**Experiment 4**  $D^3RB$ ED<sup>2</sup>RB 20 Corral RB Grid -q **UCB** 15 Regret Scale Greedy EXP3 CorralLow 10 CorralHigh EXP3Low 5 EXP3High EXP3LowLR EXP3HighLR 0 DoublingDataDrivenMedium 10000 12500 15000 17500 20000 2500 7500 EstimatingDataDrivenMedium 5000 0 Rounds DoublingDataDrivenHigh EstimatingDataDrivenHigh CorralSuperHigh DoublingDataDrivenSuperHigh EstimatingDataDrivenSuperHigh D<sup>3</sup>RB -s ED<sup>2</sup>RB -s Corral -s RB Grid -gs UCB -s Greedy -s EXP3 -s CorralLow -s CorralHigh -s EXP3Low -s EXP3High -s EXP3LowLR -s EXP3HighLR -s DoublingDataDrivenMedium -s EstimatingDataDrivenMedium -s DoublingDataDrivenHigh -s EstimatingDataDrivenHigh -s CorralSuperHigh -s DoublingDataDrivenSuperHigh -s EstimatingDataDrivenSuperHigh -s Base c=0

> Base c=0.16Base c=2.5

Base c=5Base c=25