Welcome

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Today

– Introduce the course and project goals. – Set up the development environment. • Activities: – Overview of the weather dashboard project. – Install Python, Jupyter, and necessary libraries. – Basic Git commands: clone, commit, push.

Introduction to the Course

- Welcome and course overview
- Introduction to the WeatherVista project

Demo of Completed WeatherVista Dashboard (20 minutes) ▪ Show the completed dashboard

- Highlight key features and functionalities

Setting Up Development Environment (30 minutes)

- Walkthrough installation of Python, Jupyter, and necessary libraries
- Set up GitHub/GitLab repository

Introduction to Git

- Basic Git commands: clone, commit, push
- Demonstrate cloning the project repository

Creating Project Directory Structure (20 minutes)

- Create directories for data, scripts, notebooks, and tests
- Brief explanation of the purpose of each directory

Breakout Room Activity

- Students work in small groups to set up their project structure
- Instructors available for assistance

Q&A and Wrap-Up

- Address any questions about setup and project structure
- Homework: Research the OpenWeatherMap API and sign up for an API key