The Bright Side of
Mathematics

Probability Theory — Part 1

(Stochastic, stochastic processes, statistics,…)

| Probability measures | Random variables | Central limit theorem |

| Probability distributions | Random processes | Statistical tests |

Example:

Probability of getting an even number?

$$A = \{2, 4, 6\} \ , \ P(A) = \frac{1}{2}$$

$$\frac{\text{number of throws with an even outcome}}{\text{number of total throws}} \longrightarrow \frac{1}{2}$$