

Lecture 1

Wednesday, September 4, 2024 12:13 AM

Structure of the course:

Chapter 3: percentage, fractions, decimal numbers, rounding

Chapter 4: math in finance

Chapter 1: logics

Chapter 5: statistics

Chapter 6: applications of statistics

Chapter 7: probability

Percentage : $27\% = 27 \text{ per cent} = \frac{27}{100} = 0.27$

$$1.3\% = \frac{1.3}{100} = 0.013$$

$$7.3576 = 7.3576 \times 100\% = 735.76\%$$

$$0.0012 = 0.0012 \times 100\% = 0.12\%$$

percentage
↕
decimal-point
numbers

$$1.3\% = \frac{1.3}{100} = \frac{13}{1000}$$

$$2.4\% = \frac{24}{100} = \frac{24}{1000} = \frac{6}{250} = \frac{3}{125}$$

percentage
↕
fractions

$$0.5555\dots = x$$

$$10x = 5.5555\dots = 5 + x \rightarrow 9x = 5 \rightarrow x = \frac{5}{9}$$