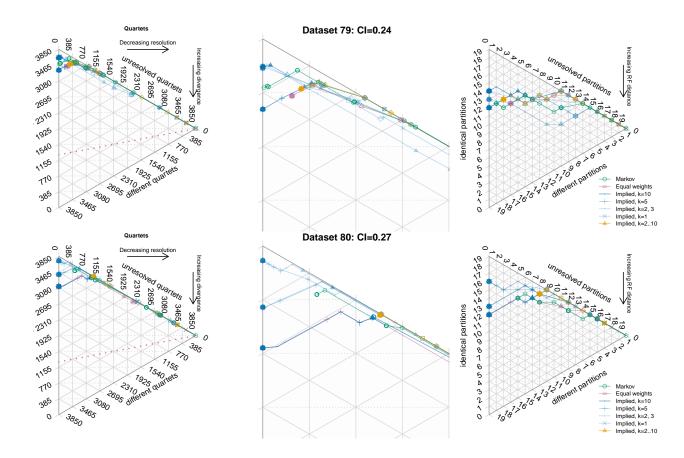




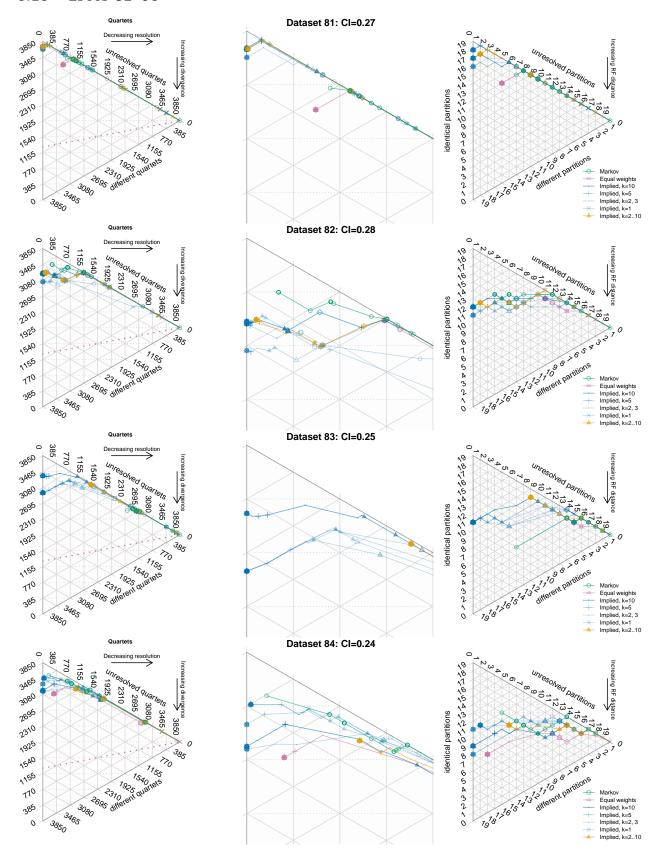
## 0.9 Trees 71-80

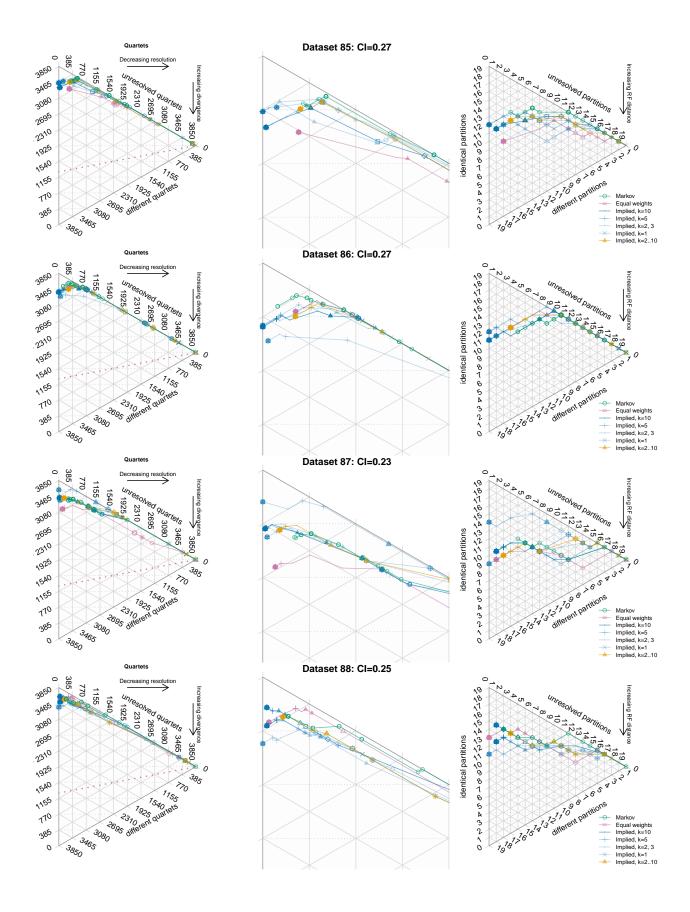


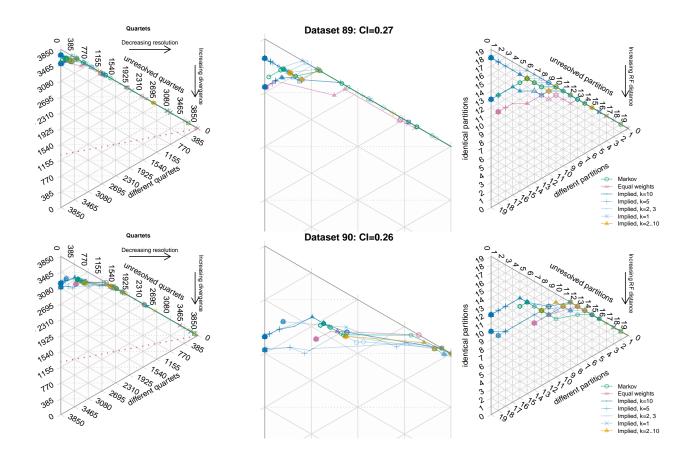




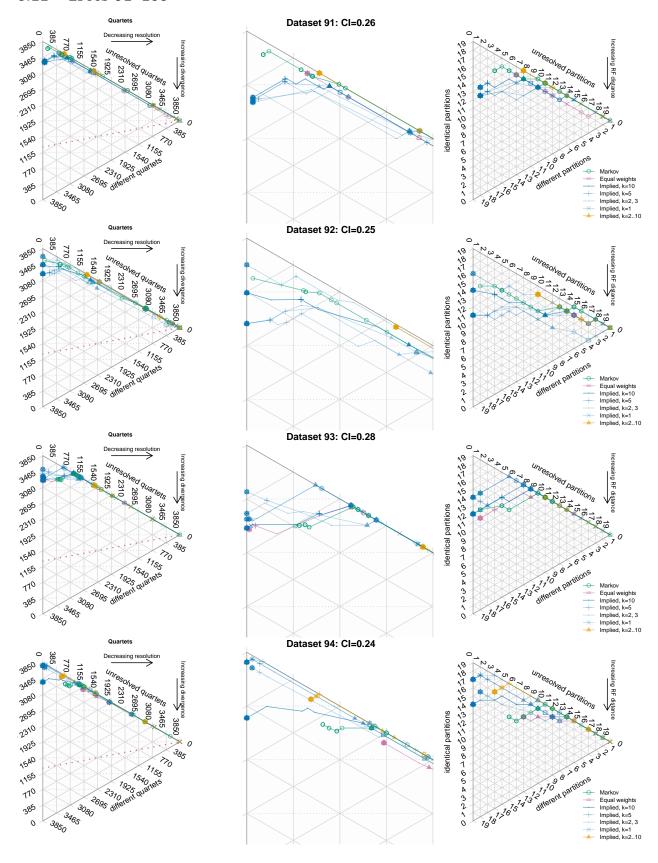
## 0.10 Trees 81–90

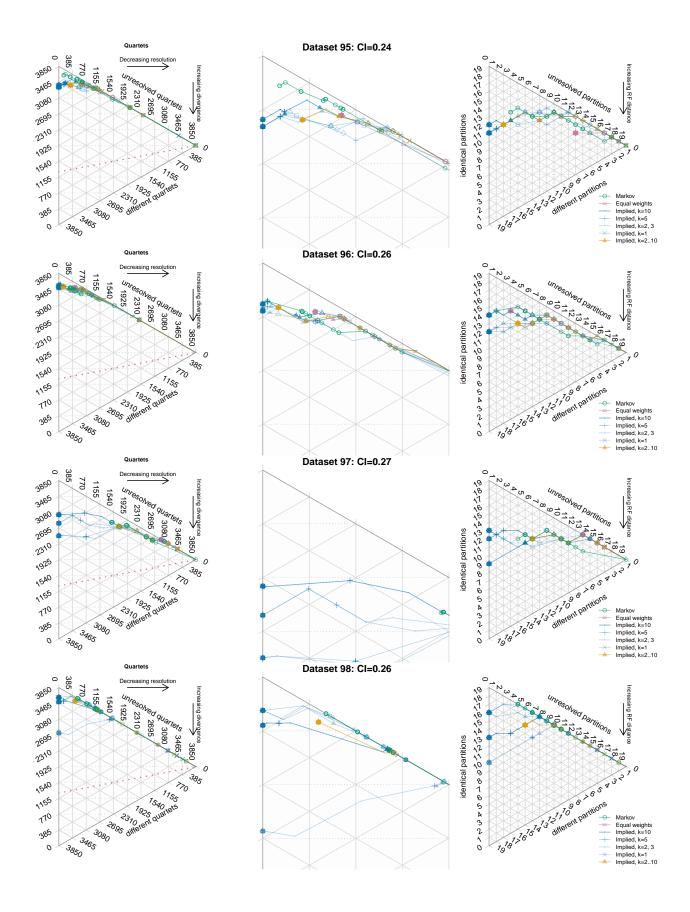


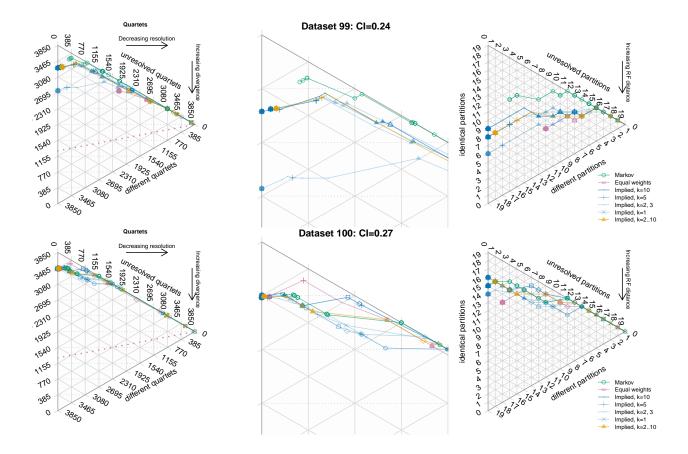




#### 0.11 Trees 91-100







# 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)