

Online Supplement

Number preferences in lotteries

Tong V. Wang
Rogier J.D. Potter van Loon
Martijn J. van den Assem
Dennie van Dolder

Figures:

1. The online Lotto form.
2. Number frequencies in the casino game, 2013 vs. 2014.
3. Center effects in the Lotto game with weighted observations.
4. Center effects in the casino game with weighted observations.
5. Diagonal and vertical patterns in the Lotto game.
6. Theoretical spacing distribution in the Lotto game.
7. Theoretical spacing distribution in the casino game (without sorting).
8. Difference between the empirical and theoretical spacing distribution in the casino game (without sorting).
9. Theoretical spacing distribution in the casino game (with sorting).
10. Difference between the empirical and theoretical spacing distribution in the Lotto game with weighted observations.
11. Difference between the empirical and theoretical spacing distribution in the casino game with weighted observations (with sorting).

Tables:

1. Prizes and probabilities in the Lotto game.

Figure S1: The online Lotto form.

Kies uw 6 getallen 

1	1	2	3	4	5	6	7	8	9
	10	11	12	13	14	15	16	17	18
	19	20	21	22	23	24	25	26	27
	28	29	30	31	32	33	34	35	36
	37	38	39	40	41	42	43	44	45

 Automatisch kiezen  Alle getallen wissen

Figure S2: Number frequencies in the casino game, 2013 vs. 2014.

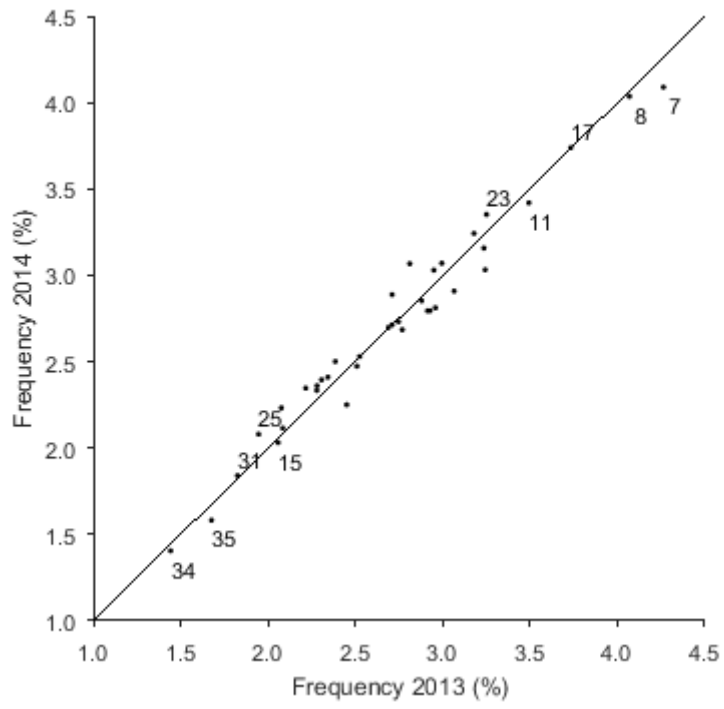
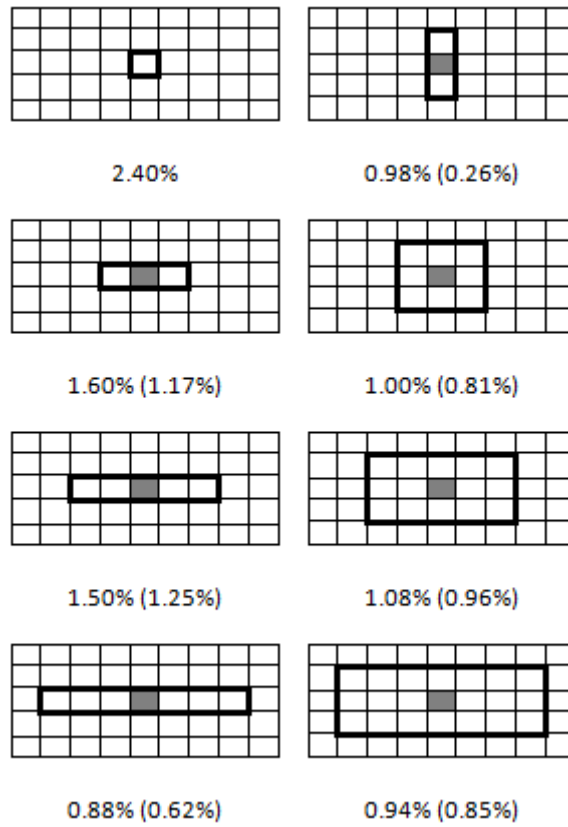
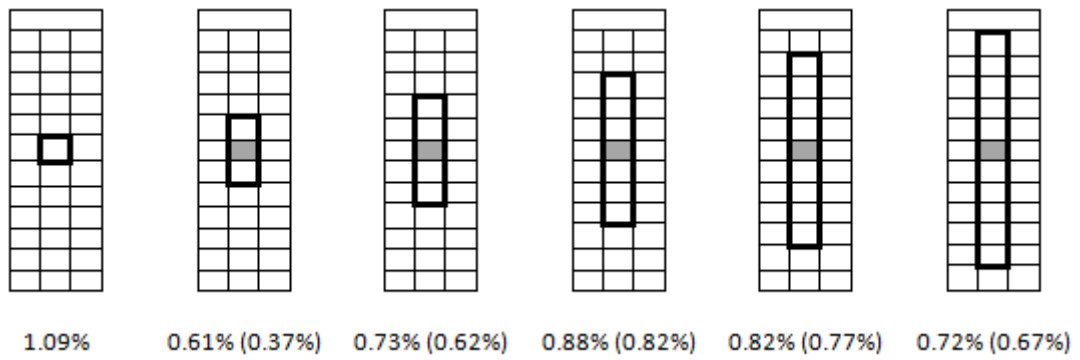


Figure S3: Center effects in the Lotto game with weighted observations.



Notes: Center definitions are indicated with bold rectangles. Differences are expressed in percentage points. Results after excluding number 23 (highlighted in grey) are within parentheses.

Figure S4: Center effects in the casino game with weighted observations.



Notes: Center definitions are indicated with bold rectangles. Differences are expressed in percentage points. Results after excluding number 17 (highlighted in grey) are within parentheses.

Figure S5: Diagonal and vertical patterns in the Lotto game.

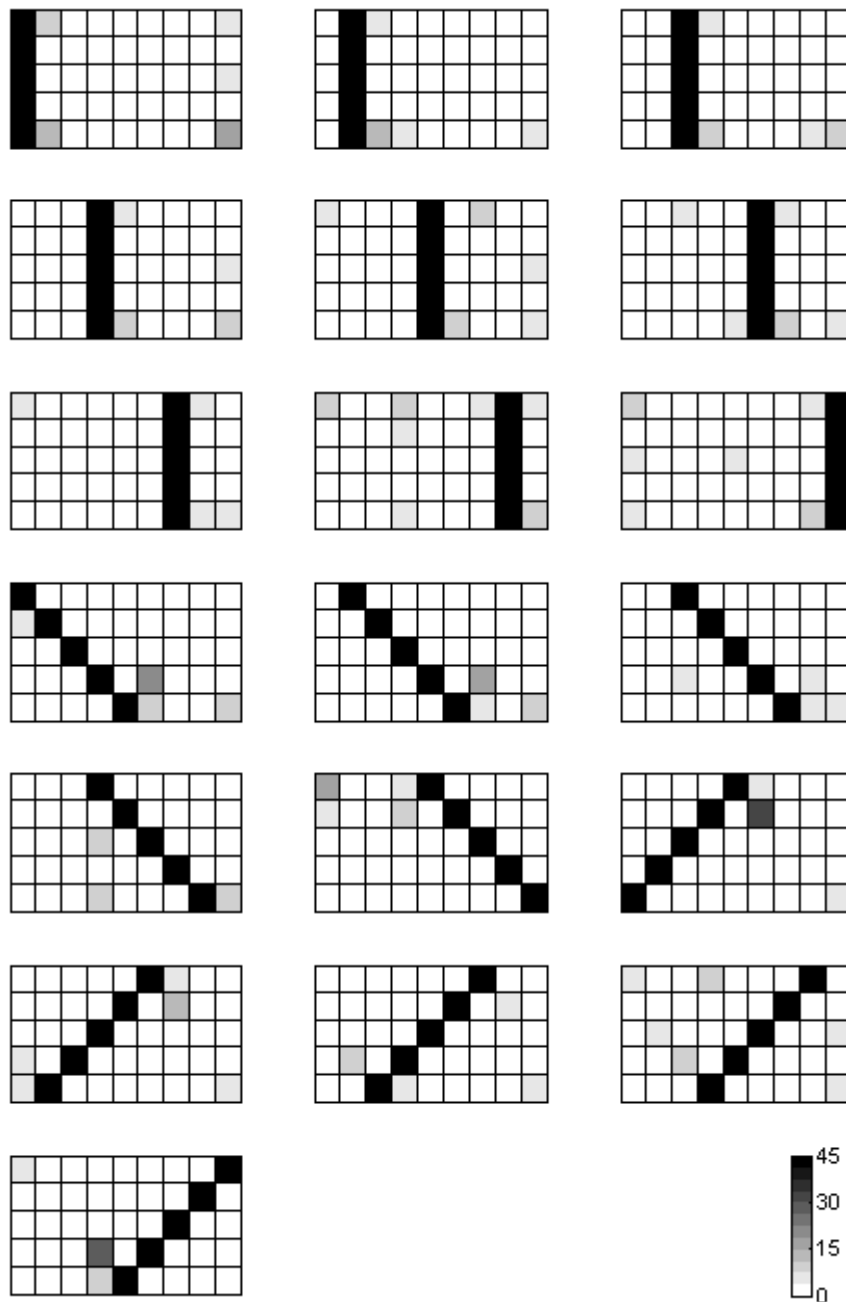


Figure S6: Theoretical spacing distribution in the Lotto game.

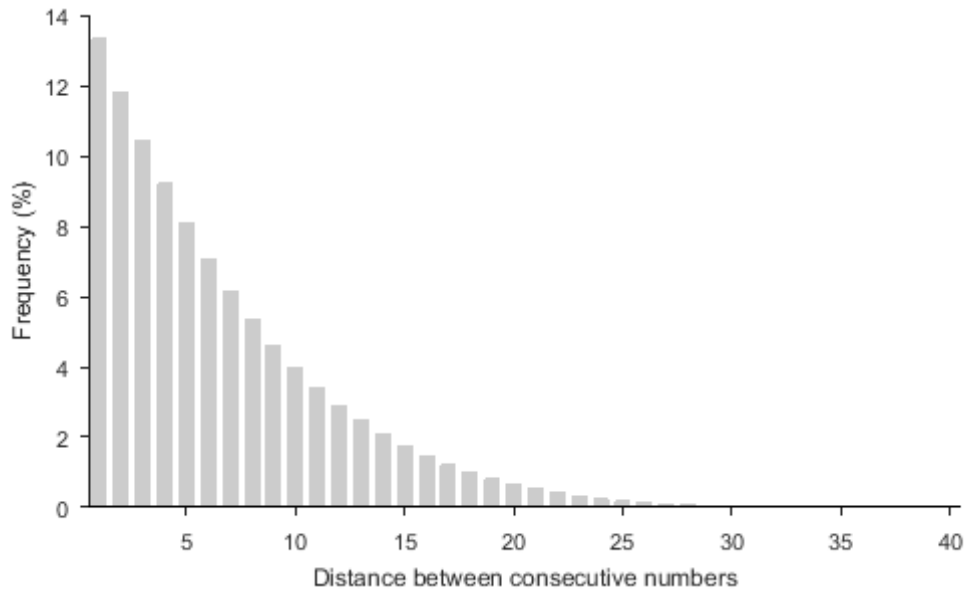


Figure S7: Theoretical spacing distribution in the casino game (without sorting).

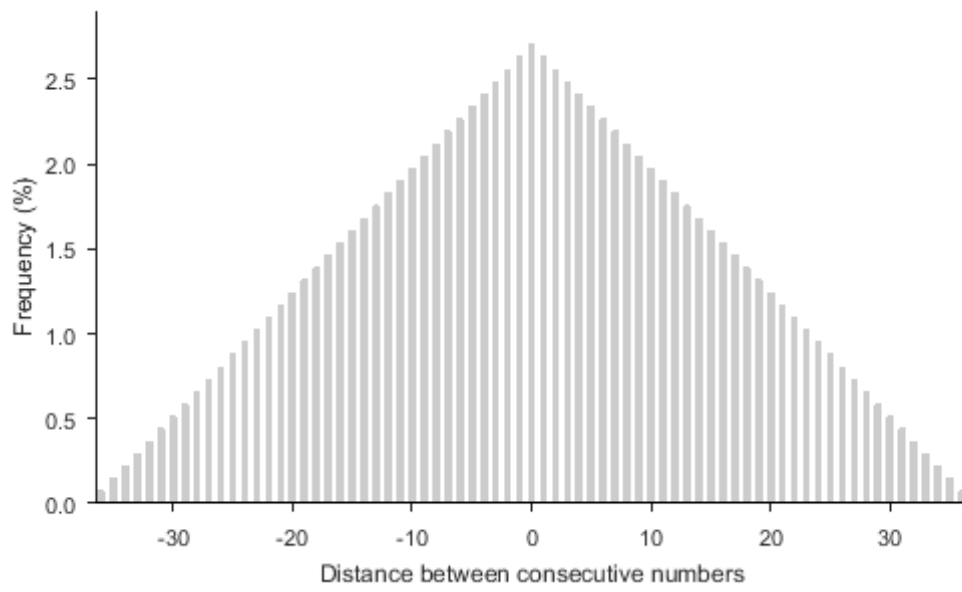


Figure S8: Difference between the empirical and theoretical spacing distribution in the casino game (without sorting).

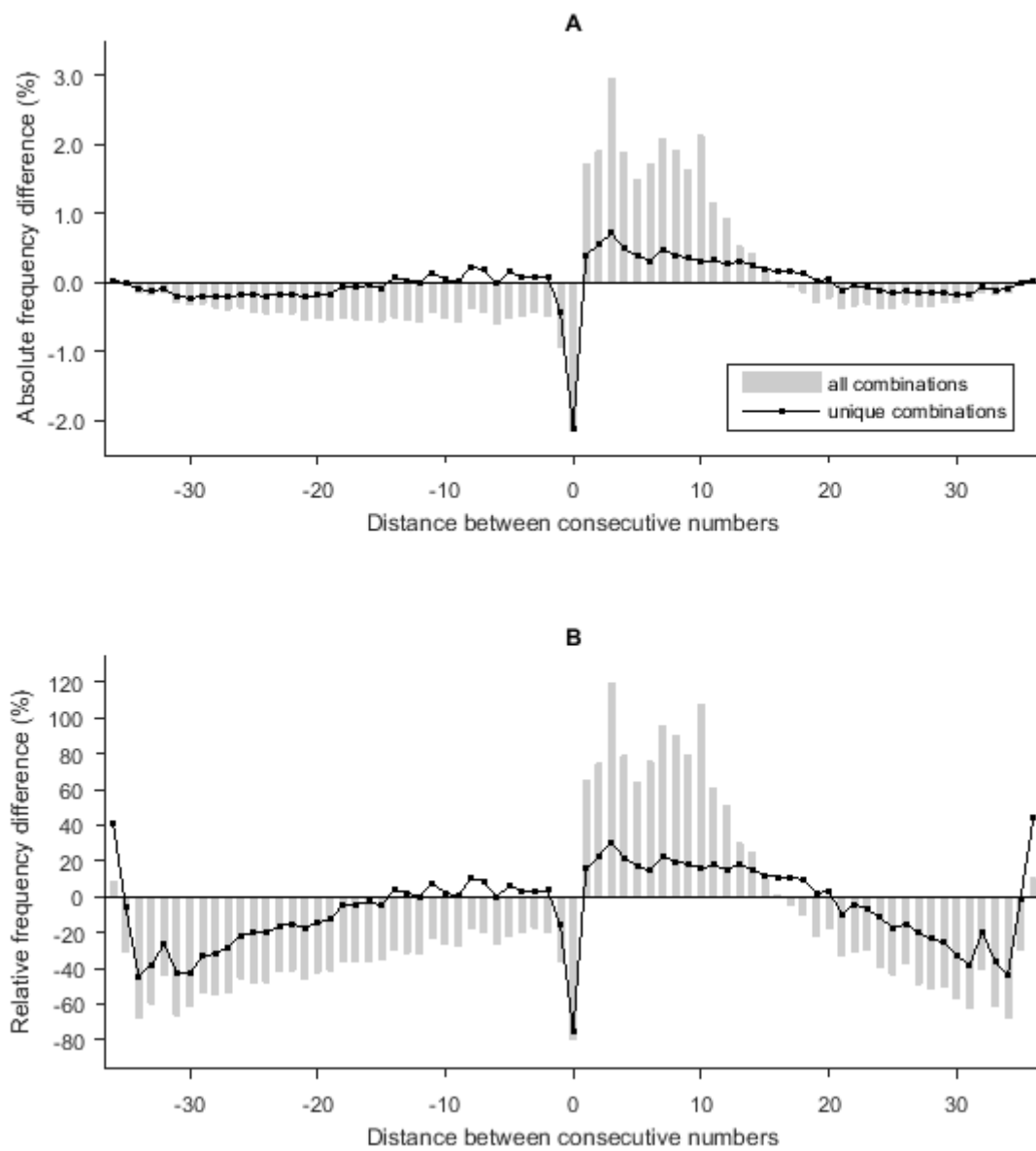


Figure S9: Theoretical spacing distribution in the casino game (with sorting).

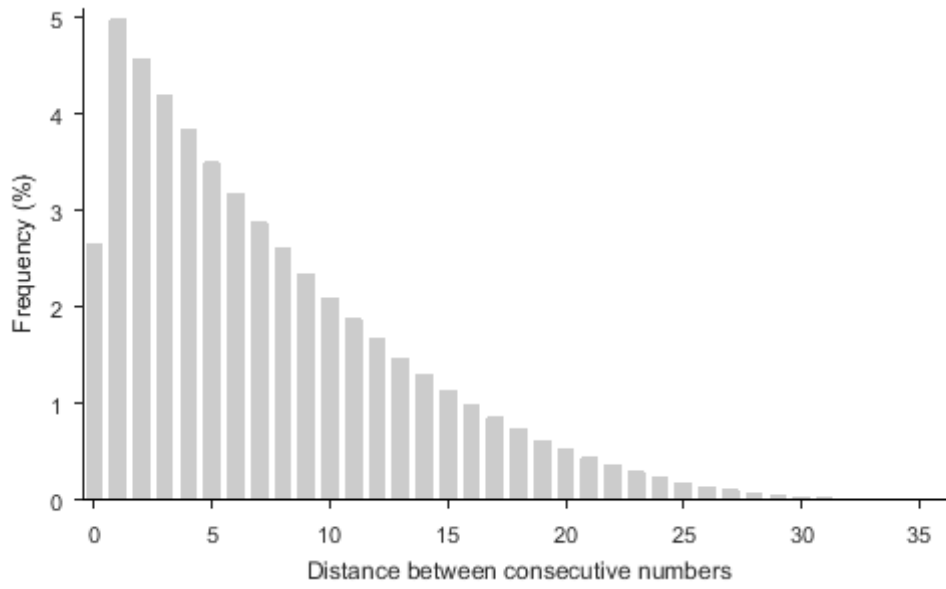


Figure S10: Difference between the empirical and theoretical spacing distribution in the Lotto game with weighted observations.

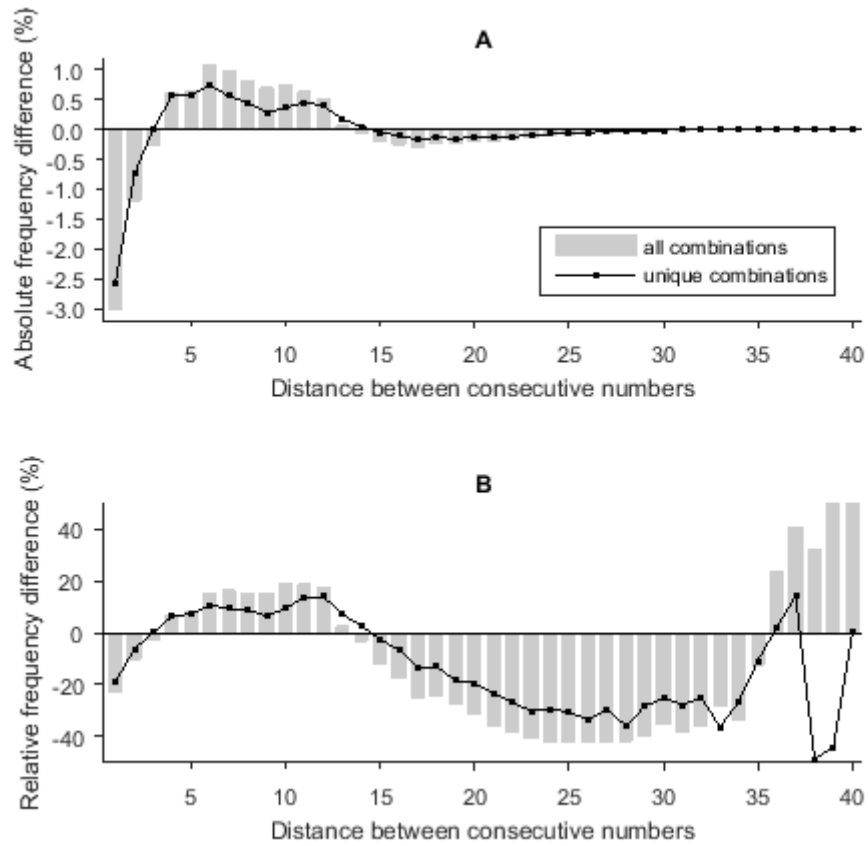


Figure S11: Difference between the empirical and theoretical spacing distribution in the casino game with weighted observations (with sorting).

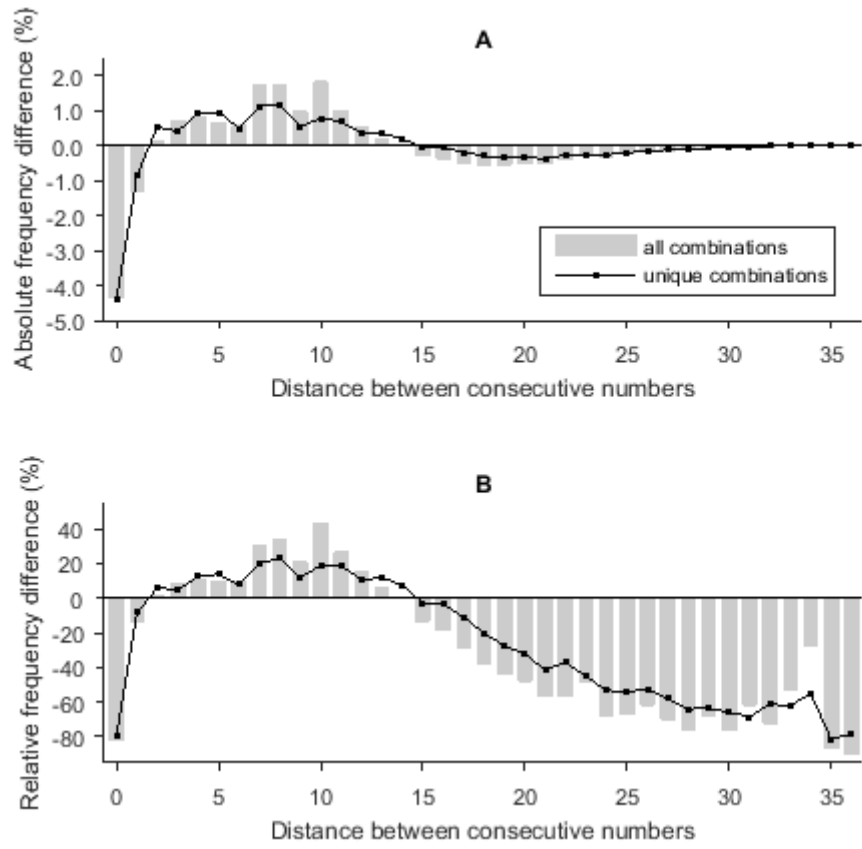


Table S1: Prizes and probabilities in the Lotto game.

Number of matches	Prize	Probability
6 numbers + jackpot color	jackpot	2.05×10^{-8}
6 numbers	€1,000,000	1.02×10^{-7}
5 numbers + jackpot color	€100,000	4.79×10^{-6}
5 numbers	€1,000	2.39×10^{-5}
4 numbers + jackpot color	€50	2.27×10^{-4}
4 numbers	€20	0.0011
3 numbers + jackpot color	€7.50	0.0037
3 numbers	€5	0.0187
2 numbers	free play	0.1515