Missing Data in Phylogenomics

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e Afraid Be Very A-Fraid



CALM

CARRY ON

Outline

Fears about missing data

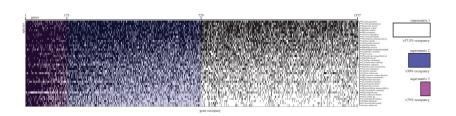
History of the problem

Why it's no longer a problem

Why it's still a problem

Wrap up





Gonzalez et al. 2015

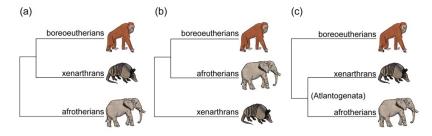
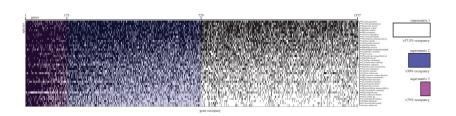


Figure 1. The root of the evolutionary tree of living placental mammals. (a) Afrotherian root. (b) Xenarthran root. (c) Atlantogenatan root.

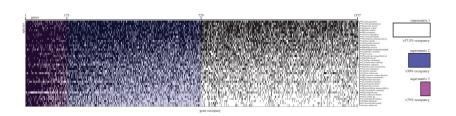




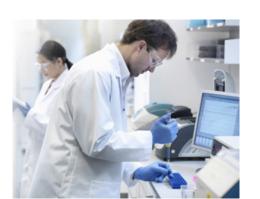


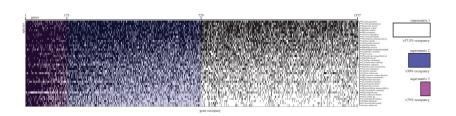


Gonzalez et al. 2015



Gonzalez et al. 2015





Gonzalez et al. 2015

Who save mice

Who says missing data is a problem?

Morphology to Genomes







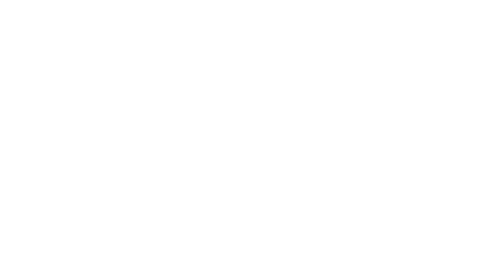








We have more data now



Simulation studies