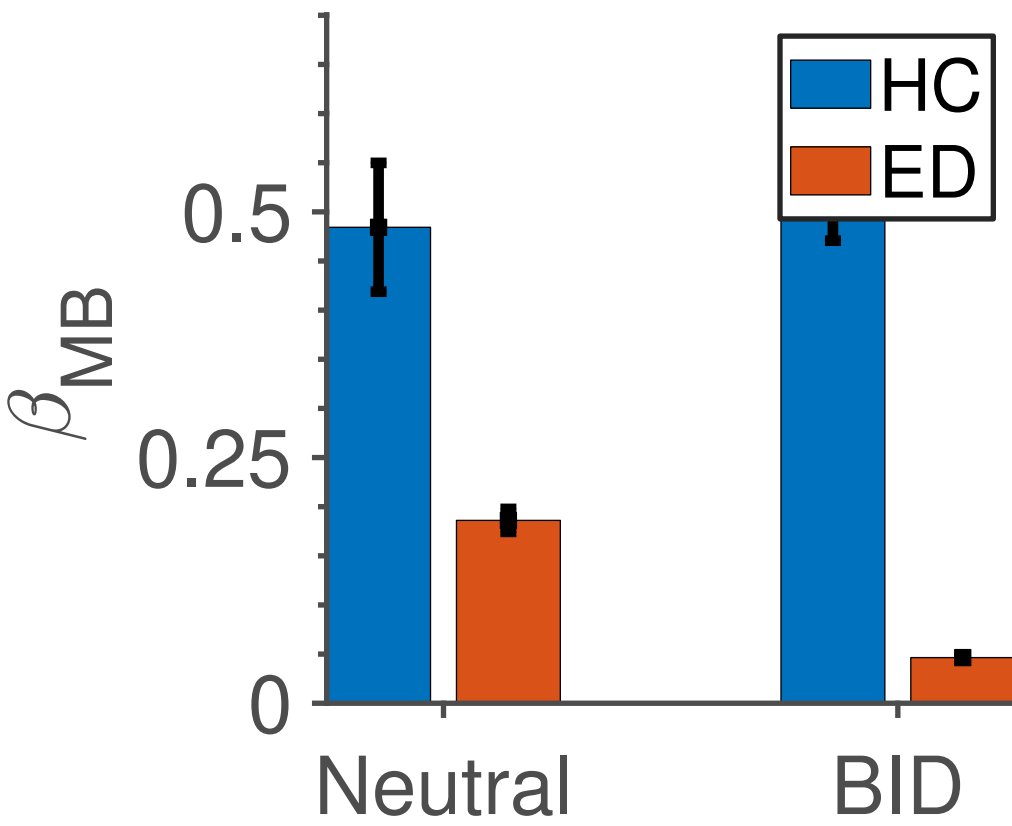
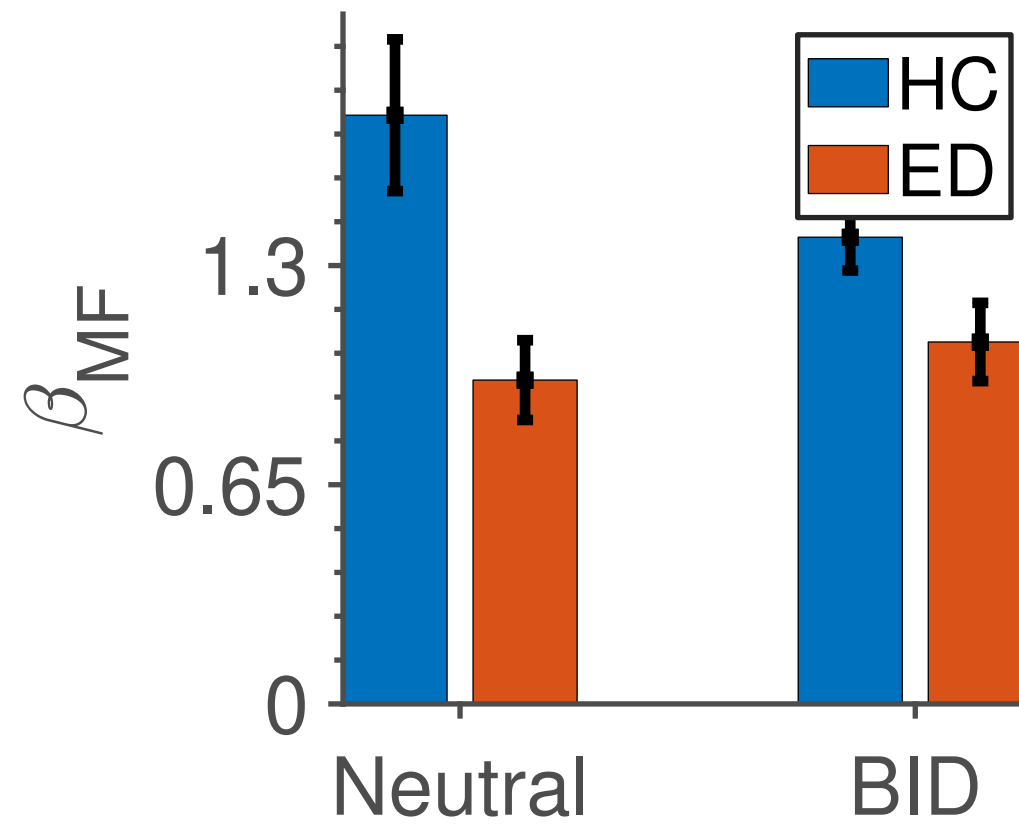


**MB learning:  $\beta_{\text{MB}}$**



**MF learning:  $\beta_{\text{MF}}$**



**Relative MB learning:  $w$**

