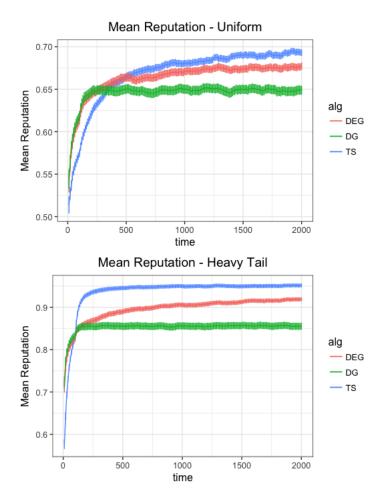
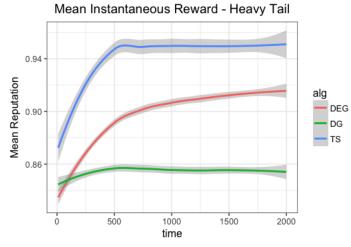
Supplemental Material

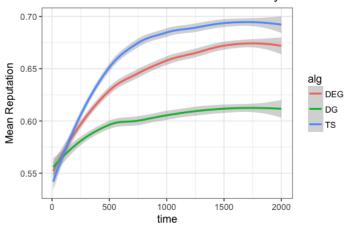
A Additional Isolation Performance Plots

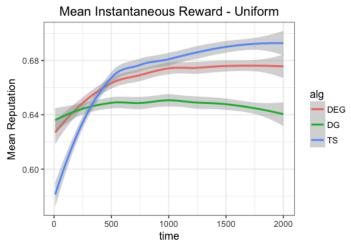
In this section we present the additional mean reputation graphs that were omitted from the main text. Additionally, we provide graphs of the smoothed mean instantaneous reward for each of the family of instances that we consider.





Mean Instantaneous Reward - Needle In Haystack





B Reversal between Mean Reputation and Relative Reputation

In this section we present the results in isolation and in competition over the "Heavy Tail" prior discussed in the text for K=3. We demonstrate evidence that DEG>DG according to the mean reputation metric but that DG>DEG according to the relative reputation proportion statistic and in the competition game. As shown in the text, the same results also hold for K=10 for the warm starts that we consider.

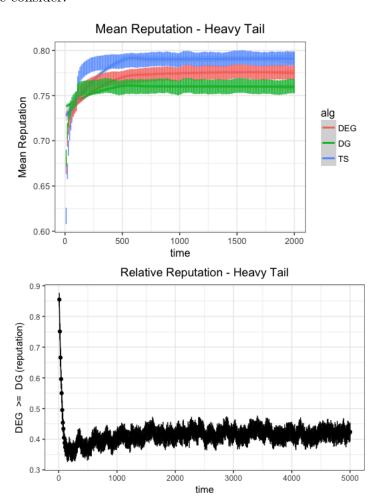


Table 1: Duopoly Experiment Heavy Tail K=3, t=5000

| | k = 20 | k = 250 | k = 500 |
|-----------|------------------------|-----------------|------------------|
| | 0.4 ± 0.02 | 0.59 ± 0.01 | 0.6 ±0.01 |
| TS vs DG | eeog | eeog | eeog |
| 15 Vs DG | avg: 770 | avg: 2700 | avg: 2700 |
| | med: 0 | med: 2979.5 | med: 3018 |
| | 0.46 ± 0.02 | 0.73 ± 0.01 | 0.72 ± 0.01 |
| TS vs DEG | eeog | eeog | eeog |
| 15 vs DEG | avg: 830 | avg: 2500 | avg: 2700 |
| | med: 0 | med: 2576.5 | med: 2862 |
| | 0.61 ± 0.01 | 0.61 ± 0.01 | 0.6 ± 0.01 |
| DG vs DEG | eeog | eeog | eeog |
| | avg: 1400 | avg: 2400 | avg: 2400 |
| | med: 556 | med: 2538.5 | med: 2587.5 |

C Additional Permanent Duopoly Experiments

We present all of the results for the permanent duopoly experiments across the family of instances that we consider. The results displayed in the table are the same contain the same information as those in the text and are the average over N = 1000 simulations.

Table 2: Duopoly Experiment Needle In Haystack

| | $T_0 = 20$ | $T_0 = 250$ | $T_0 = 500$ |
|-----------|------------------------|-----------------------|-----------------|
| | 0.64 ± 0.03 | 0.6 ± 0.03 | 0.64 ± 0.03 |
| TS vs DG | eeog | eeog | eeog |
| 15 vs DG | avg: 200 | avg: 370 | avg: 580 |
| | med: 27 | med: 0 | med: 121.5 |
| | 0.57 ± 0.03 | 0.52 ± 0.03 | 0.56 ± 0.02 |
| TS vs DEG | eeog | eeog | eeog |
| 15 vs DEG | avg: 150 | avg: 460 | avg: 740 |
| | med: 14 | med: 78.5 | med: 627.5 |
| | 0.46 ± 0.03 | 0.42 ± 0.02 | 0.42 ± 0.02 |
| DG vs DEG | eeog | eeog | eeog |
| DG VS DEG | avg: 340 | avg: 650 | avg: 690 |
| | med: 128.5 | med: 408 | med: 466.5 |

Table 3: Duopoly Experiment Heavy Tail

| | $T_0 = 20$ | $T_0 = 250$ | $T_0 = 500$ |
|-----------|-----------------|-----------------|-----------------|
| | 0.29 ± 0.03 | 0.72 ± 0.02 | 0.76 ± 0.02 |
| TS vs DG | eeog | eeog | eeog |
| 15 vs DG | avg: 55 | avg: 570 | avg: 620 |
| | med: 0 | med: 0 | med: 98.5 |
| | 0.3 ± 0.03 | 0.88 ± 0.01 | 0.9 ± 0.01 |
| TS vs DEG | eeog | eeog | eeog |
| 15 vs DEG | avg: 37 | avg: 480 | avg: 570 |
| | med: 0 | med: 0 | med: 113.5 |
| | 0.62 ± 0.03 | 0.6 ± 0.02 | 0.57 ± 0.03 |
| DG vs DEG | eeog | eeog | eeog |
| DG VS DEG | avg: 410 | avg: 790 | avg: 730 |
| | med: 7 | med: 762 | med: 608 |

Table 4: Duopoly Experiment Uniform

| | $T_0 = 20$ | $T_0 = 250$ | $T_0 = 500$ |
|-----------|-------------------|-----------------|-----------------|
| | 0.46 ±0.03 | 0.52 ± 0.02 | 0.6 ± 0.02 |
| TS vs DG | eeog | eeog | eeog |
| 15 VS DG | avg: 230 | avg: 800 | avg: 910 |
| | med: 0 | med: 754 | med: 906.5 |
| | 0.41 ± 0.03 | 0.51 ± 0.02 | 0.55 ± 0.02 |
| TS vs DEG | eeog | eeog | eeog |
| 15 vs DEG | avg: 180 | avg: 810 | avg: 970 |
| | med: 0 | med: 734 | med: 987 |
| | 0.51 ± 0.03 | 0.48 ± 0.02 | 0.45 ± 0.02 |
| DG vs DEG | eeog | eeog | eeog |
| DG VS DEG | avg: 470 | avg: 1000 | avg: 1000 |
| | med: 57.5 | med: 1088 | med: 1142 |

D Additional Temporary Monopoly Experiments

We present results for the temporary monopoly experiment across the family of instances that we consider for varying values of X. These results confirm the claim in the text that, for sufficiently large X, Thompson Sampling is preferred over all other algorithms for the incumbent. However, it also shows that, for smaller values of X it is not necessarily the case that Thompson Sampling is the preferred algorithm. We provide many different parameterizations in order to check the robustness of the results. The results displayed in the table are the same contain the same information as those in the text and are the average over N=1000 simulations.

Heavy Tail Prior

Table 5: Temporary Monopoly Experiment Heavy Tail X = 50

| | | Incumbent | Algorithm | |
|-------------------|--------------------------|--------------------|------------------------|--------------------|
| | | TS | DEG | DG |
| _ u | | 0.054 ± 0.01 | 0.16 ± 0.02 | 0.18 ±0.02 |
| thr | TS | Var:0.05 | Var:0.1 | Var:0.1 |
| ori | | ES:100% | ES:97% | ES:95% |
| Entrant Algorithm | | 0.33 ± 0.03 | 0.31 ± 0.02 | 0.26 ± 0.02 |
| ıt , | DEG | Var:0.2 | Var:0.2 | Var:0.1 |
| raī | | ES:95% | ES:76% | ES:79% |
| Sut | | 0.39 ± 0.03 | 0.41 ± 0.03 | 0.33 ± 0.02 |
| _ | $\overline{\mathrm{DG}}$ | Var:0.2 | Var:0.2 | Var:0.2 |
| | | $\mathrm{ES:}95\%$ | $\mathrm{ES:}76\%$ | $\mathrm{ES:}67\%$ |

Table 6: Temporary Monopoly Experiment Heavy Tail X=200

| | | Incumbent | Algorithm | |
|-------------------|--------------------------|-------------------|------------------|--------------------|
| | | TS | DEG | DG |
| _ u | | 0.003 ± 0.003 | 0.083 ± 0.02 | 0.17 ± 0.02 |
| $^{	ext{thr}}$ | TS | Var:0.002 | Var:0.07 | Var:0.1 |
| ori | | ES:100% | ES:97% | ES:95% |
| Entrant Algorithm | | 0.045 ± 0.01 | 0.25 ± 0.02 | 0.23 ± 0.02 |
| nt , | DEG | Var:0.03 | Var:0.1 | Var:0.1 |
| ra | | ES:92% | ES:75% | $\mathrm{ES:}78\%$ |
| Ent | | 0.12 ± 0.02 | 0.36 ± 0.03 | 0.3 ± 0.02 |
| | $\overline{\mathrm{DG}}$ | Var:0.08 | Var:0.2 | Var:0.1 |
| | | ES:88% | ES:76% | ES:64% |

Table 7: Temporary Monopoly Experiment Heavy Tail X = 300 $\,$

| | Incumbent Algorithm | | | | |
|-------------------|--------------------------|--------------------|------------------|-------------------|--|
| | | TS | DEG | DG | |
| _ u | | 0.0017 ± 0.002 | 0.059 ± 0.01 | 0.16 ±0.02 | |
| $^{ m thr}$ | TS | Var:0.001 | Var:0.05 | Var:0.1 | |
| ori | | ES:100% | ES:99% | ES:95% | |
| Entrant Algorithm | | 0.029 ± 0.007 | 0.23 ± 0.02 | 0.23 ± 0.02 | |
| je B | DEG | Var:0.01 | Var:0.1 | Var:0.1 | |
| ıra. | | ES:93% | ES:74% | ES:78% | |
| 3nt | | 0.097 ± 0.02 | 0.34 ± 0.03 | 0.29 ± 0.02 | |
| _ | $\overline{\mathrm{DG}}$ | Var:0.06 | Var:0.2 | Var:0.1 | |
| | | ES:89% | ES:76% | ES:66% | |

Table 8: Temporary Monopoly Experiment Heavy Tail X=500

| | Incumbent Algorithm | | | | |
|---|--------------------------|--------------------|--------------------|--------------------|--|
| | Incumbent Algorithm | | | | |
| thm | | TS | DEG | DG | |
| ina | | 0.002 ± 0.003 | 0.043 ± 0.01 | 0.16 ± 0.02 | |
| A P | TS | Var:0.002 | Var:0.04 | Var:0.1 | |
| e tri | | ES:100% | ES:98% | ES:94% | |
| F. F | | 0.03 ± 0.007 | 0.21 ± 0.02 | 0.24 ± 0.02 | |
| gu | DEG | Var:0.01 | Var:0.1 | Var:0.1 | |
| raĪ | | ES:92% | ES:76% | ES:78% | |
| Entra ffintAbgdriAllgo ri <mark>t</mark> l | | 0.091 ± 0.01 | 0.32 ± 0.03 | 0.3 ± 0.02 | |
| | $\overline{\mathrm{DG}}$ | Var:0.05 | Var:0.2 | Var:0.1 | |
| | | $\mathrm{ES:}87\%$ | $\mathrm{ES:}78\%$ | $\mathrm{ES:}65\%$ | |

Needle In Haystack Prior

Table 9: Temporary Monopoly Experiment Needle In Haystack $\mathbf{X} = \mathbf{50}$

| | Incumbent Algorithm | | | | |
|-------------------|--------------------------|-----------------|-----------------|--------------------|--|
| | | TS | DEG | DG | |
| _ u | | 0.34 ± 0.03 | 0.4 ± 0.03 | 0.48 ±0.03 | |
| thr | TS | Var:0.2 | Var:0.2 | Var:0.2 | |
| Entrant Algorithm | | ES:92% | ES:90% | ES:85% | |
| Alg | | 0.22 ± 0.02 | 0.34 ± 0.03 | 0.42 ± 0.03 | |
| ot. | DEG | Var:0.1 | Var:0.2 | Var:0.2 | |
| īraī | | ES:93% | ES:83% | $\mathrm{ES:}75\%$ | |
| Bnt | | 0.18 ± 0.02 | 0.28 ± 0.02 | 0.37 ± 0.03 | |
| | $\overline{\mathrm{DG}}$ | Var:0.1 | Var:0.2 | Var:0.2 | |
| | | ES:89% | ES:78% | ES:70% | |

Table 10: Temporary Monopoly Experiment Needle In Haystack $\mathbf{X} = 200$

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|------------------|-----------------|--------------------|
| | | TS | DEG | DG |
| п | | 0.17 ± 0.02 | 0.31 ± 0.03 | 0.41 ± 0.03 |
| $^{ m thr}$ | TS | Var:0.1 | Var:0.2 | Var:0.2 |
| ori | | ES:95% | ES:90% | $\mathrm{ES:}86\%$ |
| Alg | DEG | 0.13 ± 0.02 | 0.26 ± 0.02 | 0.36 ± 0.03 |
| ıt. | | Var:0.1 | Var:0.2 | Var:0.2 |
| rai | | ES:95% | ES:85% | ES:78% |
| Entrant Algorithm | | 0.093 ± 0.02 | 0.23 ± 0.02 | 0.33 ± 0.03 |
| | $\overline{\mathrm{DG}}$ | Var:0.07 | Var:0.1 | Var:0.2 |
| | | ES:94% | ES:83% | ES:74% |

Table 11: Temporary Monopoly Experiment Needle In Haystack $\mathbf{X} = 300$

| | Incumbent Algorithm | | | | |
|-------------------|--------------------------|------------------|-----------------|-----------------|--|
| | | TS | DEG | DG | |
| n | | 0.1 ± 0.02 | 0.28 ± 0.03 | 0.39 ± 0.03 | |
| $_{ m thr}$ | TS | Var:0.07 | Var:0.2 | Var:0.2 | |
| ;ori | | ES:95% | ES:91% | ES:87% | |
| Entrant Algorithm | | 0.089 ± 0.02 | 0.23 ± 0.02 | 0.36 ± 0.03 | |
| ıt, | DEG | Var:0.06 | Var:0.2 | Var:0.2 | |
| raı | | ES:94% | ES:88% | ES:80% | |
| ∃nt | | 0.05 ± 0.01 | 0.21 ± 0.02 | 0.33 ± 0.03 | |
| | $\overline{\mathrm{DG}}$ | Var:0.03 | Var:0.1 | Var:0.2 | |
| | | ES:96% | ES:83% | ES:74% | |

Table 12: Temporary Monopoly Experiment Needle In Haystack $\mathbf{X} = 500$

| | Incumbent Algorithm | | | | |
|-------------------|--------------------------|-------------------|-----------------|--------------------|--|
| | | TS | DEG | DG | |
| п | | 0.053 ± 0.01 | 0.23 ± 0.02 | 0.37 ± 0.03 | |
| $^{ m thr}$ | TS | Var:0.04 | Var:0.2 | Var:0.2 | |
| ori, | | ES:95% | ES:92% | ES:88% | |
| Entrant Algorithm | | 0.051 ± 0.01 | 0.2 ± 0.02 | 0.33 ± 0.03 | |
| jt ' | DEG | Var:0.04 | Var:0.1 | Var:0.2 | |
| raı | | ES:97% | ES:89% | ES:80% | |
| But | | 0.031 ± 0.009 | 0.18 ± 0.02 | 0.31 ± 0.02 | |
| _ | $\overline{\mathrm{DG}}$ | Var:0.02 | Var:0.1 | Var:0.2 | |
| | | ES:98% | ES:88% | $\mathrm{ES:}76\%$ | |

Uniform Prior

Table 13: Temporary Monopoly Experiment Uniform $\mathbf{X}=50$

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|-----------------|-----------------|-----------------|
| | | TS | DEG | DG |
| п | | 0.27 ± 0.03 | 0.21 ± 0.02 | 0.26 ± 0.02 |
| thi | TS | Var:0.2 | Var:0.1 | Var:0.2 |
| Entrant Algorithm | | ES:91% | ES:88% | ES:83% |
| Alg | | 0.39 ± 0.03 | 0.3 ± 0.03 | 0.34 ± 0.03 |
| nt. | DEG | Var:0.2 | Var:0.2 | Var:0.2 |
| ra | | ES:84% | ES:80% | ES:73% |
| Bn | | 0.39 ± 0.03 | 0.31 ± 0.02 | 0.33 ± 0.02 |
| | $\overline{\mathrm{DG}}$ | Var:0.2 | Var:0.2 | Var:0.2 |
| | | ES:85% | ES:74% | ES:70% |

Table 14: Temporary Monopoly Experiment Uniform $\mathbf{X} = 200$

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|-----------------|------------------------|-----------------|
| | | TS | DEG | DG |
| п | | 0.12 ± 0.02 | 0.16 ± 0.02 | 0.2 ± 0.02 |
| $^{ m thr}$ | TS | Var:0.08 | Var:0.1 | Var:0.1 |
| ori | | ES:89% | ES:87% | ES:84% |
| Entrant Algorithm | | 0.25 ± 0.02 | 0.24 ± 0.02 | 0.29 ± 0.02 |
| jt , | DEG | Var:0.1 | Var:0.1 | Var:0.1 |
| ra | | ES:81% | ES:77% | ES:71% |
| Ent | | 0.23 ± 0.02 | 0.24 ± 0.02 | 0.29 ± 0.02 |
| - | $\overline{\mathrm{DG}}$ | Var:0.1 | Var:0.1 | Var:0.1 |
| | | ES:80% | ES:76% | ES:69% |

Table 15: Temporary Monopoly Experiment Uniform X = 300

| | Incumbent Algorithm | | | | |
|-----------------------------------|--------------------------|------------------|-----------------|-----------------|--|
| | Incumbent Algorithm | | | | |
| thm | | TS | DEG | DG | |
| _ii | | 0.094 ± 0.02 | 0.15 ± 0.02 | 0.2 ± 0.02 | |
| Alb | TS | Var:0.06 | Var:0.1 | Var:0.1 | |
| et ri | | ES:90% | ES:86% | ES:85% | |
| EEL J. | | 0.2 ± 0.02 | 0.23 ± 0.02 | 0.29 ± 0.02 | |
| Part | DEG | Var:0.1 | Var:0.1 | Var:0.1 | |
| Entra ffinktlydriAllgor it | | ES:80% | ES:74% | ES:70% | |
| 3nt | | 0.21 ± 0.02 | 0.23 ± 0.02 | 0.29 ± 0.02 | |
| | $\overline{\mathrm{DG}}$ | Var:0.1 | Var:0.1 | Var:0.1 | |
| | | ES:79% | ES:74% | ES:70% | |

Table 16: Temporary Monopoly Experiment Uniform X = 500

| | Incumbent Algorithm | | | | |
|-------------------|--------------------------|--------------------|--------------------|--------------------|--|
| | | TS | DEG | DG | |
| _ п | | 0.061 ± 0.01 | 0.12 ± 0.02 | 0.2 ±0.02 | |
| thr | TS | Var:0.03 | Var:0.08 | Var:0.1 | |
| ori, | | ES:91% | ES:88% | ES:84% | |
| Alg | | 0.17 ± 0.02 | 0.21 ± 0.02 | 0.29 ± 0.02 | |
| ıţ, | DEG | Var:0.09 | Var:0.1 | Var:0.1 | |
| raı | | $\mathrm{ES:}79\%$ | ES:75% | $\mathrm{ES:}73\%$ | |
| Entrant Algorithm | | 0.18 ± 0.02 | 0.22 ± 0.02 | 0.29 ± 0.02 | |
| | $\overline{\mathrm{DG}}$ | Var:0.1 | Var:0.1 | Var:0.1 | |
| | | ES:78% | $\mathrm{ES:}75\%$ | ES:70% | |

E Reputation and Information Erased Experiment

This section contains the results on all of the family of instances for the reputation and information erased experiment discussed in the "Data and Reputation as Barriers to Entry" section of the paper.

Table 17: Reputation Erased Experiment Heavy Tail

Incumbent Algorithm

| | | TS | DEG | DG |
|-----------|--------------------------|--------------------|-----------------|-------------------|
| | | 0.0096 ± 0.006 | 0.11 ± 0.02 | 0.18 ± 0.02 |
| $h\pi$ | TS | Var: 0.009 | Var: 0.09 | Var: 0.1 |
| Algorithm | | ES: 100 % | ES: 98 % | ES: 95 % |
| \lga | | 0.073 ± 0.01 | 0.29 ± 0.02 | $0.25 \ \pm 0.02$ |
| | DEG | Var: 0.05 | Var: 0.2 | Var: 0.1 |
| Entrant | | ES: 93 % | ES: 78 % | ES: 79 % |
| Int | | 0.15 ± 0.02 | 0.39 ± 0.03 | 0.33 ± 0.02 |
| щ | $\overline{\mathrm{DG}}$ | Var: 0.1 | Var: 0.2 | Var: 0.2 |
| | | ES: 89 % | ES: 78% | ES: 66 $\%$ |

Table 18: Information Erased Experiment Heavy Tail

| Incumbent | A 10 | corithm |
|-----------|------|---------|
| mounden | T112 | |

| | | TS | $\overline{\mathrm{DEG}}$ | $\overline{\mathrm{DG}}$ |
|-------------------|--------------------------|-------------------|---------------------------|--------------------------|
| п | | 0.021 ± 0.009 | 0.16 ± 0.02 | 0.21 ± 0.02 |
| $^{ m thr}$ | TS | Var: 0.02 | Var: 0.1 | Var: 0.2 |
| ori | | ES: 100% | ES: 97 $\%$ | ES: 95 $\%$ |
| Λ 1g | | 0.26 ± 0.03 | 0.3 ± 0.02 | 0.26 ± 0.02 |
| ıt 7 | $\overline{\text{DEG}}$ | Var: 0.2 | Var: 0.2 | Var: 0.1 |
| raı | | ES: 95 $\%$ | ES: 74% | ES: 76% |
| Entrant Algorithm | | 0.34 ± 0.03 | 0.4 ± 0.03 | 0.33 ± 0.02 |
| | $\overline{\mathrm{DG}}$ | Var: 0.2 | Var: 0.2 | Var: 0.1 |
| | | ES: 94 $\%$ | ES: 74 $\%$ | ES: 58% |

Table 19: Reputation Erased Experiment Needle In Haystack

| - | | | |
|-------|--------|------------------|--------------|
| Inci | umbent | $\Lambda \log c$ | rithm |
| 11107 | пппеп | | ,, ,,,,,,,,, |

| | | TS | DEG | $\overline{\mathrm{DG}}$ |
|-------------------|--------------------------|------------------------|-------------------|--------------------------|
| | | 0.25 ± 0.03 | 0.36 ± 0.03 | 0.45 ± 0.03 |
| $^{ m thr}$ | TS | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| ori | | ES: 96 $\%$ | ES: 93 $\%$ | ES: 89 % |
| Entrant Algorithm | | 0.21 ± 0.02 | 0.32 ± 0.03 | 0.41 ± 0.03 |
| ıt 7 | $\overline{\text{DEG}}$ | Var: 0.1 | Var: 0.2 | Var: 0.2 |
| raı | | ES: 93 $\%$ | ES: 89 $\%$ | ES: 83 $\%$ |
| But | | 0.18 ± 0.02 | $0.29 \ \pm 0.03$ | 0.4 ± 0.03 |
| _ | $\overline{\mathrm{DG}}$ | Var: 0.1 | Var: 0.2 | Var: 0.2 |
| | | ES: 92 $\%$ | ES: 86 $\%$ | ES: 78% |

Table 20: Information Erased Experiment Needle In Haystack

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|------------------------|------------------------|-----------------|
| | | TS | DEG | DG |
| _ u | | 0.35 ± 0.03 | 0.43 ± 0.03 | 0.52 ± 0.03 |
| $^{ m thr}$ | TS | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| Entrant Algorithm | | ES: 93 $\%$ | ES: 88 % | ES: 82 $\%$ |
| Alg | | 0.26 ± 0.03 | 0.36 ± 0.03 | 0.43 ± 0.03 |
| ıt. | DEG | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| raı | | ES: 90 $\%$ | ES: 80% | ES: 71 $\%$ |
| ∃nt | | 0.19 ± 0.02 | 0.3 ± 0.02 | 0.36 ± 0.02 |
| | $\overline{\mathrm{DG}}$ | Var: 0.1 | Var: 0.1 | Var: 0.2 |
| | | ES: 85% | ES: 73% | ES: 64% |

Table 21: Reputation Erased Experiment Uniform

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|-----------------|------------------------|-----------------|
| | | TS | DEG | DG |
| п | | 0.2 ± 0.02 | 0.22 ± 0.02 | 0.27 ± 0.03 |
| $^{ m thr}$ | TS | Var: 0.1 | Var: 0.1 | Var: 0.2 |
| Entrant Algorithm | | ES: 89 $\%$ | ES: 88 % | ES: 87% |
| Alg | | 0.33 ± 0.03 | 0.32 ± 0.03 | 0.35 ± 0.03 |
| jt . | DEG | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| raı | | ES: 81% | ES: 79% | ES: 75 $\%$ |
| Ent | | 0.32 ± 0.03 | 0.31 ± 0.03 | 0.35 ± 0.03 |
| | $\overline{\mathrm{DG}}$ | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| | | ES: 80 % | ES: 77 % | ES: 73 % |

Table 22: Information Erased Experiment Uniform

| Incumbent Algorithm | | | | |
|---------------------|--------------------------|------------------------|-------------------|-----------------|
| | | TS | DEG | DG |
| п | | 0.27 ± 0.03 | 0.23 ± 0.02 | 0.27 ± 0.02 |
| $^{ m thr}$ | TS | Var: 0.2 | Var: 0.1 | Var: 0.2 |
| ori | | ES: 91 $\%$ | ES: 87 $\%$ | ES: 84 % |
| Entrant Algorithm | | 0.4 ± 0.03 | 0.3 ± 0.02 | 0.32 ± 0.02 |
| ıt 7 | DEG | Var: 0.2 | Var: 0.2 | Var: 0.2 |
| raı | | ES: 86% | ES: 72% | ES: 69 $\%$ |
| Jut | | 0.36 ± 0.03 | $0.29 \ \pm 0.02$ | 0.3 ± 0.02 |
| | $\overline{\mathrm{DG}}$ | Var: 0.2 | Var: 0.1 | Var: 0.1 |
| | | ES: 83 % | ES: 69 % | ES: 60 % |