

Language of probability

Ways we express degree of uncertainty:

"a 60% chance" $\frac{60}{100} = 0.6$

(A)

"a 3 in 5 chance" $\frac{3}{5} = 0.6$

"3 to 2 odds" $\frac{3}{3+2} = 0.6$

"a probability of 0.6" $\frac{0.6}{1} = \frac{6}{10} = \frac{60}{100}$
↑

$0.0 = \frac{0}{100}$

$\frac{100}{100} = 1.0$

$[0.0, 1.0]$

the probability of A: $p(A) = 0.6$

" " " " not happening: $p(\bar{A}) = 0.4$

$p(A) + p(\bar{A}) = 1.0$