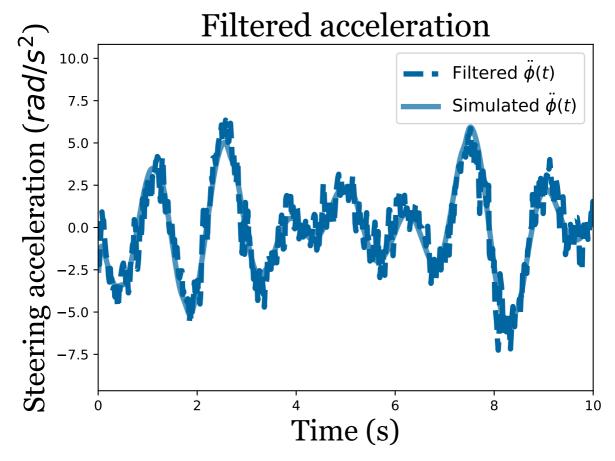
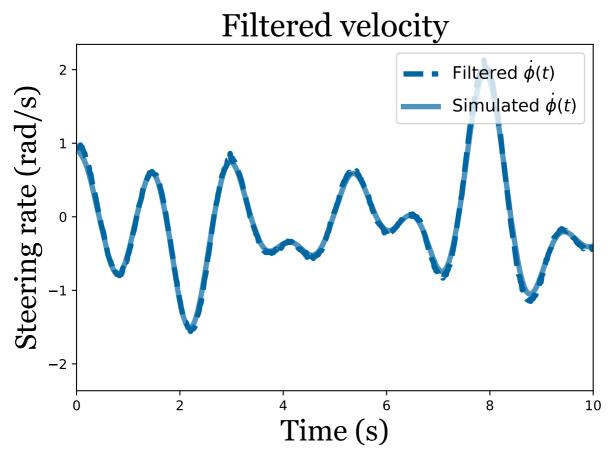
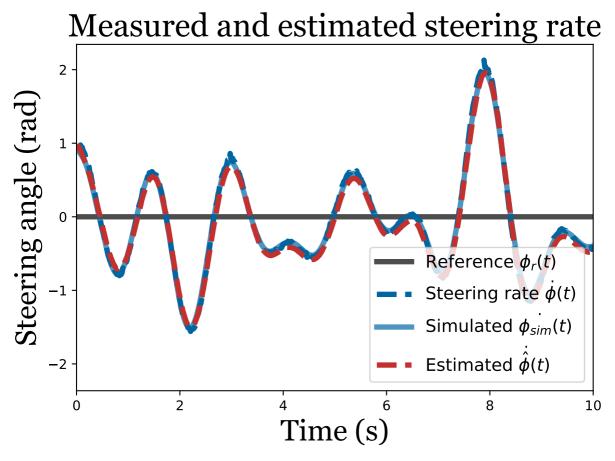
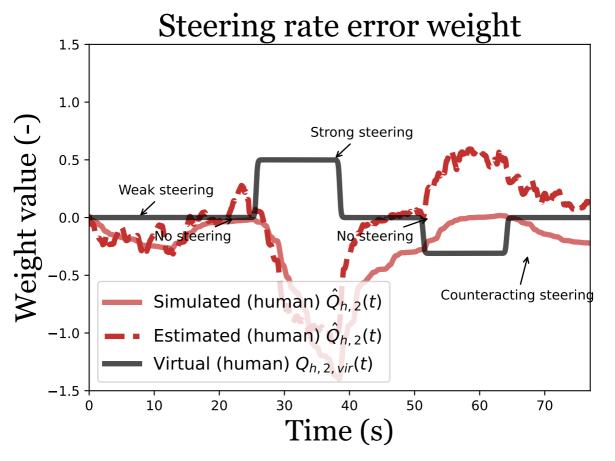
Measured and estimated steering angle Reference $\phi_r(t)$ 1.0 Steering angle $\phi(t)$ Steering angle (rad) Simulated $\phi_{sim}(t)$ 0.5 Estimated $\phi(t)$ 0.0 -0.5 -1.010 Time (s)

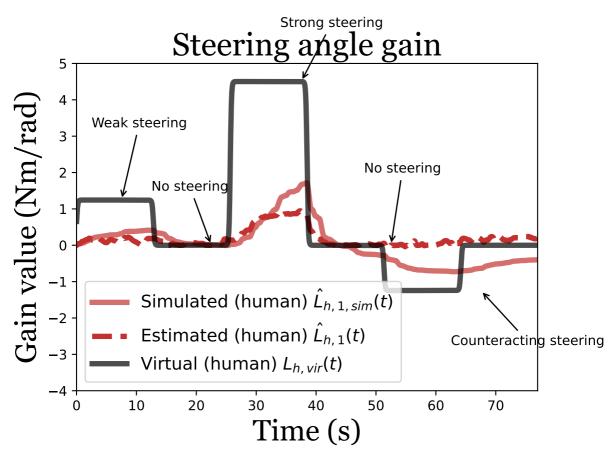


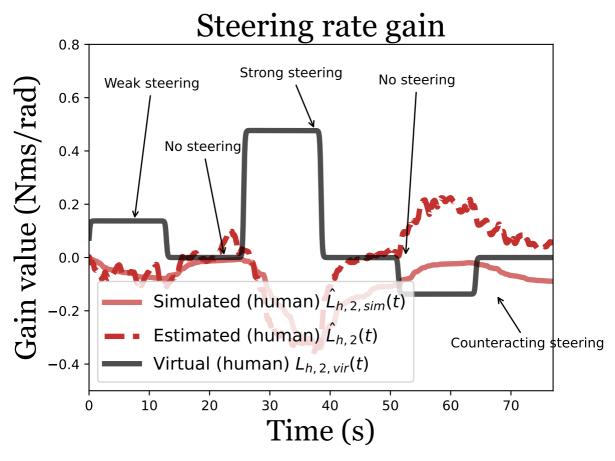


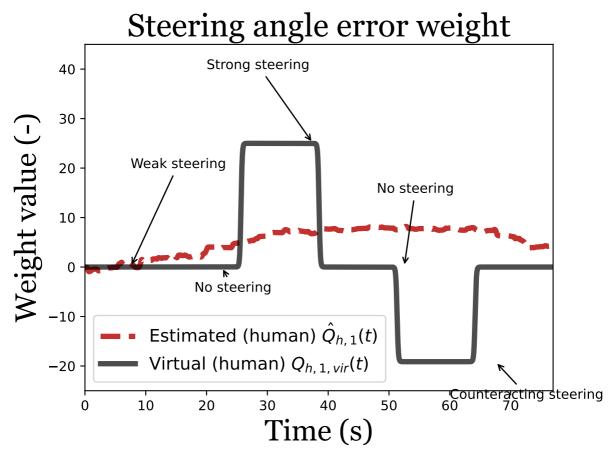


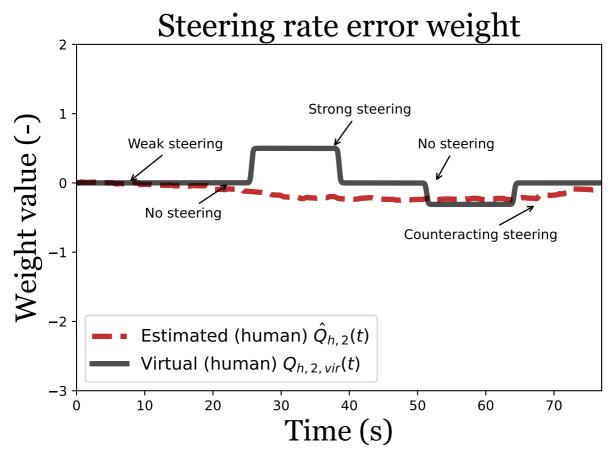
Steering angle error weight Strong steering 30 20 Weight value (-) 10 Weak steering 0 No steering No steering -10Simulated (human) $\hat{Q}_{h,1}(t)$ Estimated (human) $\hat{Q}_{h,1}(t)$ -20 Virtual (human) $Q_{h, 1, vir}(t)$ Counteracting steering -3010 20 30 40 50 60 70 Time (s)











Steering angle gain Strong steering 6 Gain value (Nm/rad) 4 · Weak steering 2 0 Estimated (human) $\hat{L}_h(t)$ Robot gain $L_r(t)$ Virtual (human) $L_{h,vir}(t)$ Counteracting steering 50 10 20 30 40 60 70 Time (s)

