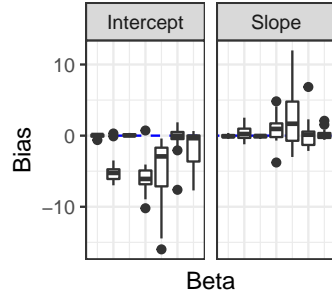


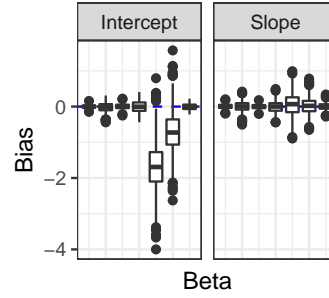
A Dirichlet-Multinomial mixed model for detecting global changes in mutational process activity

LENA MORRILL GAVARRÓ, DOMINIQUE-LAURENT COUTURIER,
FLORIAN MARKOWETZ

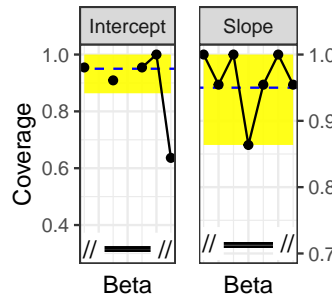
May 8, 2023



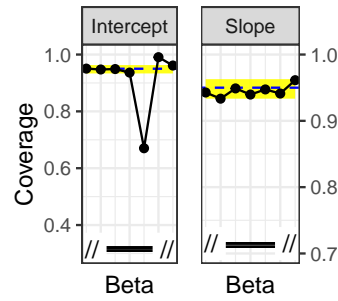
(a) Bias, $\lambda = 2$



(b) Bias, $\lambda = 20$



(c) Coverage, $\lambda = 2$



(d) Coverage, $\lambda = 20$

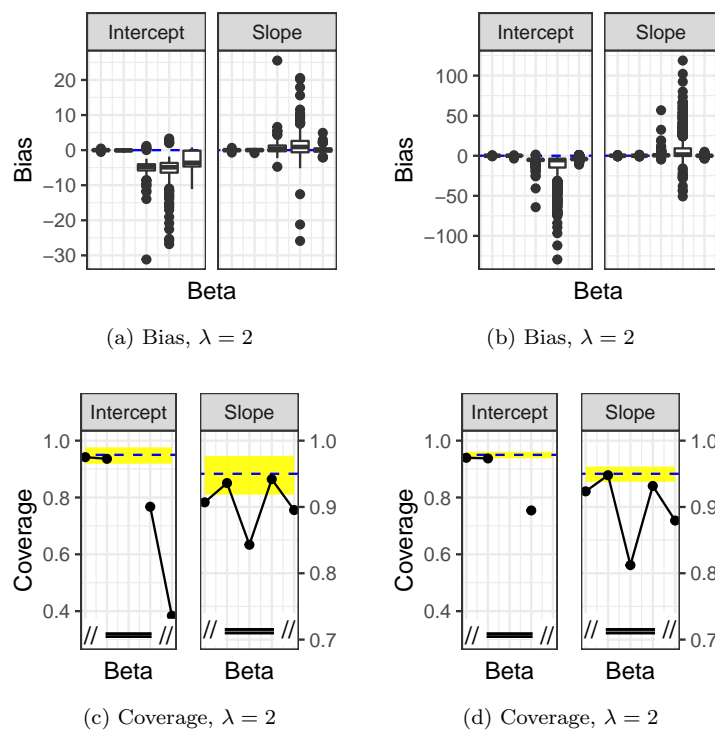


Figure 1: PCAWG2

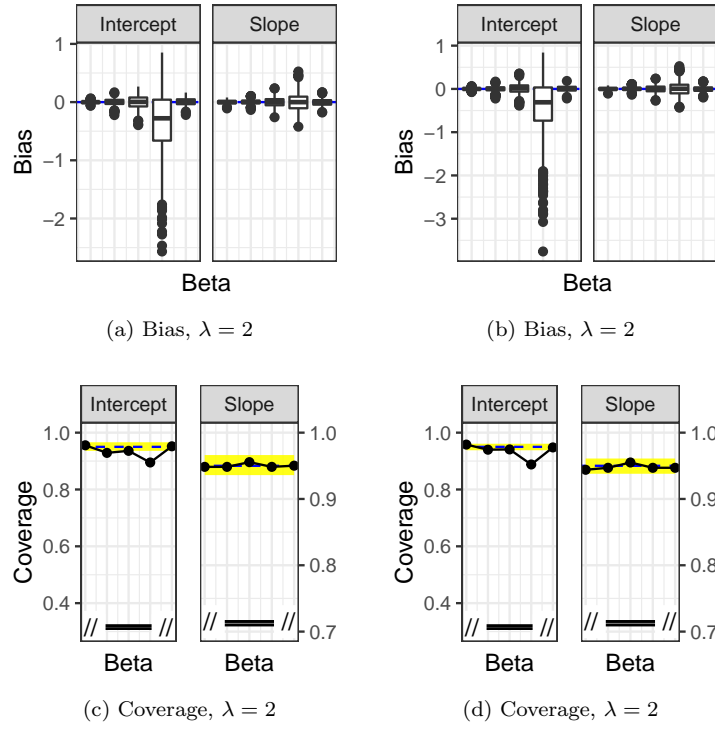
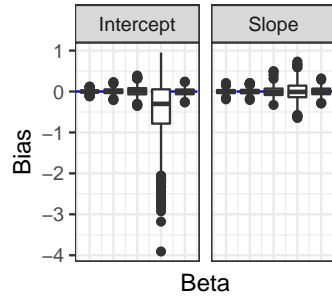
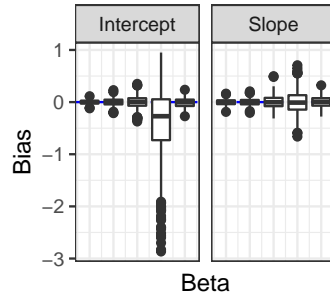


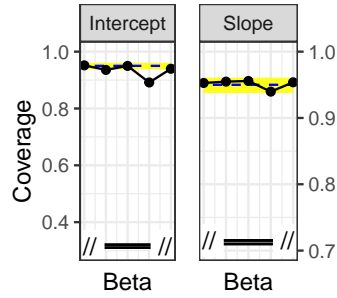
Figure 2: Same as above (PCAWG2), but with very large precision param (100)



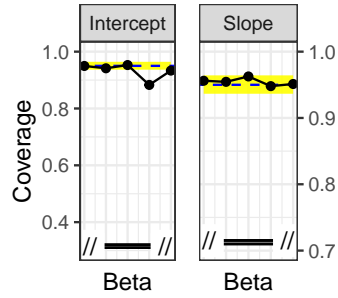
(a) Bias, $\lambda = 2$



(b) Bias, $\lambda = 2$



(c) Coverage, $\lambda = 2$



(d) Coverage, $\lambda = 2$

Figure 3: Same as above, but with very large precision param (100)

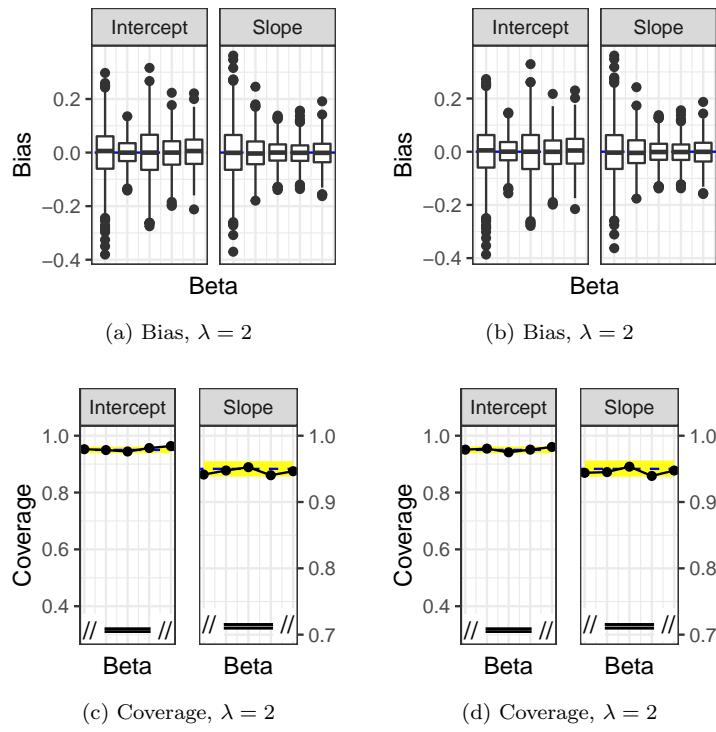


Figure 4: 200 14072 80 6 0 fullREDM betainterceptPCAWG4 betaslopeP-CAWG4 covmatPCAWG4

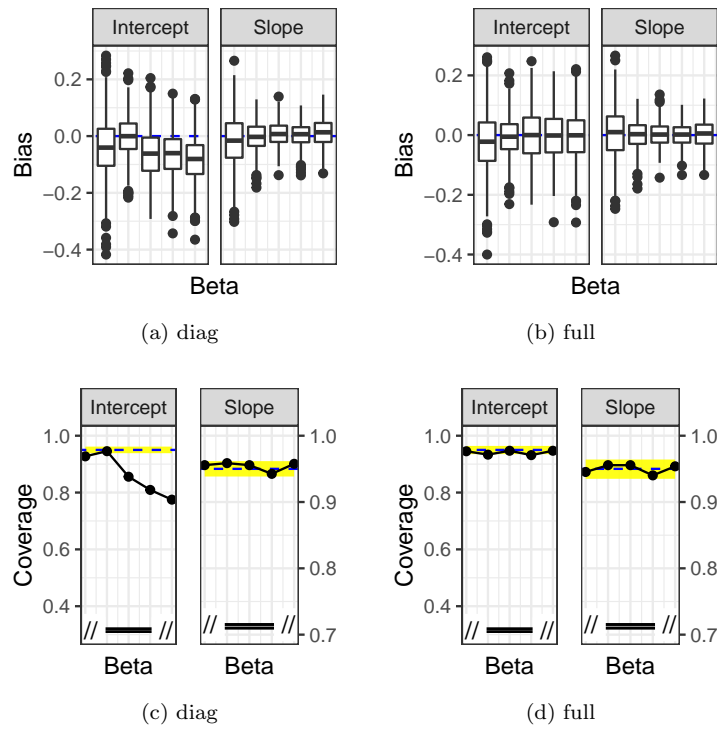


Figure 5: 200 14072 80 6 0 fullREDM betainterceptPCAWG4 betaslopeP-CAWG4 covmatPCAWG4