Source Task: Parity Target Task: Not Parity **Backward Transfer** Forward Transfer 0.5 **Decision Forest Source Decision Forest Target** Lifelong Forests Source Lifelong Forests Target **Optimal Forest** 0.4 **Optimal Forest** Test Error 5.0 8.0 8.0 8.0 0.1 200 600 400 200 400 600 Target Task Sample Size