

A brief story of (my) time
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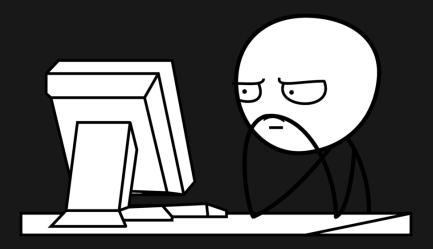
Aims

- Understand the effects of different diets on the diversification of the group
- ► Test the performance of widely used methods
- Assess the relationship between diversification dynamics and ecological role in frugivory networks



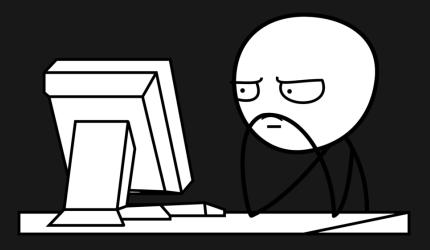
Methods

► diversitree



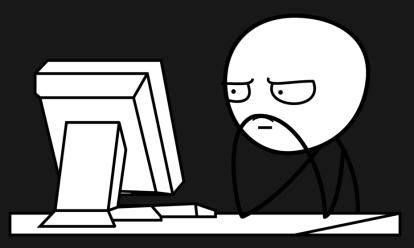
Methods

- diversitree
- ► 200 topologies (2 backbones)



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- ► 200 topologies (2 backbones)
- ▶ Bayesian framework: 2 months of processing

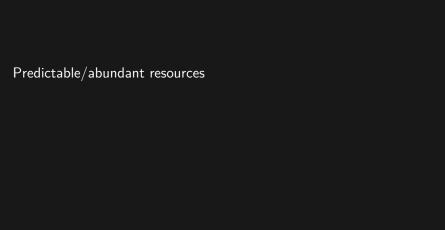


Rabosky & Goldberg 2015

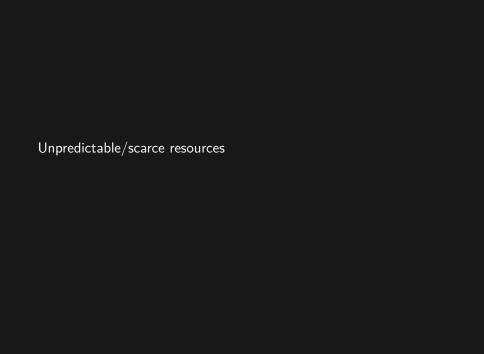


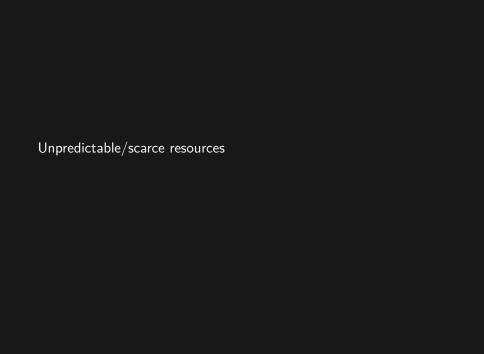




























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Take home messages

- Both models behave well in the very recent past
- ▶ Both attribute variation in diversification to speciation rates
- ▶ Difficulty in estimating variation in extinction rates
- ► Bad estimates at the root
- Do not agree on empirical trees

acroevolutionary imprints on the assembly of frugivory network
ustavo BURIN; Paulo GUIMARÃES; Tiago QUENTAL

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Louca & Pennell 2020

Postdoc







Collaborations

















Obrigado!

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