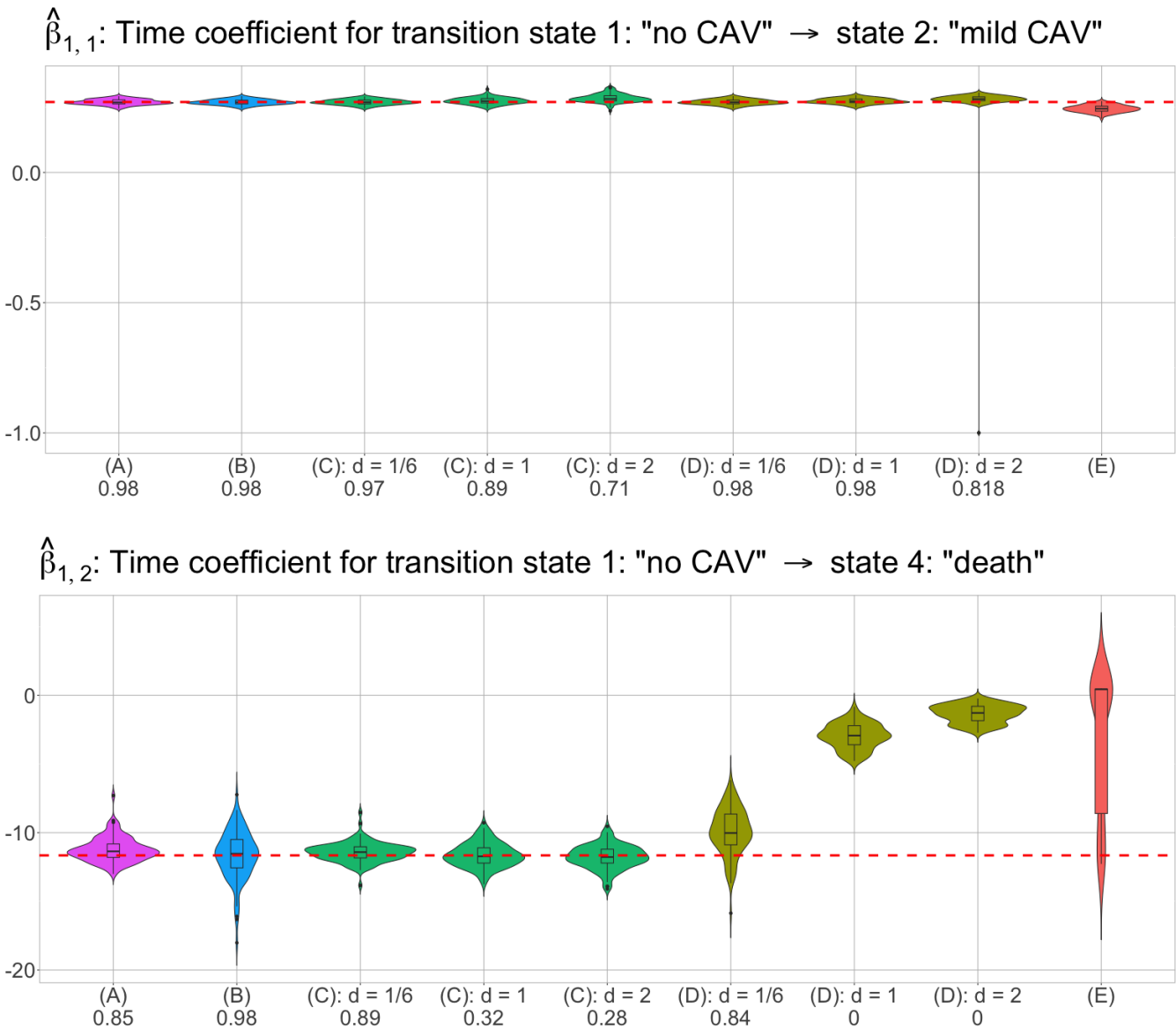
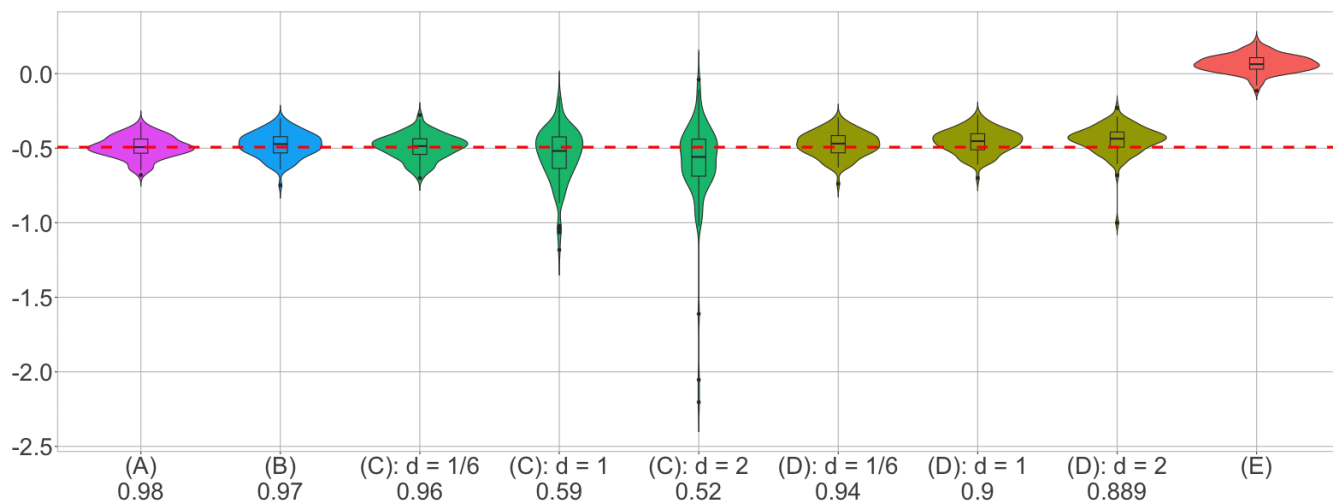


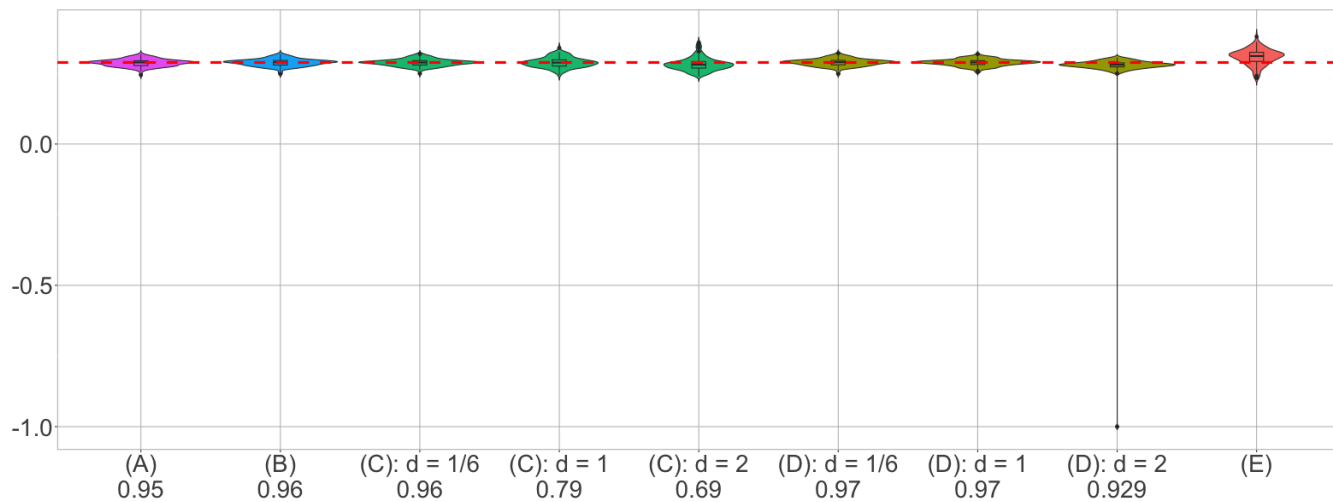
Supplementary Material E: Posterior mean/MLE violin plots for simulated CAV analysis



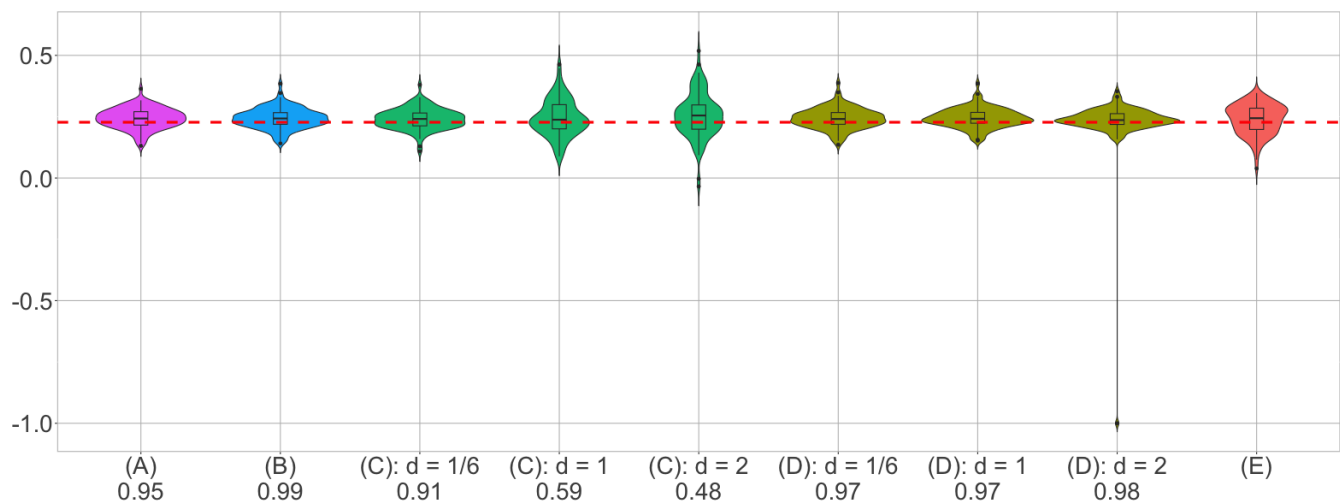
$\hat{\beta}_{1,3}$: Time coefficient for transition state 2: "mild CAV" \rightarrow state 3: "severe CAV"



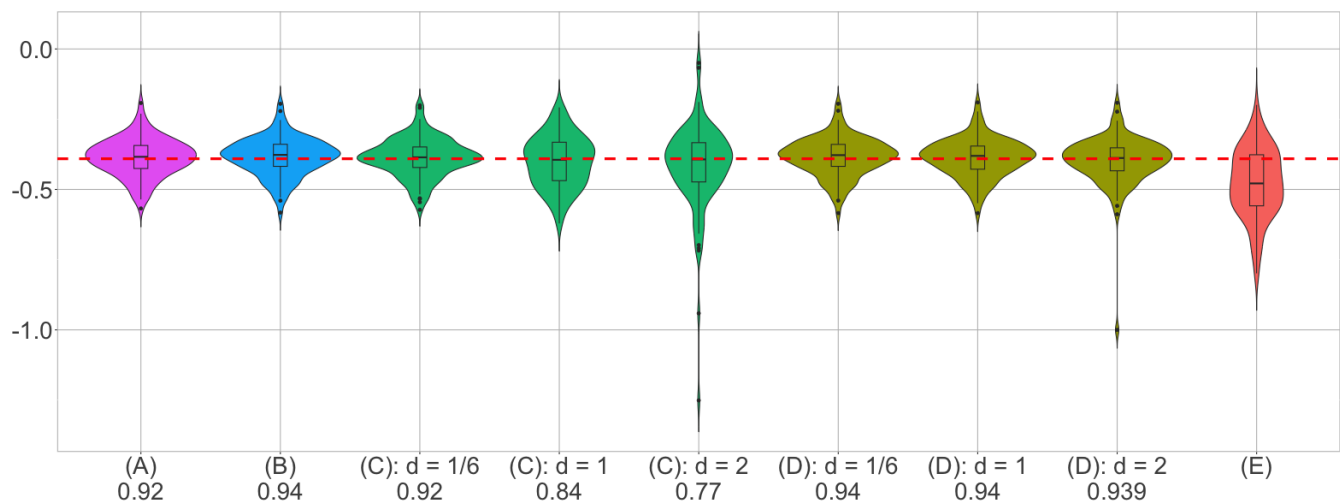
$\hat{\beta}_{1,4}$: Time coefficient for transition state 2: "mild CAV" \rightarrow state 4: "death"



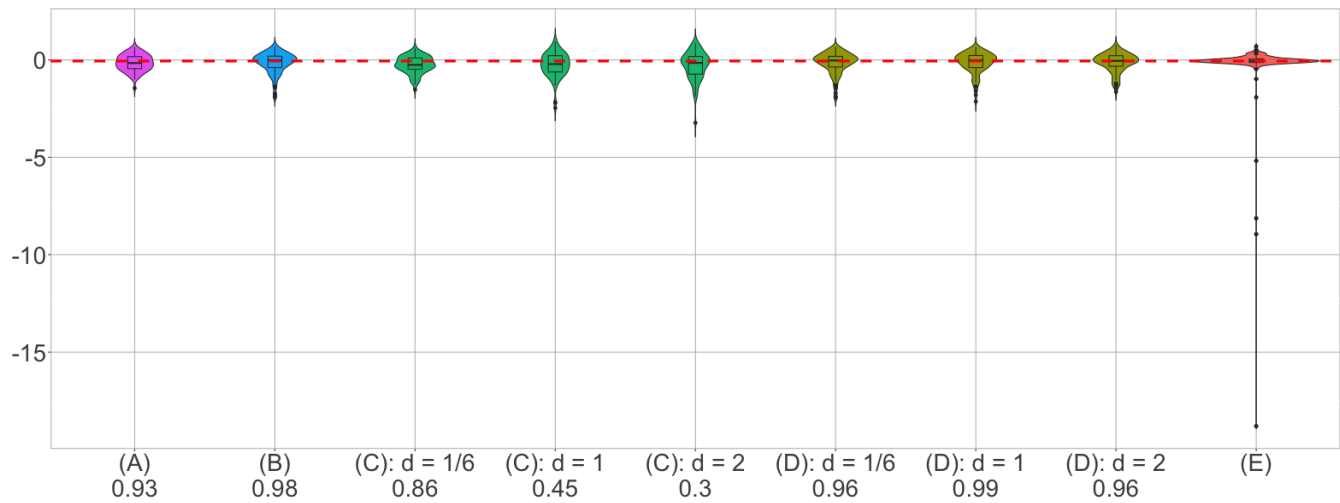
$\hat{\beta}_{1,5}$: Time coefficient for transition state 3: "severe CAV" \rightarrow state 4: "death"



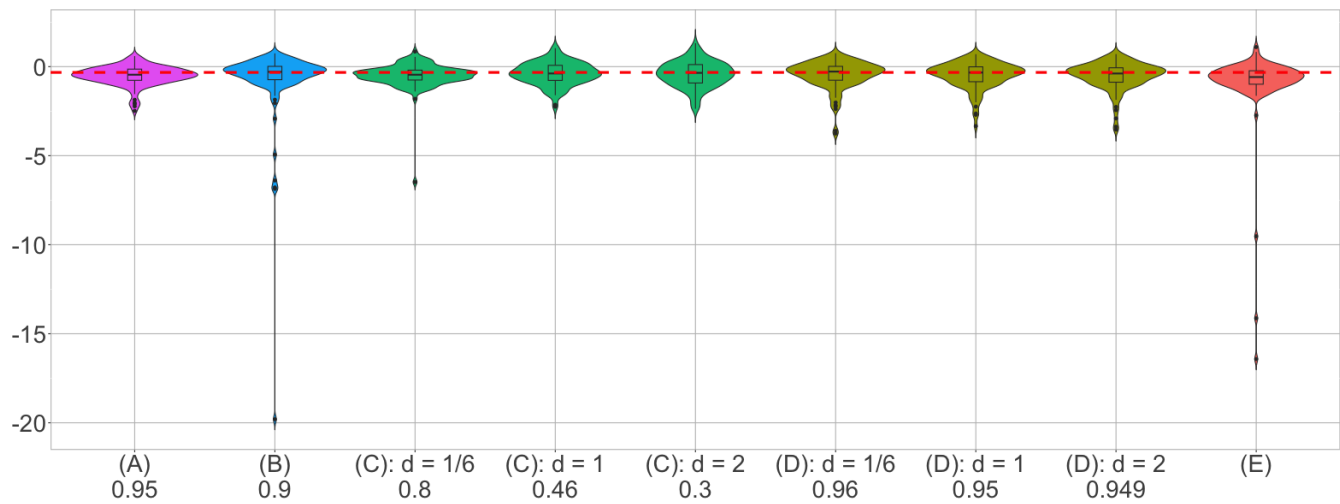
$\hat{\beta}_{2,1}$: Sex coefficient for transition state 1: "no CAV" \rightarrow state 2: "mild CAV"



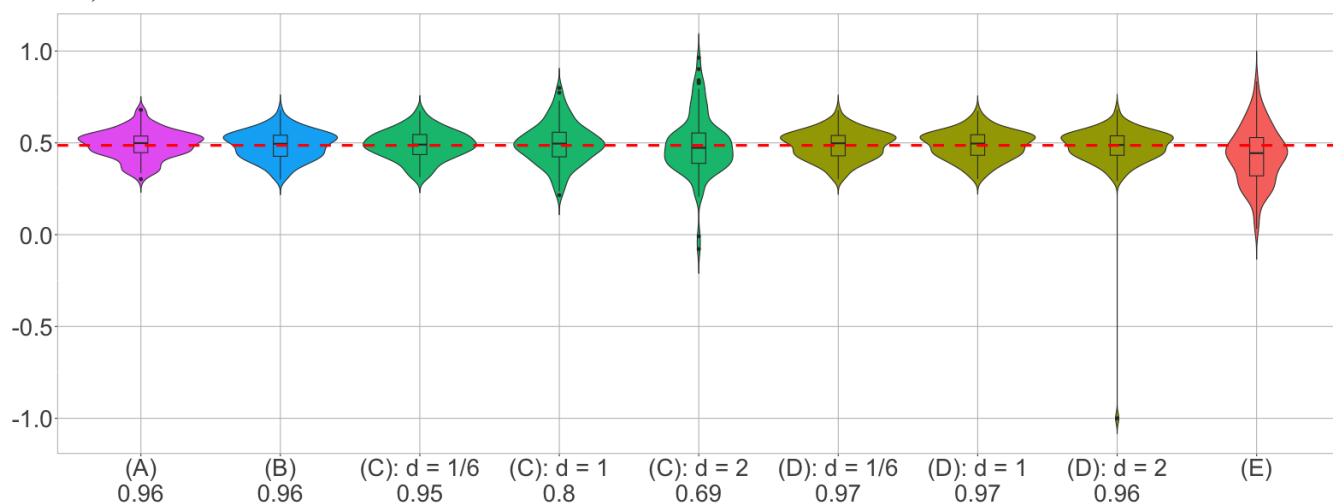
$\hat{\beta}_{2,2}$: Sex coefficient for transition state 1: "no CAV" \rightarrow state 4: "death"



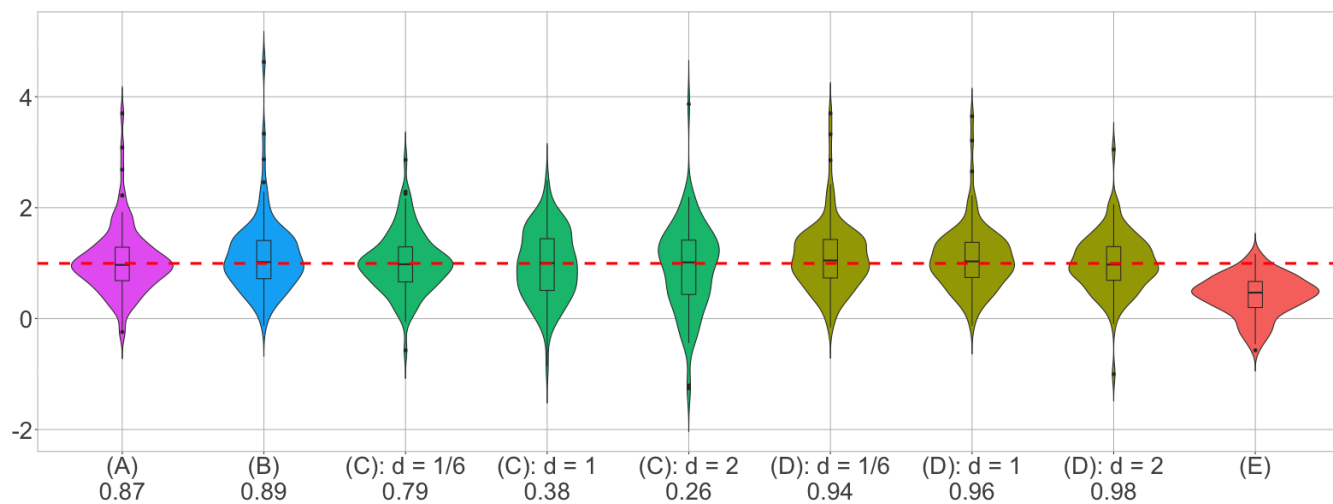
$\hat{\beta}_{2,3}$: Sex coefficient for transition state 2: "mild CAV" \rightarrow state 3: "severe CAV"



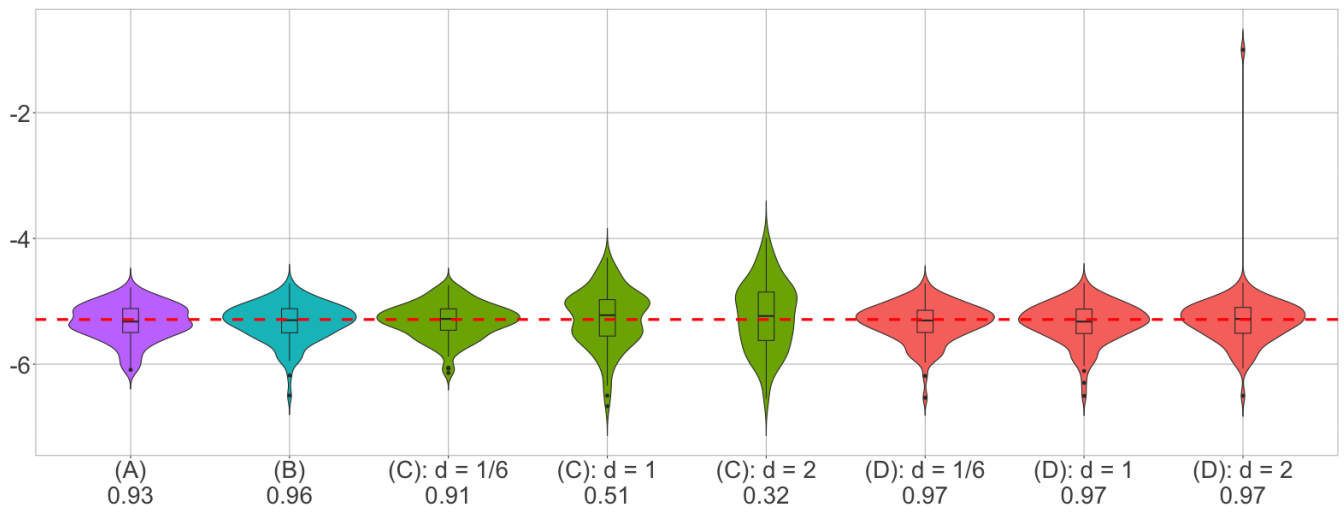
$\hat{\beta}_{2,4}$: Sex coefficient for transition state 2: "mild CAV" \rightarrow state 4: "death"



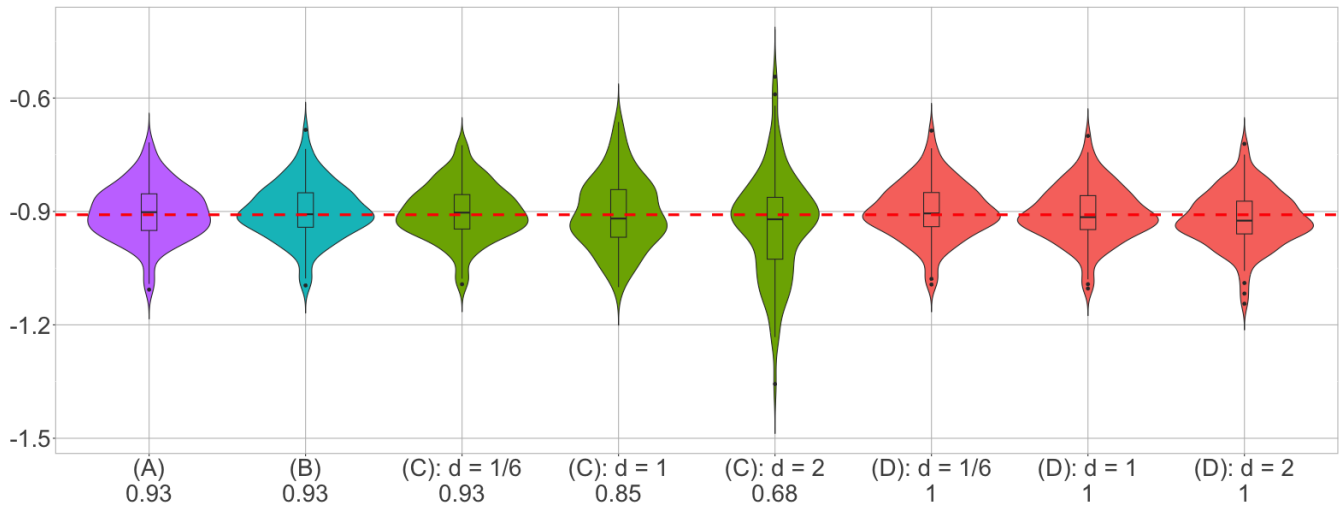
$\hat{\beta}_{2,5}$: Sex coefficient for transition state 3: "severe CAV" \rightarrow state 4: "death"



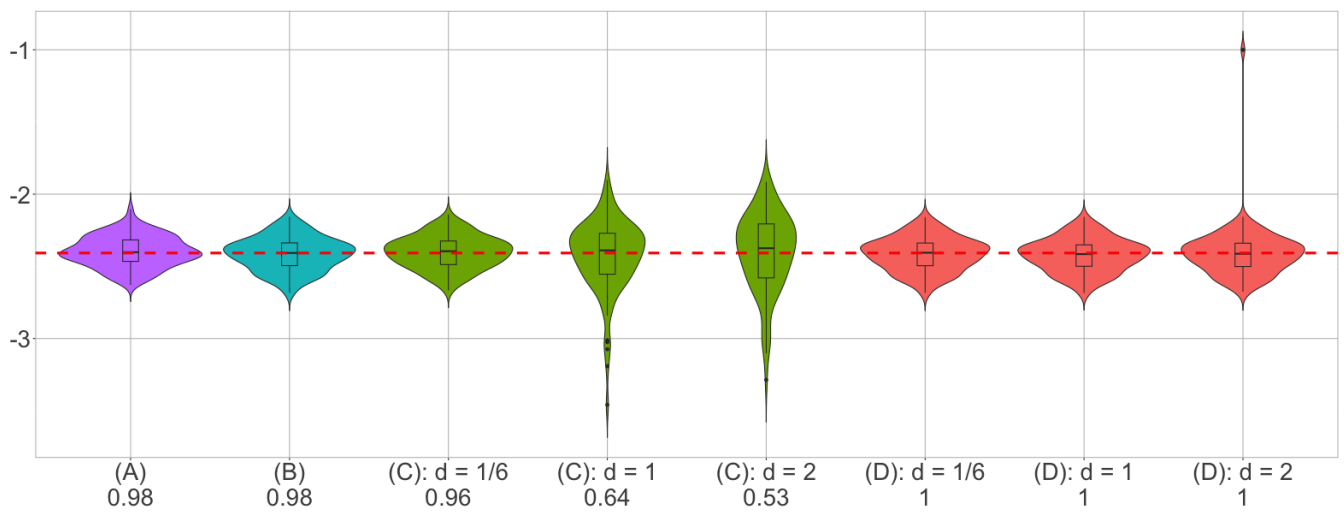
logit P(obs. state 2: "mild CAV" | true state 1: "no CAV")



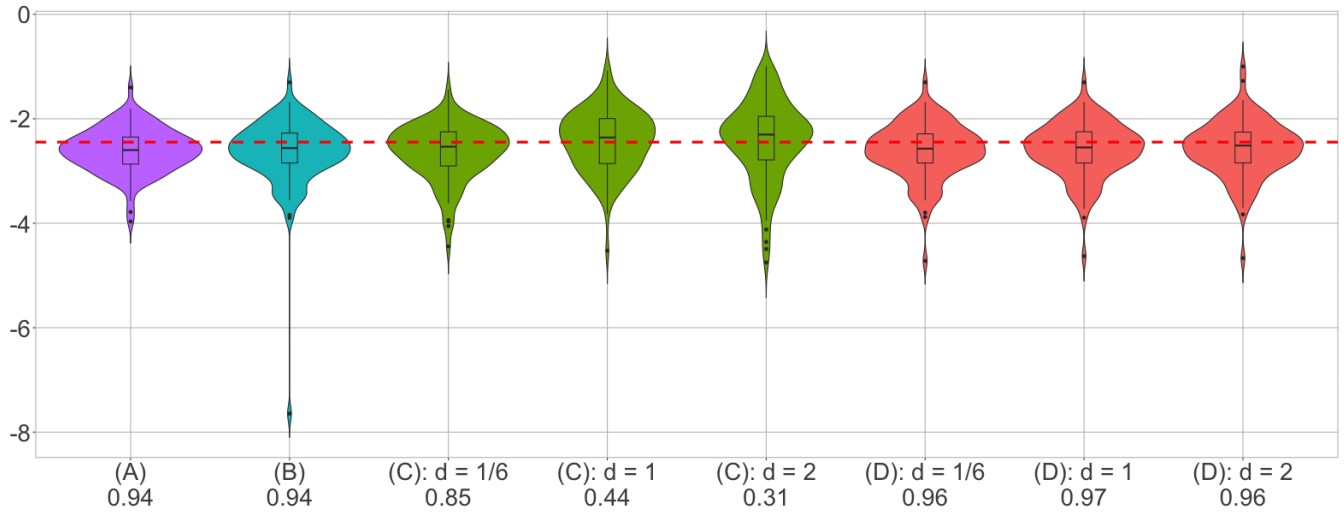
logit P(obs. state 1: "no CAV" | true state 2: "mild CAV")



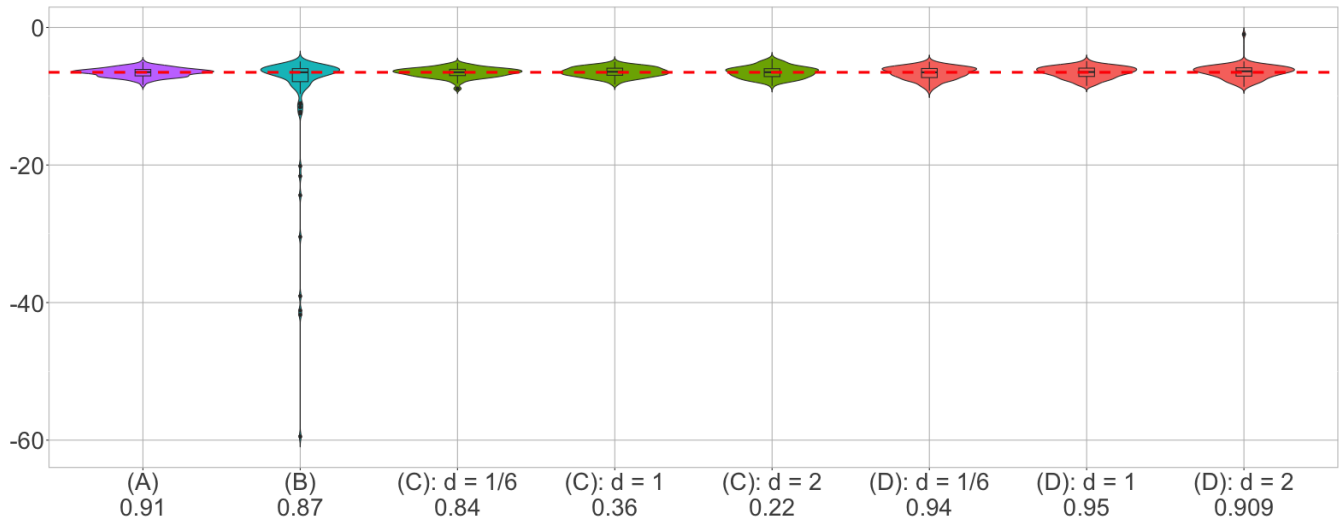
logit P(obs. state 3: "severe CAV" | true state 2: "mild CAV")



logit P(obs. state 2: "mild CAV" | true state 3: "severe CAV")



logit P(initial state 2: "mild CAV")



logit P(initial state 3: "severe CAV")

