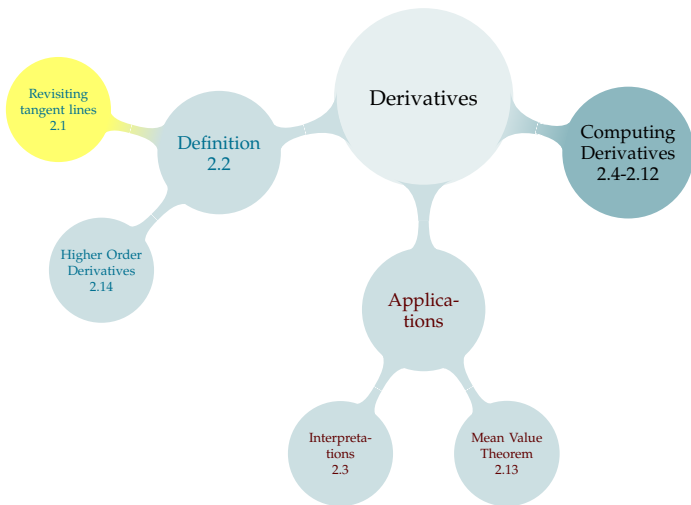


TABLE OF CONTENTS



SLOPE OF SECANT AND TANGENT LINE

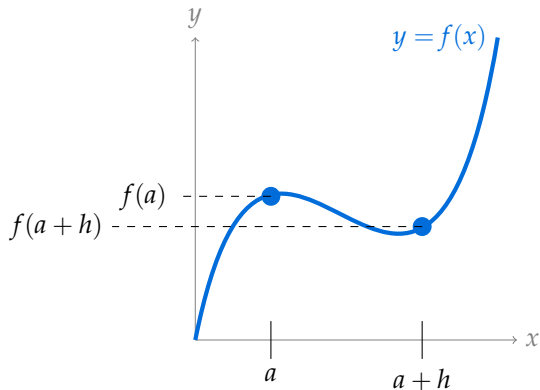
Slope

Recall, the slope of a line is given by any of the following:

$$\frac{\text{rise}}{\text{run}}$$

$$\frac{\Delta y}{\Delta x}$$

$$\frac{y_2 - y_1}{x_2 - x_1}$$



Slope of secant line: $\frac{f(a+h)-f(a)}{h}$

Slope of tangent line: $\lim_{h \rightarrow 0} \frac{f(a+h)-f(a)}{h}$