

A mintavételi hiba meghatározása

Mintanagyság	95%-os megbízhatósági szint (konfidencia intervallum) binomiális megoszlás				
	50% / 50%	60% / 40%	70% / 30%	80% / 20%	90% / 10%
50	14.14%	13.86%	12.96%	11.31%	8.49%
100	10.00%	9.80%	9.17%	8.00%	6.00%
150	8.16%	8.00%	7.48%	6.53%	4.90%
200	7.07%	6.93%	6.48%	5.66%	4.24%
250	6.32%	6.20%	5.80%	5.06%	3.79%
300	5.77%	5.66%	5.29%	4.62%	3.46%
350	5.35%	5.24%	4.90%	4.28%	3.21%
400	5.00%	4.90%	4.58%	4.00%	3.00%
450	4.71%	4.62%	4.32%	3.77%	2.83%
500	4.47%	4.38%	4.10%	3.58%	2.68%
550	4.26%	4.18%	3.91%	3.41%	2.56%
600	4.08%	4.00%	3.74%	3.27%	2.45%
650	3.92%	3.84%	3.59%	3.14%	2.35%
700	3.78%	3.70%	3.46%	3.02%	2.27%
750	3.65%	3.58%	3.35%	2.92%	2.19%
800	3.54%	3.46%	3.24%	2.83%	2.12%
850	3.43%	3.36%	3.14%	2.74%	2.06%
900	3.33%	3.27%	3.06%	2.67%	2.00%
950	3.24%	3.18%	2.97%	2.60%	1.95%
1000	3.16%	3.10%	2.90%	2.53%	1.90%
1100	3.02%	2.95%	2.76%	2.41%	1.81%
1200	2.89%	2.83%	2.65%	2.31%	1.73%
1300	2.77%	2.72%	2.54%	2.22%	1.66%
1400	2.67%	2.62%	2.45%	2.14%	1.60%
1500	2.58%	2.53%	2.37%	2.07%	1.55%
1600	2.50%	2.45%	2.29%	2.00%	1.50%
1700	2.43%	2.38%	2.22%	1.94%	1.46%
1800	2.36%	2.31%	2.16%	1.89%	1.41%
1900	2.29%	2.25%	2.10%	1.84%	1.38%
2000	2.24%	2.19%	2.05%	1.79%	1.34%
2500	2.00%	1.96%	1.83%	1.60%	1.20%
3000	1.83%	1.79%	1.67%	1.46%	1.10%
3500	1.69%	1.66%	1.55%	1.35%	1.01%
4000	1.58%	1.55%	1.45%	1.26%	0.95%
5000	1.41%	1.39%	1.30%	1.13%	0.85%

forrás: www.e-benchmark.hu

Például:

Egy 400 fős mintában 60% válaszolt igennel, 40% nemmel. A mintavételi hiba becslésére +/-4.9% adódik.

Tehát az igenek száma a teljes populációban valahol az 55.1% és 64.9% közötti intervallumban lesz (konfidencia intervallum), 95%-os megbízhatósággal.