

Results for HardMax t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.064 +/- 0.025 0.05 (0.043, 0.06) Extreme Shares: 97 %	0.12 +/- 0.035 0.094 (0.08, 0.11) Extreme Shares: 94 %	0.16 +/- 0.04 0.12 (0.11, 0.14) Extreme Shares: 93 %
Dynamic Epsilon Greedy	0.11 +/- 0.032 0.077 (0.066, 0.091) Extreme Shares: 89 %	0.19 +/- 0.038 0.11 (0.097, 0.13) Extreme Shares: 81 %	0.18 +/- 0.037 0.11 (0.092, 0.13) Extreme Shares: 82 %
DynamicGreedy	0.17 +/- 0.037 0.11 (0.091, 0.13) Extreme Shares: 84 %	0.24 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 80 %	0.26 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 76 %

Results for HardMaxWithRandom t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.19 +/- 0.03 0.068 (0.058, 0.08) Extreme Shares: 66 %	0.32 +/- 0.036 0.099 (0.085, 0.12) Extreme Shares: 50 %	0.31 +/- 0.041 0.13 (0.11, 0.15) Extreme Shares: 64 %
Dynamic Epsilon Greedy	0.24 +/- 0.033 0.083 (0.071, 0.098) Extreme Shares: 58 %	0.37 +/- 0.036 0.1 (0.086, 0.12) Extreme Shares: 39 %	0.36 +/- 0.039 0.12 (0.1, 0.14) Extreme Shares: 50 %
DynamicGreedy	0.31 +/- 0.037 0.11 (0.092, 0.13) Extreme Shares: 54 %	0.46 +/- 0.04 0.12 (0.11, 0.15) Extreme Shares: 46 %	0.38 +/- 0.035 0.097 (0.083, 0.11) Extreme Shares: 39 %

Results for SoftMax t = 2000 Heavy Tail

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.42 +/- 0.016 0.021 (0.018, 0.025) Extreme Shares: 0.33 %	0.54 +/- 0.02 0.032 (0.028, 0.038) Extreme Shares: 0.33 %	0.49 +/- 0.024 0.044 (0.038, 0.052) Extreme Shares: 0.67 %
Dynamic Epsilon Greedy	0.36 +/- 0.019 0.029 (0.024, 0.034) Extreme Shares: 2.3 %	0.46 +/- 0.022 0.037 (0.032, 0.044) Extreme Shares: 1.3 %	0.43 +/- 0.024 0.044 (0.038, 0.052) Extreme Shares: 1.3 %
DynamicGreedy	0.42 +/- 0.023 0.041 (0.035, 0.048) Extreme Shares: 5.7 %	0.52 +/- 0.024 0.044 (0.038, 0.052) Extreme Shares: 3 %	0.49 +/- 0.022 0.036 (0.031, 0.043) Extreme Shares: 2 %

Results for HardMax t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.14 +/- 0.033 0.083 (0.071, 0.098) Extreme Shares: 82 %	0.24 +/- 0.043 0.14 (0.12, 0.17) Extreme Shares: 82 %	0.24 +/- 0.043 0.14 (0.12, 0.17) Extreme Shares: 85 %
Dynamic Epsilon Greedy	0.18 +/- 0.038 0.11 (0.095, 0.13) Extreme Shares: 82 %	0.22 +/- 0.041 0.13 (0.11, 0.16) Extreme Shares: 80 %	0.24 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 80 %
DynamicGreedy	0.19 +/- 0.038 0.11 (0.096, 0.13) Extreme Shares: 84 %	0.26 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 77 %	0.25 +/- 0.043 0.14 (0.12, 0.17) Extreme Shares: 79 %

Results for HardMaxWithRandom t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.32 +/- 0.035 0.096 (0.082, 0.11) Extreme Shares: 43 %	0.35 +/- 0.037 0.11 (0.091, 0.12) Extreme Shares: 45 %	0.43 +/- 0.041 0.13 (0.11, 0.15) Extreme Shares: 48 %
Dynamic Epsilon Greedy	0.31 +/- 0.035 0.093 (0.08, 0.11) Extreme Shares: 45 %	0.36 +/- 0.036 0.1 (0.087, 0.12) Extreme Shares: 43 %	0.41 +/- 0.039 0.12 (0.099, 0.14) Extreme Shares: 45 %
DynamicGreedy	0.37 +/- 0.038 0.11 (0.097, 0.13) Extreme Shares: 50 %	0.35 +/- 0.036 0.1 (0.086, 0.12) Extreme Shares: 43 %	0.43 +/- 0.038 0.11 (0.098, 0.14) Extreme Shares: 44 %

Results for SoftMax t = 2000 Uniform

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.44 +/- 0.02 0.031 (0.027, 0.037) Extreme Shares: 0 %	0.49 +/- 0.022 0.037 (0.031, 0.043) Extreme Shares: 0 %	0.5 +/- 0.025 0.047 (0.04, 0.055) Extreme Shares: 1 %
Dynamic Epsilon Greedy	0.45 +/- 0.022 0.037 (0.032, 0.044) Extreme Shares: 1.7 %	0.49 +/- 0.024 0.046 (0.039, 0.054) Extreme Shares: 1.3 %	0.5 +/- 0.026 0.051 (0.044, 0.06) Extreme Shares: 1.7 %
DynamicGreedy	0.43 +/- 0.024 0.045 (0.039, 0.053) Extreme Shares: 2.7 %	0.47 +/- 0.024 0.043 (0.037, 0.051) Extreme Shares: 2 %	0.48 +/- 0.026 0.053 (0.046, 0.063) Extreme Shares: 5.7 %

Results for HardMax t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.15 +/- 0.037 0.11 (0.091, 0.13) Extreme Shares: 89 %	0.26 +/- 0.047 0.17 (0.15, 0.2) Extreme Shares: 91 %	0.36 +/- 0.05 0.2 (0.17, 0.23) Extreme Shares: 84 %
Dynamic Epsilon Greedy	0.17 +/- 0.038 0.11 (0.097, 0.13) Extreme Shares: 88 %	0.25 +/- 0.046 0.16 (0.14, 0.19) Extreme Shares: 90 %	0.32 +/- 0.048 0.18 (0.15, 0.21) Extreme Shares: 81 %
DynamicGreedy	0.15 +/- 0.038 0.11 (0.095, 0.13) Extreme Shares: 94 %	0.22 +/- 0.042 0.14 (0.12, 0.17) Extreme Shares: 87 %	0.33 +/- 0.049 0.19 (0.16, 0.22) Extreme Shares: 85 %

Results for HardMaxWithRandom t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.29 +/- 0.037 0.11 (0.091, 0.13) Extreme Shares: 56 %	0.37 +/- 0.043 0.14 (0.12, 0.17) Extreme Shares: 65 %	0.47 +/- 0.045 0.15 (0.13, 0.18) Extreme Shares: 60 %
Dynamic Epsilon Greedy	0.27 +/- 0.035 0.096 (0.082, 0.11) Extreme Shares: 58 %	0.4 +/- 0.042 0.13 (0.11, 0.16) Extreme Shares: 54 %	0.45 +/- 0.044 0.15 (0.13, 0.18) Extreme Shares: 59 %
DynamicGreedy	0.27 +/- 0.037 0.1 (0.089, 0.12) Extreme Shares: 62 %	0.34 +/- 0.042 0.13 (0.11, 0.16) Extreme Shares: 65 %	0.42 +/- 0.042 0.14 (0.12, 0.16) Extreme Shares: 58 %

Results for SoftMax t = 2000 Needle In Haystack High

	Thompson Sampling	Dynamic Epsilon Greedy	DynamicGreedy
Thompson Sampling	0.43 +/- 0.022 0.038 (0.033, 0.045) Extreme Shares: 1.7 %	0.51 +/- 0.027 0.056 (0.048, 0.066) Extreme Shares: 1.7 %	0.54 +/- 0.03 0.07 (0.06, 0.083) Extreme Shares: 3 %
Dynamic Epsilon Greedy	0.4 +/- 0.026 0.053 (0.046, 0.063) Extreme Shares: 4.7 %	0.47 +/- 0.029 0.063 (0.054, 0.074) Extreme Shares: 5 %	0.52 +/- 0.031 0.074 (0.063, 0.087) Extreme Shares: 6.7 %
DynamicGreedy	0.39 +/- 0.029 0.063 (0.054, 0.075) Extreme Shares: 8 %	0.4 +/- 0.03 0.068 (0.059, 0.081) Extreme Shares: 10 %	0.51 +/- 0.031 0.077 (0.066, 0.091) Extreme Shares: 5 %