

# Python for ML Refresher (NumPy)

Month 1: Fundamentals of AI/ML & Math | Week 1: Overview & Environment | Day 2

---

## Theory & Concepts

**Focus:** NumPy is the engine of ML. Watch NumPy Crash Course (FreeCodeCamp).

Fundamental concept: **Broadcasting** and **Vectorization** (avoiding loops).

## Practice Exercises

**Exercise:** Create a random 10x10 matrix. Find the mean, stdev, and transpose it without using loops.

---

Estimated Time: 2h

Completed: [ ]

*Notes:*

---

---

---

---

---

---