Average Cumulative Regret with Upper Confidence Intervals - Bernoulli Environment EpsilonGreedy(epsilon=0.1, bernoulli) EpsilonGreedy(epsilon=0.1, bernoulli) 95% Upper CI **UCB** 25 UCB 95% Upper CI KL-UCB KL-UCB 95% Upper CI ThompsonSampling(bernoulli) ThompsonSampling(bernoulli) 95% Upper CI 20 LLM(gpt-4.1-nano) LLM(gpt-4.1-nano) 95% Upper CI LLM(gpt-4.1-nano) **Cumulative Regret** LLM(gpt-4.1-nano) 95% Upper CI 15 5 10 20 30 40 50 Steps