**Experiment 1**  $D^3RB$ 2.0 ED<sup>2</sup>RB 1.8 Corral RB Grid -g 1.6 **UCB** Regret Scale 1.4 Greedy EXP3 1.2 CorralLow CorralHigh 1.0 EXP3Low 0.8 EXP3High EXP3LowLR 0.6 EXP3HighLR 0.4 DoublingDataDrivenMedium EstimatingDataDrivenMedium 200 400 600 800 1000 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