

- (a) (b) simulate mixture (c) write out mixture model (d)
 (i) Given tree topology. estimate branch length + rate matrix

Rob (2) " " " " "latent" + mixture

(3) Learn branch-specific rate matrix

(4) " " " " " " to 12 param.

PW- (5) ~~Search strategy over tree structures.~~
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(6) "Hybridization" across different ^{genes} ~~genome~~.
 ? how many trees

(7) determine # of rate matrices in (3).

(8) " # of mixtures in (2).

(9) classify which tree structure in toy cases

▷ (10) " " " " " " estimate rate matrix

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