

EduGPT Benchmark Summary

This report summarizes the benchmark results for EduGPT across four evaluation tests: 1. Test 1 – Basic Functionality 2. Test 2 – Generation Time 3. Test 3 – Accuracy 4. Test 4 – Usability and Interface Speed

Course	Gen Time (s)	Accuracy (%)	Usability (%)	Interface Speed (s/100 chars)
Intro to Machine Learning	37.87	93	78.91	0.713
Deep Learning Fundamentals	113.48	50	99.4	0.571
Data Science with Python	44.34	59	94.22	0.441
Computer Vision	57.09	70	99.64	0.49
Natural Language Processing	78.64	50	83.07	0.435

Summary Analysis

- **Fastest Generation:** Intro to Machine Learning (37.87s)
- **Slowest Generation:** Deep Learning Fundamentals (113.48s)
- **Highest Accuracy:** Intro to Machine Learning (93%)
- **Most Usable:** Computer Vision (99.64%)
- **Fastest Interface:** Natural Language Processing (0.435s/100 chars)

****Average Metrics****

- Generation Time: 66.68s
- Accuracy: 64.4%
- Usability: 91.85%
- Interface Speed: 0.53s/100 chars

Highlights

- Best Overall Balance: Data Science with Python
- Most Accurate Course: Intro to Machine Learning
- Most Usable Interface: Computer Vision
- Fastest Response: NLP