

Derivatives & Rates of Change

Month 1: Fundamentals of AI/ML & Math | Week 3: Math: Calculus
| Day 1

Theory & Concepts

Visual Intuition: Watch 3Blue1Brown's Essence of Calculus. Concept: Derivative is just the SLOPE of the graph at a specific point (how sensitive the output is to simple input changes).

Practice Exercises

Manual: Calculate derivative of $y = x^2$ and $y = 3x + 2$. Relate it to 'slope'.

Estimated Time: 2h

Completed: []

Notes:
