

JFSS Data Science Club

Meeting #6



HANGMAN!

P A N D A S

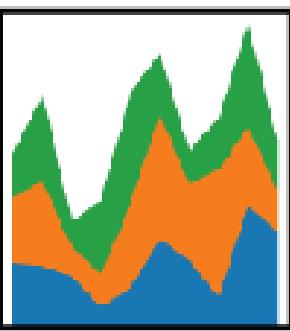
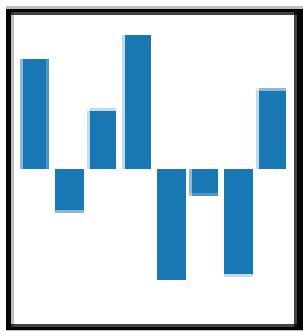


HANGMAN!



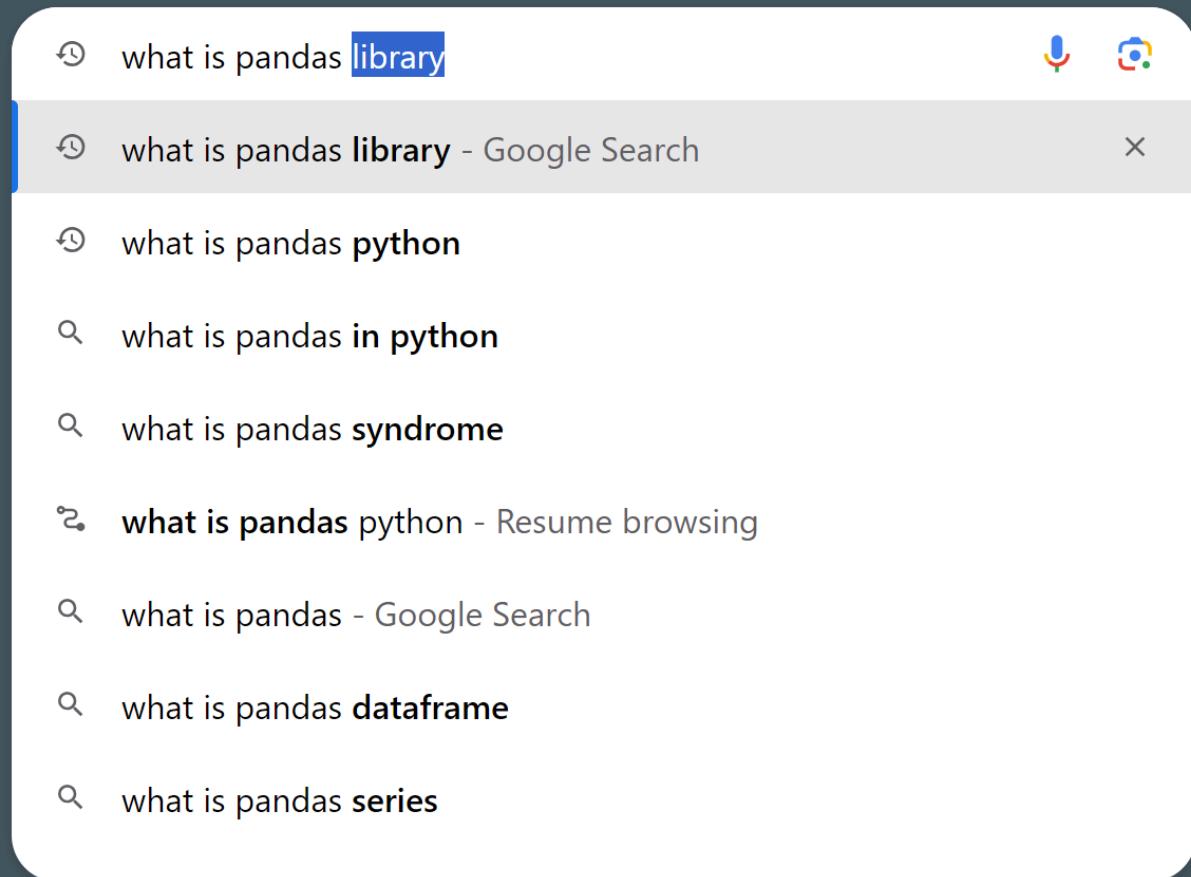
pandas

$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



| | BandName | WavelengthMax | WavelengthMin |
|---|---------------------|---------------|---------------|
| 0 | CoastalAerosol | 450 | 430 |
| 1 | Blue | 510 | 450 |
| 2 | Green | 590 | 530 |
| 3 | Red | 670 | 640 |
| 4 | NearInfrared | 880 | 850 |
| 5 | ShortWaveInfrared_1 | 1650 | 1570 |
| 6 | ShortWaveInfrared_2 | 2290 | 2110 |
| 7 | Cirrus | 1380 | 1360 |

Google



“Pandas is an open source Python package that is most widely used for data science/data analysis and machine learning tasks. It is built on top of another package named Numpy, which provides support for multi-dimensional arrays” (ActiveState)

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OPEN-SOURCE: Open source software is source code that anyone can inspect, modify, and enhance.

Python Package: Similar to Python Libraries



Data Analysis: the process of cleaning, changing, and processing raw data and extracting actionable, relevant information that helps businesses make informed decisions.

Numpy: a Python Library
that is used to manipulate
complex arrays and lists.

Advantages of Pandas for data analysis you should know



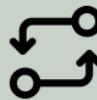
Easy to use



Efficient data
structure



Powerful tools



Simple data
merging



Pandas can cope
with missing values



Simple column
and row
operations



You can use Pandas
(with Python) in
several domains



You can use
Pandas with other
libraries



Easier data
munging



Data is
flexible



Employees can
complete plenty of
work with less code



TestGorilla





FUN FACT ABOUT PANDA





DID YOU KNOW...

THEY SPEND
A LOT OF
THEIR DAY
EATING



kaggle.com



FUN FACT ABOUT PANDA



kaggle

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Welcome, DSC Club!

Kaggle is the place to learn data science and build a portfolio.

1

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to Contributor

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