

# Linear Slope Plot

Brayhan Alberto Vargas Quintero

[brayhan.vargas@mail.escuelaing.edu.co](mailto:brayhan.vargas@mail.escuelaing.edu.co)

July 2022

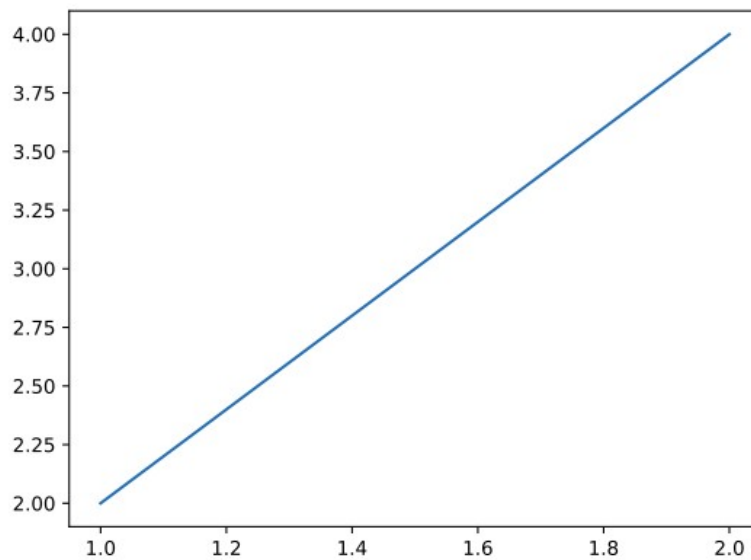


Figure 1. Linear Slope Plot

## Description

This method calculates the equation of a line given two points  $p1(x1, y1)$ ,  $p2(x2, y2)$ , graphs it and generates a pdf file with the graph.

## Parameters

x	y
1	2
2	4

Figure 2. Values

In Figure 2 we see the format of the csv that we must load, where **p1** is (1, 2) and **p2** is (2, 4).

## Result

Visualization in pdf format, example in figure 1.

## Implementation

The libraries used for the implementation were **Flask** as a python framework, **pandas** for reading the csv file and **matplotlib** for plotting.

**OS** and **datetime** were also used, for interacting with the operating system and date handling.