Introduction to Generative AI: A Beginner's Guide

Workshop Handout

Introduction

This workshop provided an overview of Artificial Intelligence (AI) and Generative AI, focusing on how these technologies are transforming the digital landscape. Designed for beginners, the workshop aimed to demystify AI and introduce the fundamental concepts and applications of Generative AI.

Courses and Learning Paths

Google Cloud Skills Boost Courses

1. **Introduction to Image Generation**: [Link]
2. **Introduction to Large Language Models**: [Link]
3. **Google Learning Paths**: Explore various courses on AI and machine learning. [Link]

FreeCodeCamp Machine Learning Resources

- **Learn Machine Learning and Neural Networks without Frameworks**: [Article]
- **Intro to Generative AI – 10 Free Courses by Google**: [Courses]

Platforms and Tools

1. **Banana**: [Website]
2. **Hugging Face**: [Website]
3. **The Illustrated Stable Diffusion**: [Guide]
4. **Official ColabGuide**: [Colab Notebook]
5. **Cristina's Colab Guide**: [Colab Notebook]
6. [Cristina's Slides]
7. **Build your own AI Avatar generator with Stable Diffusion**: [Guide]

Videos

1. **Stable Diffusion - What, Why, How?**: [Watch Video]
2. **Lesson 9: Deep Learning Foundations to Stable Diffusion, 2022**: [Watch Video]

Research Papers

- **High-Resolution Image Synthesis with Latent Diffusion Models**: An insightful paper on the technology behind Stable Diffusion. [Read Paper]