**DSCI560 Lab1 Report**

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<https://github.com/paracosmgracee/usc-ds560-25sp/tree/main/lab1>

**1. Installation and Setup**

1.1. Install VMware

A screenshot of a computer

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Shows the VMware installation screen, indicating the setup process for the virtual machine.

1.2. Download Ubuntu ISO Image

A screenshot of a computer

Description automatically generated

Displays the Ubuntu ISO image download page, highlighting the steps to acquire the necessary operating system.

1.3. Install Python on Linux

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Description automatically generated

Shows the Linux terminal with commands to install Python 3 and verify the version.

**2. Get Familiar with Linux and Python**

2.1. Playing around with Linux Terminal

A screenshot of a computer

Description automatically generated

Depicts the Linux terminal, where the student has created a directory, subdirectories, and a Python file.

2.2. A basic Python Script

A computer screen with green text

Description automatically generated

Shows the Python script that prompts the user for their name and outputs a greeting.

A black screen with white text

Description automatically generated

Displays the terminal output of the Python script running.

2.3. Python Web-scraping Task

A screen shot of a computer

Description automatically generated

Indicates the Python script being written to perform web scraping from the CNBC website.

2.4. Data Filtering Task

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A screenshot of a computer screen

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Shows the terminal output (market\_data.csv and news\_data.csv) when running the data filtering script.