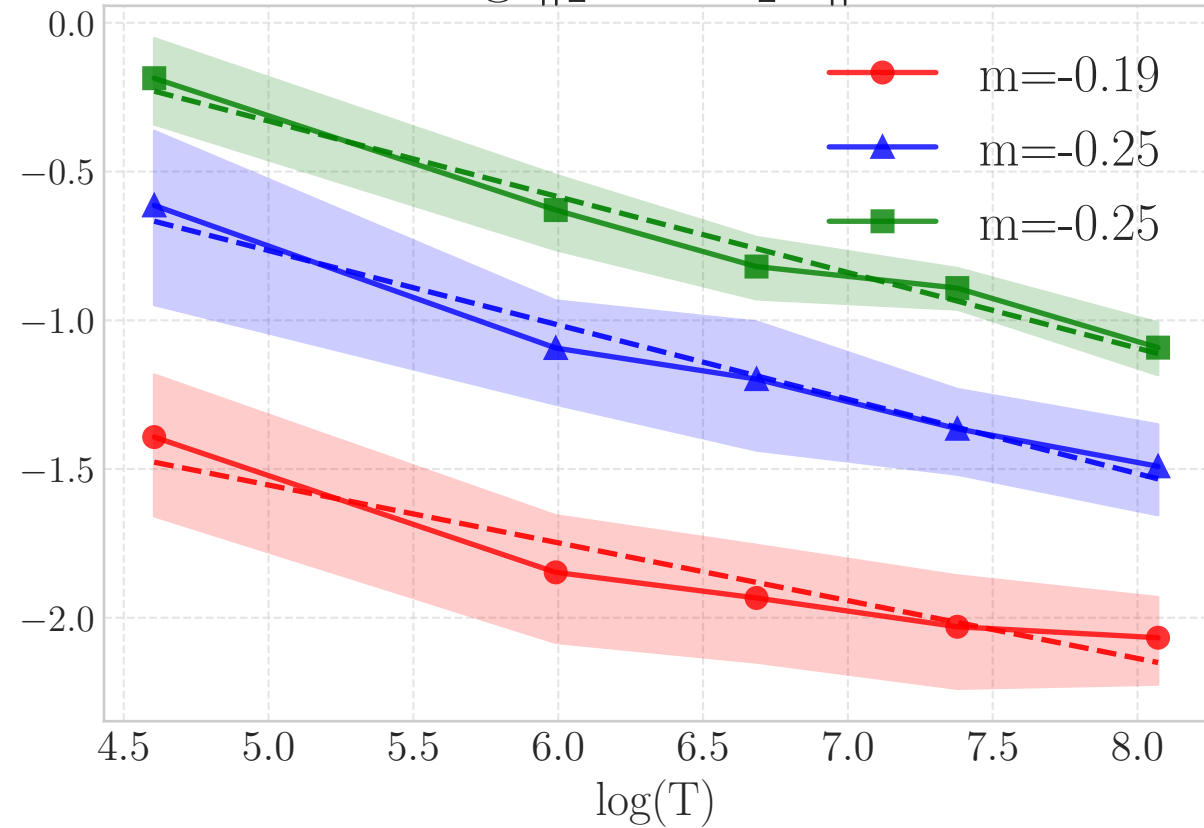


$\log \|\mathbf{p}^{(T)} - \mathbf{p}^*\|_2$  $\log \text{Total Expected Regret}$ 