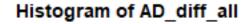
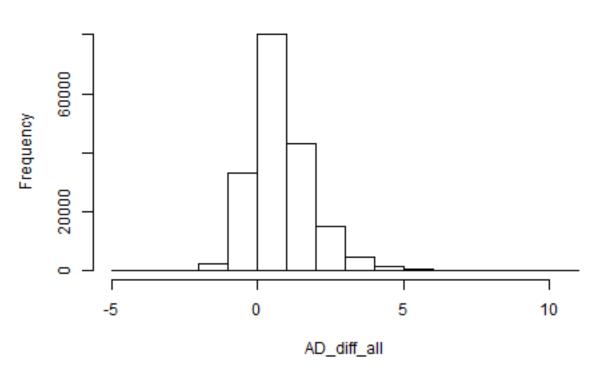
## Using Simulations To Examine Temporal Discrepancy Between the First Appearance Times of Ancestors and Descendants

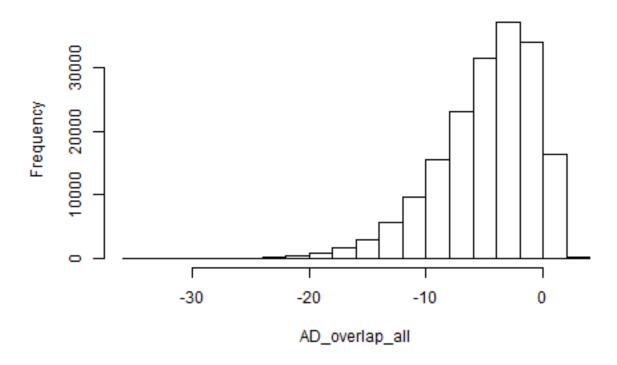
David Bapst July 16, 2019

Du and Alemseged 2019: Temporal Evidence and Ancestor-Descendant Relationships



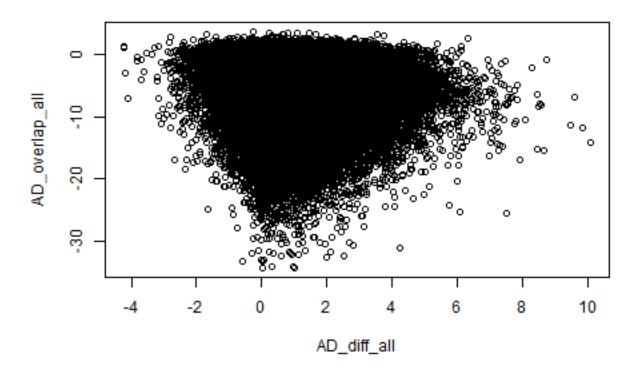


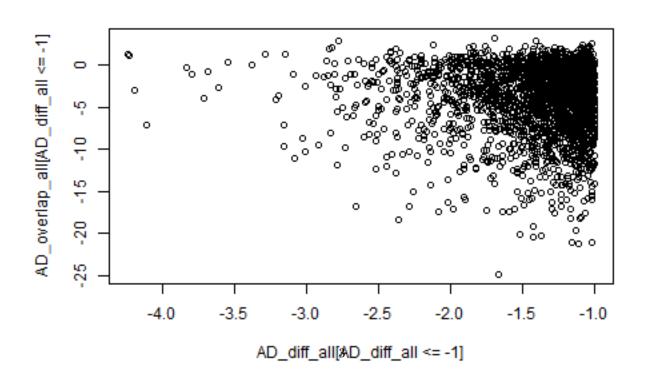
## Histogram of AD\_overlap\_all

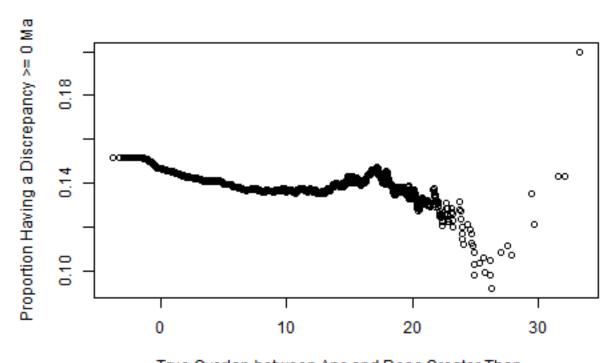


## [1] 59086

Comparing Simulation Results to Du and Alemseged's Model Expectations

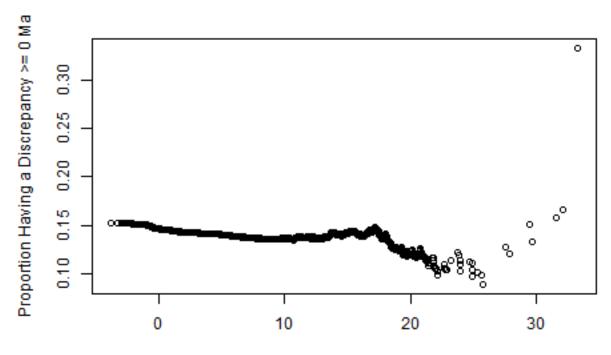






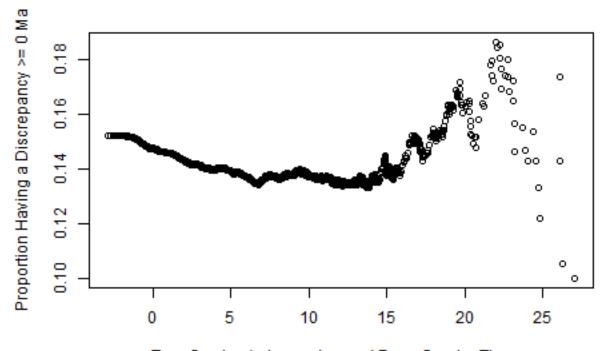
True Overlap between Anc and Desc Greater Than...

## [1] 27338



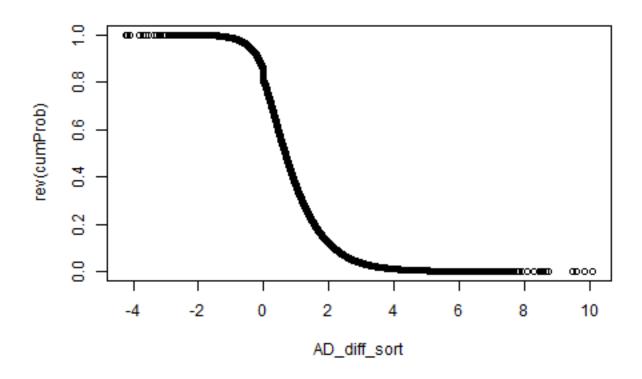
True Overlap between Anc and Desc Greater Than...

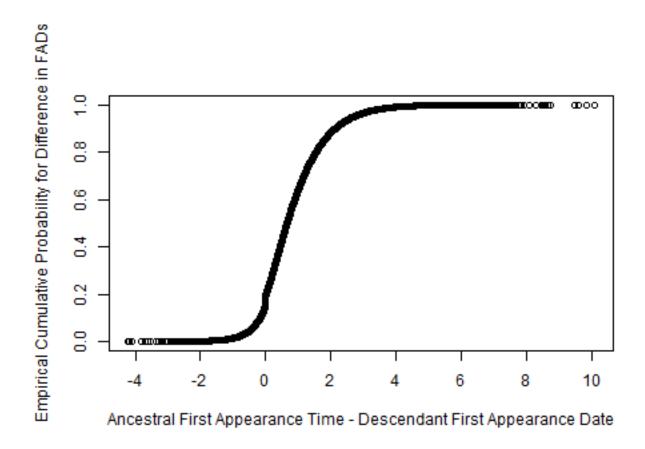
## [1] 18473



True Overlap between Anc and Desc Greater Than...

## [1] 8865





- ## [1] 0.1522197
- ## [1] 0.01356297
- ## [1] 0.001294092