

COUPLES HEUREUX OU MALHEUREUX POUR L'IC STANDARD

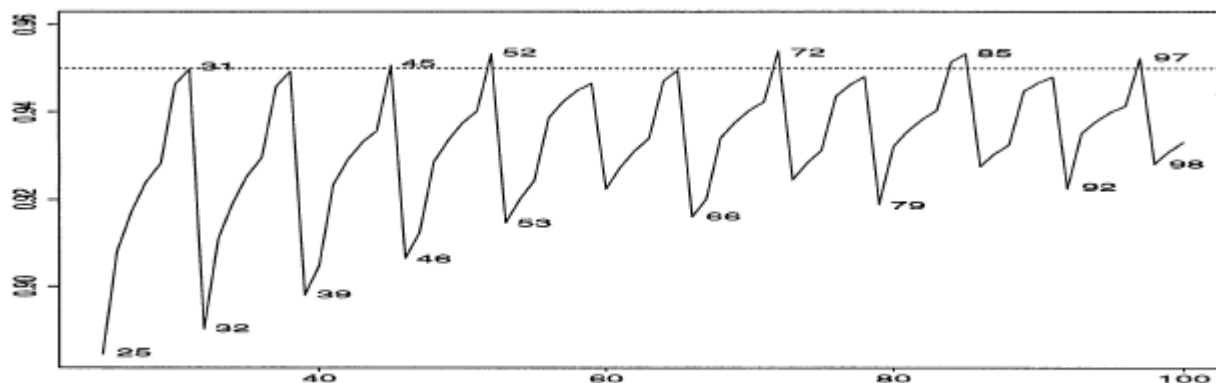


FIG. 1. Standard interval; oscillation phenomenon for fixed $p = 0.2$ and variable $n = 25$ to 100.

TABLE 1
Standard interval; lucky n and unlucky n for $10 \leq n \leq 50$ and $p = 0.5$

Lucky n	17	20	25	30	35	37	42	44	49
$C(0.5, n)$	0.951	0.959	0.957	.957	0.959	0.953	0.956	0.951	0.956
Unlucky n	10	12	13	15	18	23	28	33	40
$C(0.5, n)$	0.891	0.854	0.908	0.882	0.904	0.907	0.913	0.920	0.919

TABLE 2
Standard interval; late arrival of unlucky n for small p

Unlucky n	592	954	1279	1583	1876
$C(0.005, n)$	0.792	0.852	0.875	0.889	0.898

Extrait de « Interval estimation for a binomial proportion », Brown, Cai, Dasgupta, *Statistical Science*, 2001, Vol.16, No.2, pages 104 à 106.

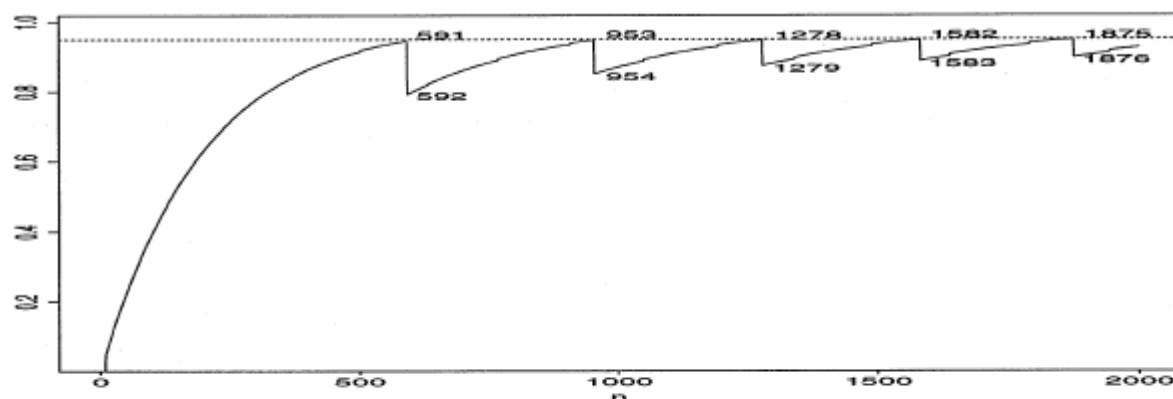


FIG. 2. *Standard interval; oscillation in coverage for small p .*

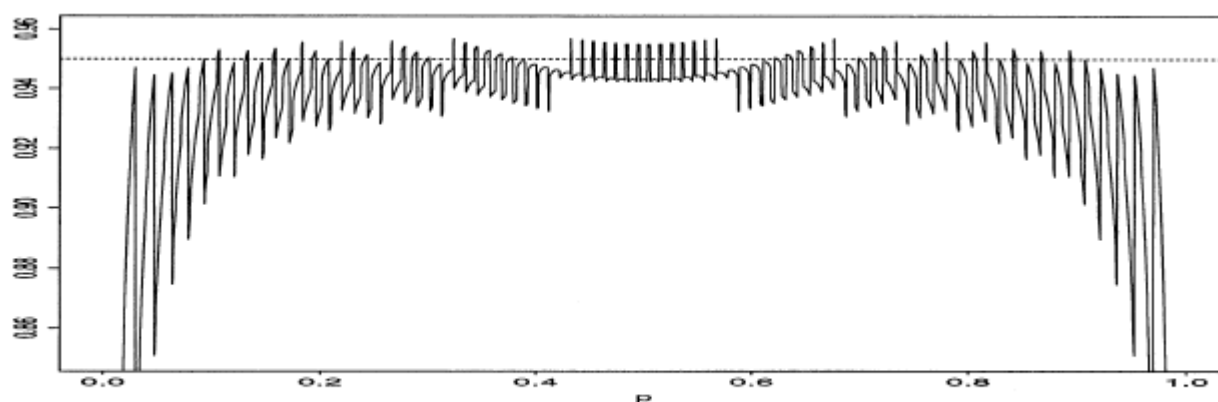


FIG. 3. *Standard interval; oscillation phenomenon for fixed $n = 100$ and variable p .*

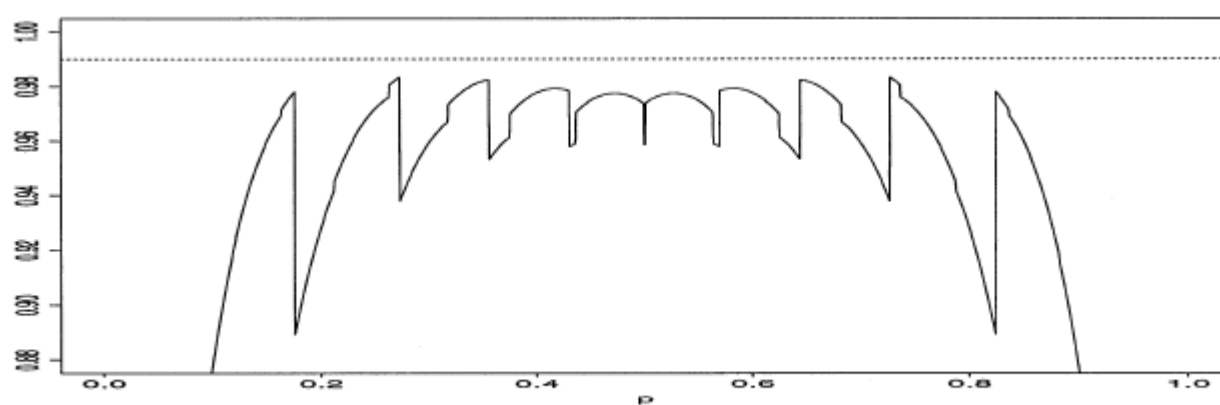


FIG. 4. *Coverage of the nominal 99% standard interval for fixed $n = 20$ and variable p .*

Extrait de « Interval estimation for a binomial proportion », Brown, Cai, Dasgupta, *Statistical Science*, 2001, Vol.16, No.2, pages 104 à 106.