

A mintavételi hiba meghatározása

Mintanagyság	99%-os megbízhatósági szint (konfidencia intervallum)				
	binomiális megoszlás				
	50% / 50%	60% / 40%	70% / 30%	80% / 20%	90% / 10%
50	21.21%	20.78%	19.44%	16.97%	12.7%
100	15.00%	14.70%	13.75%	12.00%	9.0%
150	12.25%	12.00%	11.22%	9.80%	7.3%
200	10.61%	10.39%	9.72%	8.49%	6.4%
250	9.49%	9.30%	8.69%	7.59%	5.7%
300	8.66%	8.49%	7.94%	6.93%	5.2%
350	8.02%	7.86%	7.35%	6.41%	4.8%
400	7.50%	7.35%	6.87%	6.00%	4.5%
450	7.07%	6.93%	6.48%	5.66%	4.2%
500	6.71%	6.57%	6.15%	5.37%	4.0%
550	6.40%	6.27%	5.86%	5.12%	3.8%
600	6.12%	6.00%	5.61%	4.90%	3.7%
650	5.88%	5.76%	5.39%	4.71%	3.5%
700	5.67%	5.55%	5.20%	4.54%	3.4%
750	5.48%	5.37%	5.02%	4.38%	3.3%
800	5.30%	5.20%	4.86%	4.24%	3.2%
850	5.14%	5.04%	4.72%	4.12%	3.1%
900	5.00%	4.90%	4.58%	4.00%	3.0%
950	4.87%	4.77%	4.46%	3.89%	2.9%
1000	4.74%	4.65%	4.35%	3.79%	2.8%
1100	4.52%	4.43%	4.15%	3.62%	2.7%
1200	4.33%	4.24%	3.97%	3.46%	2.6%
1300	4.16%	4.08%	3.81%	3.33%	2.5%
1400	4.01%	3.93%	3.67%	3.21%	2.4%
1500	3.87%	3.79%	3.55%	3.10%	2.3%
1600	3.75%	3.67%	3.44%	3.00%	2.3%
1700	3.64%	3.56%	3.33%	2.91%	2.2%
1800	3.54%	3.46%	3.24%	2.83%	2.1%
1900	3.44%	3.37%	3.15%	2.75%	2.1%
2000	3.35%	3.29%	3.07%	2.68%	2.0%
2500	3.00%	2.94%	2.75%	2.40%	1.8%
3000	2.74%	2.68%	2.51%	2.19%	1.6%
3500	2.54%	2.48%	2.32%	2.03%	1.5%
4000	2.37%	2.32%	2.17%	1.90%	1.4%
5000	2.12%	2.08%	1.94%	1.70%	1.3%

forrás: www.e-benchmark.hu

Például:

Egy 400 fős mintában 60% válaszolt igennel, 40% nemmel. A mintavételi hiba becslésére +/-7.35% adódik.

Tehát az igenek száma a teljes populációban valahol az 52.6% és 67.4% közötti intervallumban lesz (konfidencia intervallum), 99%-os megbízhatósággal.