2022

29 Saturday January — Task 11 — ٢٩ السبت يناير — ٢٦ جماد آخر ١٤٤٣ هـ

Quick introduction To Jupeter Notebook ٢١ طوبة ١٧٣٨ ق — jupyter

08:00

* Programming in the browser
09:00
* Code, instructions and output are displayed "in-line"
* Useful for writing code that tells a story
10:00
* Used by scientists and researchers
in cmd
11:00
→ jupyter-notebook .ipynb الامتداد
* There are jupyter kernels for many other programming languages
12:00
like R, Java and Scala.
ex name = input(...) → print("Hi", name) shift + Enter
01:00
* → mean running * Escape + L → Command (L)

02:00

Pandas professional

* Pandas | v1
03:00
- Powerful for data analysis Toolkit
→ import pandas as pd
04:00
groceries = pd.Series(data=[30, bikes, Nil], index=[eggs, apple, milk, bread])
groceries
05:00
out: eggs 30 ; milk Yes ; dtype: object
apple 6 ; bread Nil
06:00
→ groceries.shape ; groceries.ndim ; groceries.size
out: (4,) ; => 1 ; 4
07:00
=> gr.index ; gr.values
out: Index[eggs, apple, milk, bread], dtype='object' ; array([30, 6, nan, nan], dtype=object)
08:00
=> 'bread' in groceries
out: True

Scanned with CamScanner

Pandas 2 V1

=> grocery['eggs'] ; grocery[['milk', bread']]
answer 30 [0] | milk yes | bread No ; clean tables
No ⇐ [-1] [0:1] => 30, 6

=> gr.loc[['eggs', appl.]] => 30
gr.iloc[[2,3]] 6

=> gr.drop['apple'] => To delete for this line only
, inplace=True] delete from all

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pandas 3 V1
for + - * / [2]
we can also import numpy

Pandas 4 V1
items = {'Bob': pd.series(..., index=...)}
'Alic' pd.se...
Type = dict

pd.DataFrame Alic Bob
NaN => not found
0 bik
1 bar

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pd.read_csv('../c.csv') To read file
Type = pandas.core.frame.DataFrame