

Results for HardMax t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.18 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 96 %	0.17 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 97 %	0.23 +/- 0.047 0.17 (0.15, 0.2) Extreme Shares: 96 %
Dynamic Epsilon Greedy	0.22 +/- 0.044 0.15 (0.13, 0.18) Extreme Shares: 91 %	0.32 +/- 0.049 0.19 (0.16, 0.22) Extreme Shares: 87 %	0.24 +/- 0.046 0.16 (0.14, 0.19) Extreme Shares: 91 %
DynamicGreedy	0.28 +/- 0.047 0.17 (0.15, 0.2) Extreme Shares: 85 %	0.33 +/- 0.051 0.2 (0.17, 0.24) Extreme Shares: 90 %	0.3 +/- 0.047 0.17 (0.15, 0.21) Extreme Shares: 83 %

Results for HardMaxWithRandom t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.17 +/- 0.028 0.062 (0.053, 0.073) Extreme Shares: 70 %	0.31 +/- 0.037 0.1 (0.089, 0.12) Extreme Shares: 55 %	0.3 +/- 0.041 0.13 (0.11, 0.15) Extreme Shares: 70 %
Dynamic Epsilon Greedy	0.22 +/- 0.029 0.064 (0.055, 0.076) Extreme Shares: 52 %	0.36 +/- 0.038 0.11 (0.096, 0.13) Extreme Shares: 45 %	0.31 +/- 0.038 0.11 (0.096, 0.13) Extreme Shares: 55 %
DynamicGreedy	0.32 +/- 0.036 0.1 (0.087, 0.12) Extreme Shares: 50 %	0.43 +/- 0.039 0.12 (0.1, 0.14) Extreme Shares: 44 %	0.36 +/- 0.038 0.11 (0.095, 0.13) Extreme Shares: 48 %

Results for SoftMax t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.4 +/- 0.015 0.018 (0.015, 0.021) Extreme Shares: 0 %	0.53 +/- 0.018 0.026 (0.022, 0.031) Extreme Shares: 0.67 %	0.47 +/- 0.023 0.04 (0.035, 0.048) Extreme Shares: 3 %
Dynamic Epsilon Greedy	0.34 +/- 0.018 0.025 (0.021, 0.03) Extreme Shares: 2 %	0.45 +/- 0.02 0.03 (0.025, 0.035) Extreme Shares: 2.3 %	0.42 +/- 0.024 0.044 (0.038, 0.052) Extreme Shares: 3 %
DynamicGreedy	0.42 +/- 0.02 0.031 (0.026, 0.036) Extreme Shares: 4.3 %	0.51 +/- 0.023 0.042 (0.036, 0.05) Extreme Shares: 3.7 %	0.49 +/- 0.02 0.031 (0.027, 0.037) Extreme Shares: 2 %

Results for HardMax t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.33 +/- 0.051 0.2 (0.17, 0.24) Extreme Shares: 92 %	0.38 +/- 0.053 0.22 (0.19, 0.26) Extreme Shares: 93 %	0.37 +/- 0.052 0.21 (0.18, 0.25) Extreme Shares: 90 %
Dynamic Epsilon Greedy	0.36 +/- 0.051 0.2 (0.17, 0.24) Extreme Shares: 84 %	0.44 +/- 0.053 0.22 (0.19, 0.26) Extreme Shares: 86 %	0.42 +/- 0.052 0.21 (0.18, 0.25) Extreme Shares: 83 %
DynamicGreedy	0.37 +/- 0.052 0.21 (0.18, 0.25) Extreme Shares: 87 %	0.39 +/- 0.052 0.21 (0.18, 0.25) Extreme Shares: 87 %	0.44 +/- 0.053 0.22 (0.19, 0.26) Extreme Shares: 88 %

Results for HardMaxWithRandom t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.32 +/- 0.037 0.11 (0.091, 0.13) Extreme Shares: 49 %	0.41 +/- 0.04 0.12 (0.11, 0.15) Extreme Shares: 46 %	0.45 +/- 0.04 0.13 (0.11, 0.15) Extreme Shares: 46 %
Dynamic Epsilon Greedy	0.36 +/- 0.036 0.1 (0.088, 0.12) Extreme Shares: 39 %	0.42 +/- 0.039 0.12 (0.099, 0.14) Extreme Shares: 38 %	0.47 +/- 0.04 0.13 (0.11, 0.15) Extreme Shares: 43 %
DynamicGreedy	0.36 +/- 0.037 0.11 (0.091, 0.13) Extreme Shares: 43 %	0.44 +/- 0.04 0.12 (0.1, 0.14) Extreme Shares: 44 %	0.44 +/- 0.04 0.12 (0.1, 0.14) Extreme Shares: 43 %

Results for SoftMax t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.41 +/- 0.019 0.029 (0.025, 0.035) Extreme Shares: 0.67 %	0.47 +/- 0.023 0.042 (0.036, 0.05) Extreme Shares: 1 %	0.5 +/- 0.026 0.053 (0.045, 0.063) Extreme Shares: 2 %
Dynamic Epsilon Greedy	0.41 +/- 0.021 0.034 (0.029, 0.041) Extreme Shares: 2.3 %	0.47 +/- 0.024 0.046 (0.039, 0.054) Extreme Shares: 2.7 %	0.5 +/- 0.026 0.054 (0.046, 0.064) Extreme Shares: 3.7 %
DynamicGreedy	0.43 +/- 0.023 0.042 (0.036, 0.05) Extreme Shares: 3.3 %	0.45 +/- 0.026 0.051 (0.043, 0.06) Extreme Shares: 2.7 %	0.46 +/- 0.027 0.057 (0.049, 0.067) Extreme Shares: 4.3 %

Results for HardMax t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.33 +/- 0.052 0.21 (0.18, 0.24) Extreme Shares: 94 %	0.35 +/- 0.052 0.21 (0.18, 0.25) Extreme Shares: 92 %	0.47 +/- 0.055 0.23 (0.2, 0.28) Extreme Shares: 93 %
Dynamic Epsilon Greedy	0.26 +/- 0.048 0.18 (0.15, 0.21) Extreme Shares: 93 %	0.38 +/- 0.053 0.22 (0.18, 0.25) Extreme Shares: 91 %	0.42 +/- 0.054 0.22 (0.19, 0.26) Extreme Shares: 91 %
DynamicGreedy	0.29 +/- 0.049 0.19 (0.16, 0.22) Extreme Shares: 93 %	0.32 +/- 0.051 0.2 (0.17, 0.24) Extreme Shares: 95 %	0.39 +/- 0.053 0.22 (0.19, 0.26) Extreme Shares: 91 %

Results for HardMaxWithRandom t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.33 +/- 0.038 0.11 (0.098, 0.13) Extreme Shares: 54 %	0.39 +/- 0.042 0.13 (0.12, 0.16) Extreme Shares: 57 %	0.49 +/- 0.046 0.16 (0.14, 0.19) Extreme Shares: 62 %
Dynamic Epsilon Greedy	0.32 +/- 0.038 0.11 (0.094, 0.13) Extreme Shares: 55 %	0.39 +/- 0.042 0.13 (0.11, 0.16) Extreme Shares: 58 %	0.54 +/- 0.045 0.16 (0.13, 0.18) Extreme Shares: 60 %
DynamicGreedy	0.32 +/- 0.037 0.11 (0.093, 0.13) Extreme Shares: 54 %	0.36 +/- 0.041 0.13 (0.11, 0.15) Extreme Shares: 60 %	0.46 +/- 0.043 0.14 (0.12, 0.17) Extreme Shares: 55 %

Results for SoftMax t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.39 +/- 0.02 0.031 (0.027, 0.037) Extreme Shares: 1.3 %	0.45 +/- 0.025 0.047 (0.041, 0.056) Extreme Shares: 2.7 %	0.54 +/- 0.031 0.075 (0.065, 0.089) Extreme Shares: 8 %
Dynamic Epsilon Greedy	0.36 +/- 0.022 0.038 (0.033, 0.045) Extreme Shares: 6.3 %	0.42 +/- 0.028 0.059 (0.051, 0.07) Extreme Shares: 7.7 %	0.5 +/- 0.032 0.081 (0.069, 0.095) Extreme Shares: 7.3 %
DynamicGreedy	0.38 +/- 0.027 0.055 (0.047, 0.065) Extreme Shares: 7.7 %	0.39 +/- 0.029 0.063 (0.054, 0.075) Extreme Shares: 10 %	0.46 +/- 0.032 0.078 (0.067, 0.092) Extreme Shares: 11 %