

Mean Total Simulation Runtime and Number of Simulations Used for 100 Hypothetical A/B Tests

Data Generating Processes are Randomly Generated with Estimated
Sample Size Varying from 1 to 1,000,000 with $\alpha = 0.05$
and precision +/- 0.025 of $(1 - \beta = 0.80)$

	Binary Search (Uninformed)	Binary Search (with Starting Value)	Isotonic Interpolation
Time Taken in Seconds (n <= 100,000)	1,574 (522)	449 (127)	154 (128)
Simulations Used (n <= 100,000)	2,158 (430)	1,716 (261)	621 (405)
Number of Hypothetical Experimental Results (n <= 100,000)	19		
Time Taken in Seconds (100,000 < n <= 1,000,000)	1,200 (495)	1,346 (747)	350 (248)
Simulations Used (100,000 < n <= 1,000,000)	1,407 (348)	1,751 (378)	798 (397)
Number of Hypothetical Experimental Results (100,000 < n <= 1,000,000)	81		

Mean Total Simulation Runtime and Number of Simulations Used for Power Analysis of 100 Randomly Generated A/B Tests

Estimated Sample Size Varies from 1 to 1,000,000 with $\alpha = 0.05$ and $(1 - \beta) = 0.80 \pm 0.025$

	Binary Search (Uninformed)	Binary Search (with Starting Value)	Isotonic Interpolation
Mean Time Taken in Seconds (S.D.)	1,271 (519)	1,176 (761)	313 (242)
Mean Simulations Required (S.D.)	1,550 (468)	1,744 (347)	764 (402)