

BRAVO and Proposed Audits.

risk limit = 0.1; margin = 0.1; 1000 votes cast

Note that total election size only matters in the computation of average number of ballots drawn

| Round Size: Row 5, BRAVO Table 1 | 193 | 332 | 587 | 974 | 2,155 |
|---|--------|--------|--------|--------|--------|
| BRAVO Percentiles | 25 | 50 | 75 | 90 | 99 |
| Current instantiation of BRAVO as a round-by-round audit: Average Ballots = 758 | | | | | |
| Winner votes needed to stop | 113 | 186 | 320 | 523 | 1,143 |
| Stopping probabilities | 0.1792 | 0.3998 | 0.6509 | 0.8400 | 0.9774 |
| Stopping probabilities of ballot-by-ballot audits | 0.2507 | 0.5005 | 0.7504 | 0.9002 | 0.9902 |
| Risk expended (0.0389) | 0.0105 | 0.0221 | 0.0318 | 0.0376 | 0.0389 |
| Ideal Risk expended by ballot-by-ballot audit (0.0950) | 0.0287 | 0.0511 | 0.0733 | 0.0868 | 0.0950 |
| Proposed Audit: Average Ballots = 580 approx. 0.77 % of 758 | | | | | |
| Winner votes needed to stop | 111 | 183 | 315 | 516 | 1,126 |
| Stopping probabilities | 0.2651 | 0.5310 | 0.7871 | 0.9263 | 0.9967 |
| Risk expended (0.0945) | 0.0218 | 0.0459 | 0.0700 | 0.0851 | 0.0945 |