

## 3\_pandas\_series

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In [ ]: from pandas import Series, DataFrame
import pandas as pd
import numpy as np

In [ ]: list_data = [1,2,3,4,5]
example_obj = Series(data = list_data)
example_obj

In [ ]: list_data = [1,2,3,4,5]
list_name = ["a","b","c","d","e"]
example_obj = Series(data = list_data, index=list_name)
example_obj

In [ ]: example_obj.index

In [ ]: example_obj.values

In [ ]: type(example_obj.values)

In [ ]: dict_data = {"a":1, "b":2, "c":3, "d":4, "e":5}
example_obj = Series(dict_data, dtype=np.float32, name="example_data")
example_obj

In [ ]: example_obj["a"]

In [ ]: example_obj["a"] = 3.2
example_obj

In [ ]: example_obj[example_obj > 2]

In [ ]: example_obj * 2

In [ ]: np.exp(example_obj) #np.abs , np.log

In [ ]: "b" in example_obj

In [ ]: "s" in example_obj

In [ ]: example_obj.to_dict()
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In [ ]: example_obj.values

In [ ]: example_obj.index

In [ ]: example_obj.name = "number"
        example_obj.index.name = "alphabet"
        example_obj

In [ ]: dict_data_1 = {"a":1, "b":2, "c":3, "d":4, "e":5}
        indexes = ["a","b","c","d","e","f","g","h"]
        series_obj_1 = Series(dict_data_1, index=indexes)
        series_obj_1

In [ ]:

In [ ]:
```