Cheatography

Data Analytics Cheat Sheet

by swiftx via cheatography.com/136210/cs/28395/

Useful Imports

Importing Pandas	import pandas as pd
Importing Matplot	import matplotlib.pyplot as plt
For Checking Data Type	from pandas.api.types import is_numeric_dtype
Plotting Parallel Coordinates	from pandas.plotting import parallel_coordinates

Column Data Type Manipulation

Changing All Columns	data.astype('int64').dtypes
Changing Selected Column	data.astype({'col1': 'int64'}).dtypes

Basic Stuff

Reading CSV	data = pd.read_csv('changeme.csv', header=None)
Assigning Column Names	data.columns = ['column1', 'column2', 'class']
Checking Column Data Type	data.dtypes
Listing the Dataset	data

Plotting

Line Graph	plt.plot(data.x, data.y, 'o')
Boxplot	data.boxplot(column=['col1', 'col2', 'col3']
Histogram	data['col1'].hist(bins=20)
Parallel Coordinates	parallel_coordinates(nutrient_csv, 'ClassCol', cols = ['col1', 'col2'])

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