

# Activation Functions

Month 3: Deep Learning Basics | Week 9: Neural Networks  
Foundations | Day 2

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## Theory & Concepts

**Read:** Activation Functions Explained (10 min). Understand: Why we need non-linearity (ReLU vs Sigmoid).

## Practice Exercises

**Python:** Plot `sigmoid(x)`, `tanh(x)`, and `relu(x)` using simple matplotlib.

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Estimated Time: 2h

Completed: [ ]

*Notes:*

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