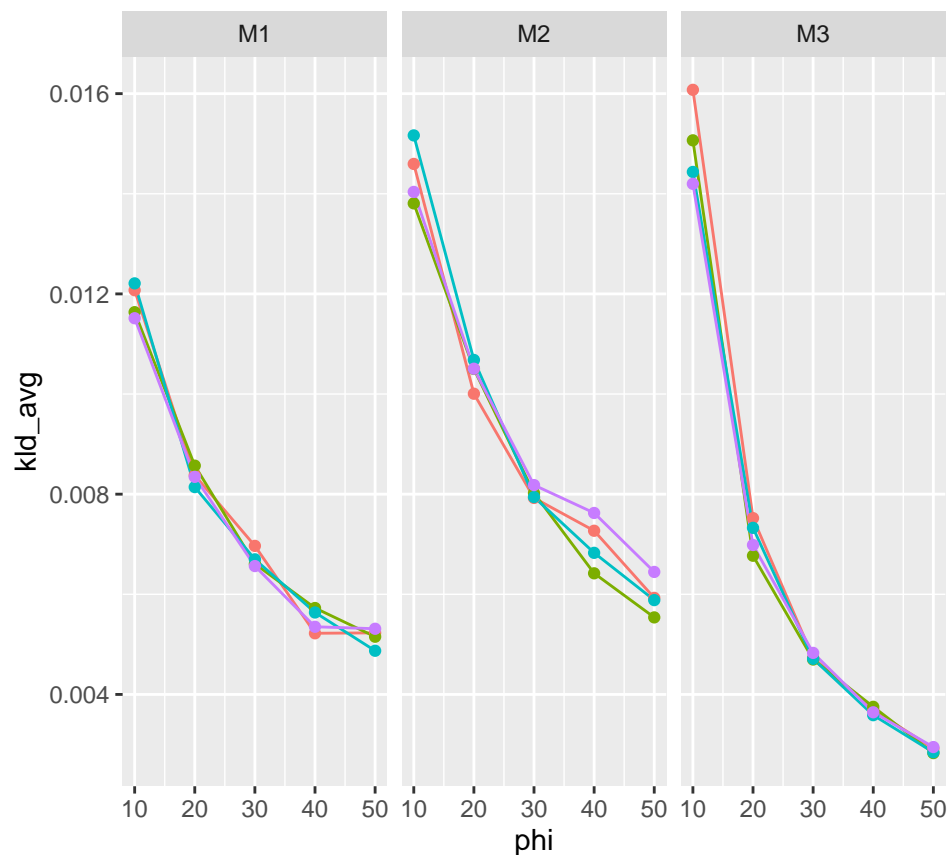
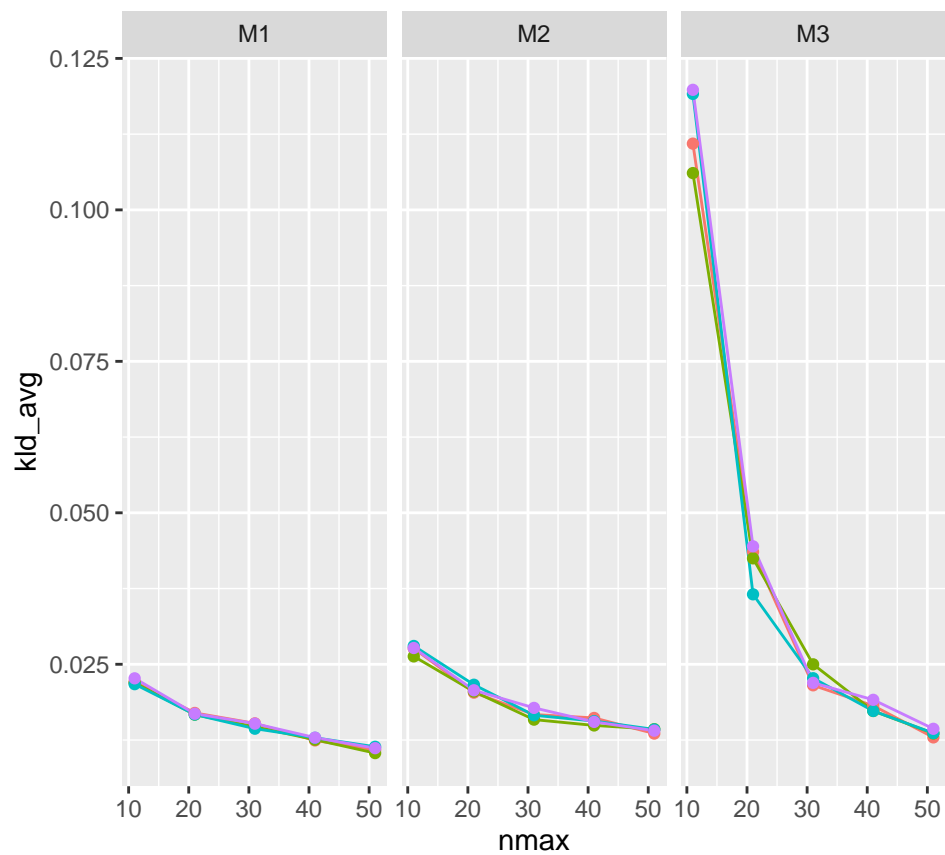
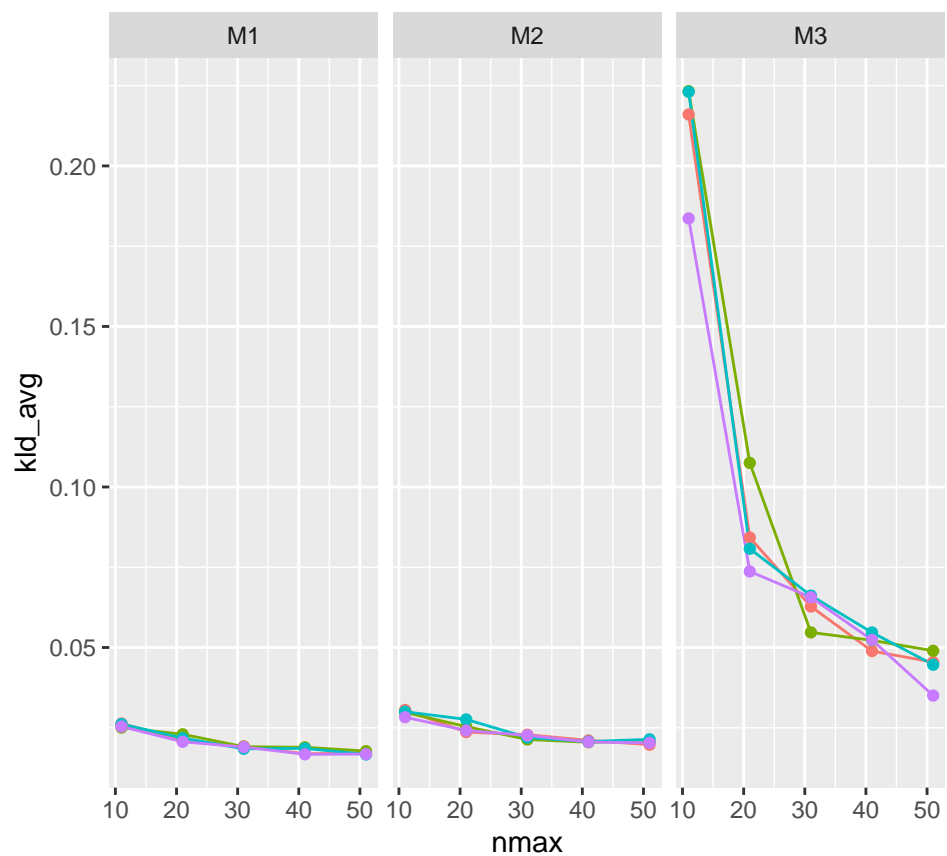
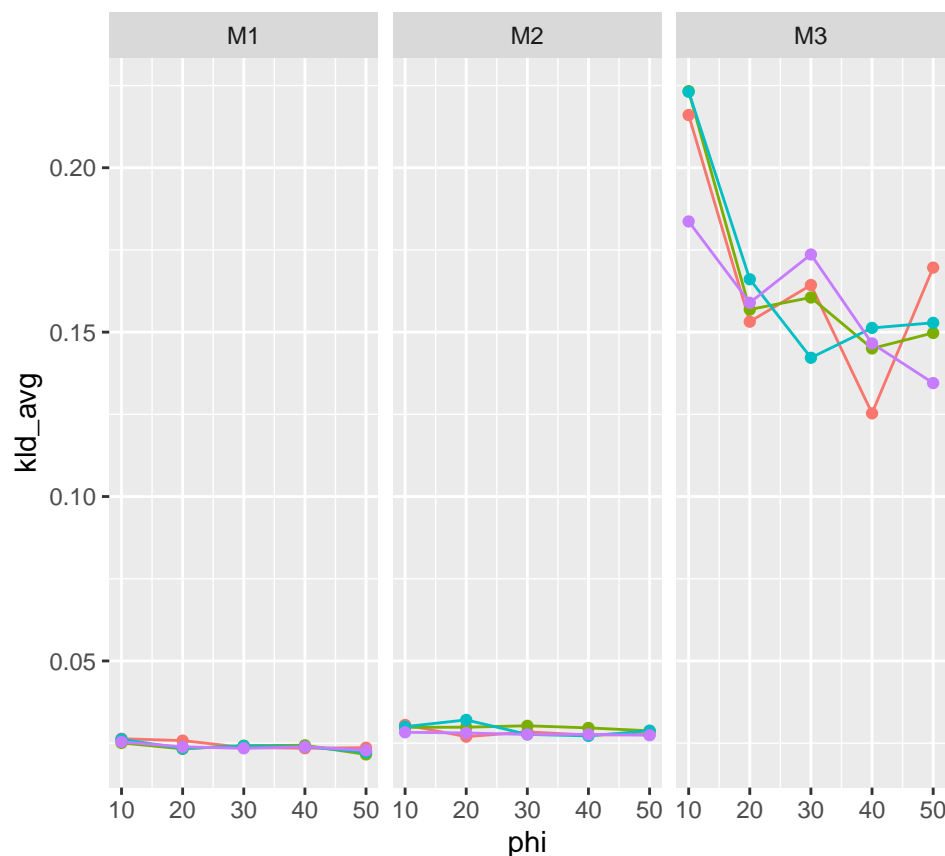


Dirichlet distributed outcome



Multinomial distributed outcome

Dirichlet–Multinomial distributed outcome,  $\phi = 10$ Dirichlet–Multinomial distributed outcome,  $n_{\max} = 11$ 

Row of M    1    2    3    4