Getting Started with Data Analysis Using Python

COURSE INTRODUCTION

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SOFTWARE DEVELOPER

Who?

Developer - New to Data Analysis

Excel Expert – New to Programming

45.34
17.34
34.89
16.45
23.67
34.64
43.69
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+5.34%
-7.89%
+5.97%
+2.13%
+6.43%
-11.6%
+23.1%
+5.56%
-3.67%
+11.3%
543.23
254.23
100.00
564.23
765.90
893.23
128.98
765.23
432.24
120,000
320,000
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600,000
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320,000
150,000
120,000

Course Overview

What is Data Analysis?

- Collect Data
- Clean Data
- Persist Data
- Analyze Data
- Visualize Data

Data Structures

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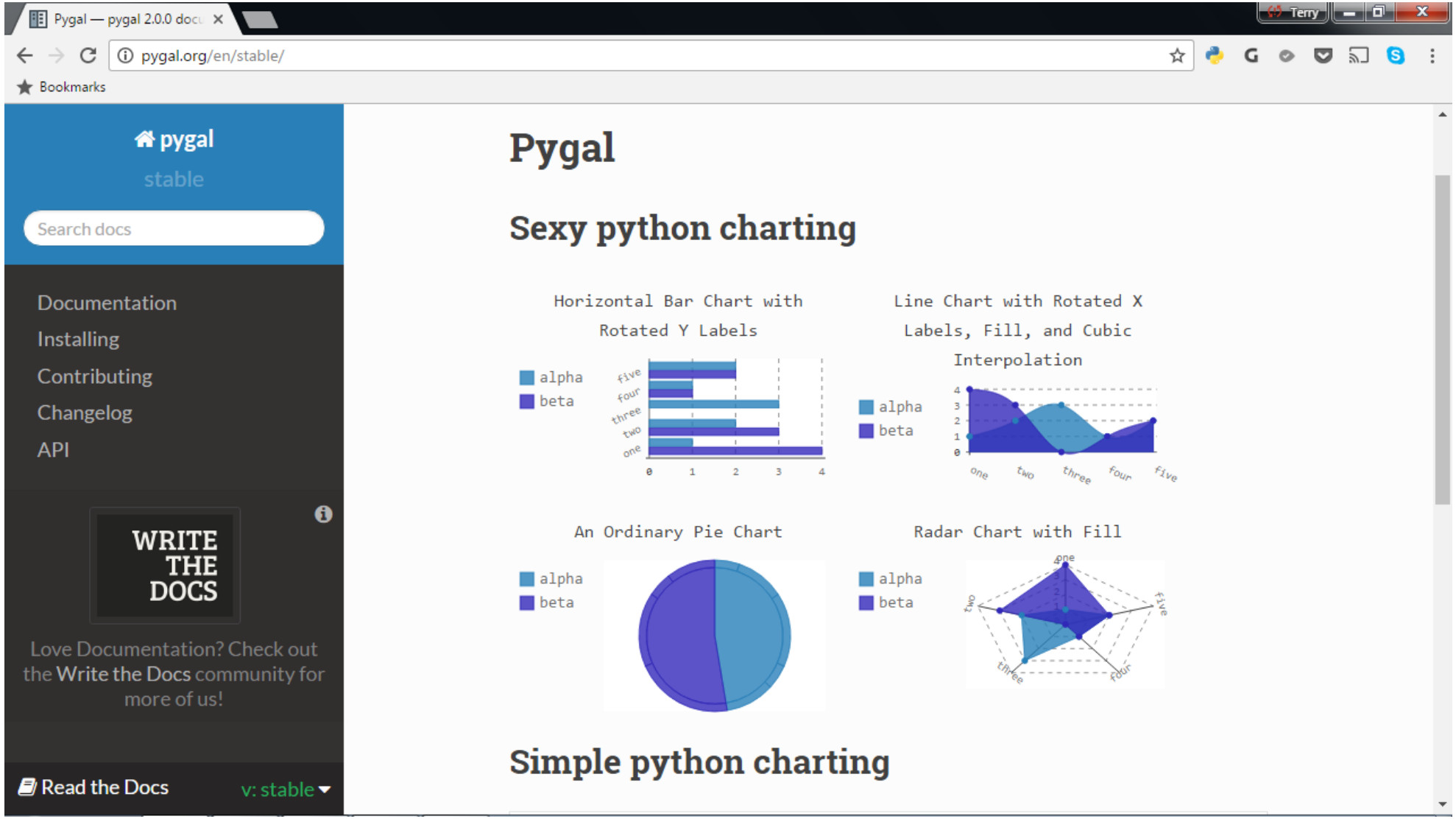
set( )

Pygal.org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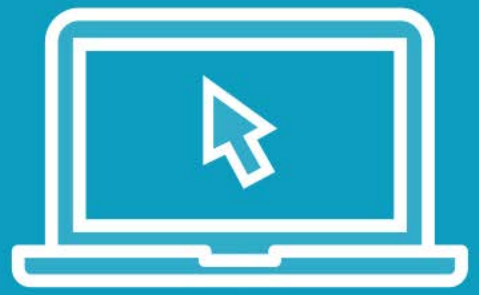
v: stable
Pygal
Sexy python charting
Horizontal Bar Chart with Rotated Y Labels
Line Chart with Rotated X Labels, Fill, and Cubic Interpolation
An Ordinary Pie Chart
Radar Chart with Fill
alpha
beta
one
two
three
four
five
Simple python charting

Demo



Install

- Python

Command Line / Terminal

- cd
- mkdir
- idle
- run script

Getting Started

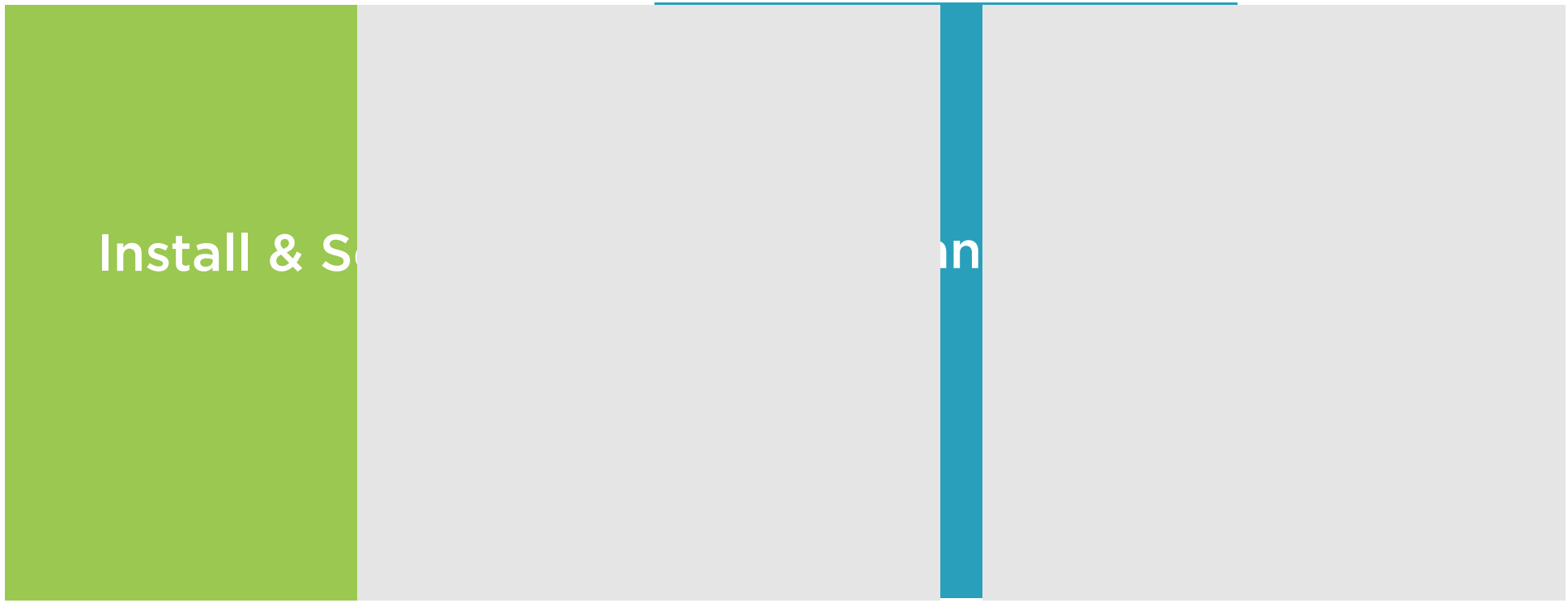
Course Overview

Install & Set Up

Command Line

Demo

Demo



Summary

Data Analysis with Python

- Who?
- Download and Install Python
- Command Line / Terminal
- Stock Market Data
- Data Structures
- Pygal.org