RESULTS

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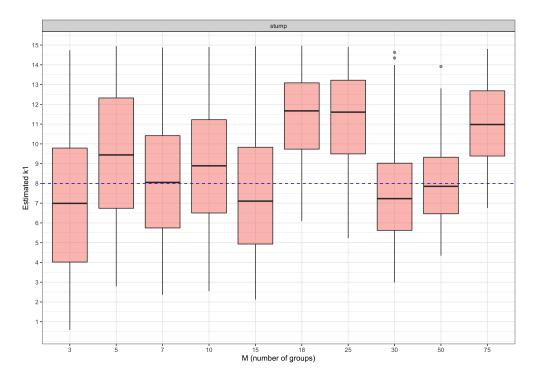
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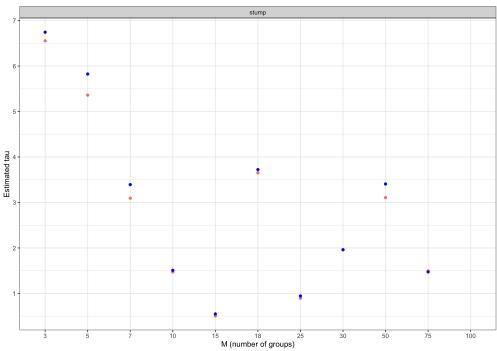
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k_1 results for different m (number of groups) values

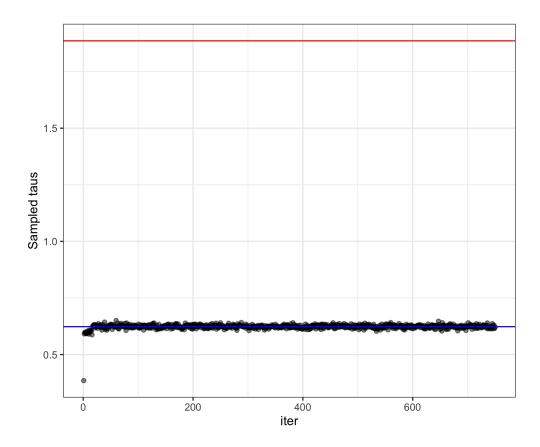
- n = 1000; k1 = 8; k2 = 10; μ_{μ} = 0; α = 0.5; β = 1;
- Goal: to see if there are differences in the estimation of k_1 when m changes
- Stump (no tree structure)
- Blue dots represent true τ s and pink dots represent their estimate





k_1 results when 'fitting' a tree from zero

- Fixed small tree (one split, 2 nodes) in $X_1 < 0.5$
- n = 1000; k1 = 8; k2 = 10; μ_{μ} = 0; α = 0.5; β = 1; m = 5
- \bullet Simulation frameworks: Bruna's
- k_1 comes from a uniform min_u = 0, max_u = 20 with a weibull prior
- Red lines represent true values;
- Blue lines represent the average



model	RSS.with.group	RSS.without.group
mhb	6605.336	37951.98
RF	4650.586	44030.30
$_{ m tree}$	14690.974	33074.50

