



Data types in Python

Data types in Python

☐ Numeric Integer (int)

- 12
- -25
- 10500

☐ Numeric real (float)

- 225
- 3.1416

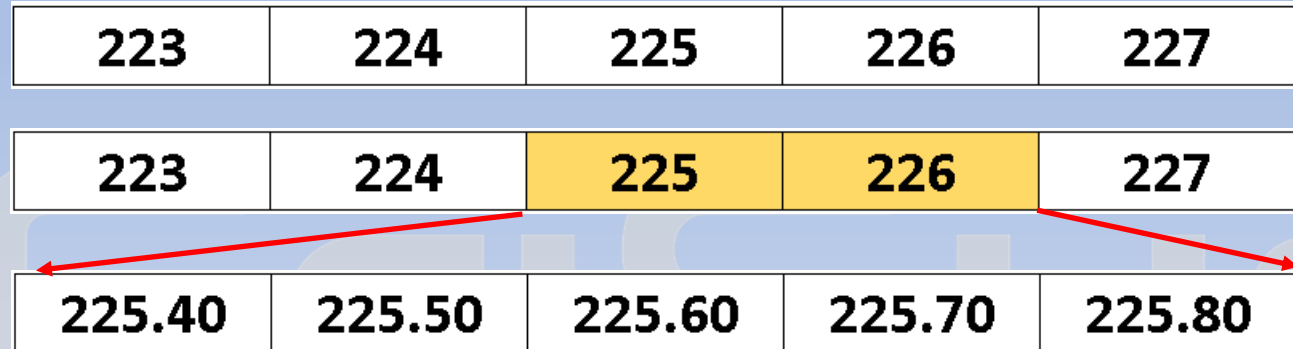
☐ Boolean (bool)

- 0 -> False
- 1 -> True

☐ String (str)

- "Today is a special day"
- "Hello world !!"
- '2'

223	224	225	226	227
223	224	225	226	227
225.40	225.50	225.60	225.70	225.80



Data types in Python

❑ Lists

- `[1, 2, 3, 4]`
- `[1, 2, 3, 'a', 'b', 'c']`

❑ Tuples

- `(1, 2, 3)`
- `(1, 2, 3, 'a', 'b', 'c')`

❑ Sets

- `{1, 1, 2, 2, 3, 3} = {1, 2, 3}`

❑ Dictionaries

- `{0 : "Men", 1: "Women"}`

↑ ↑
key value

Data types in Python

□ Data frame

Rows are
samples

Columns are variables or features

CustomerID	Type	Payments	Purchases	Sales	Refund	Country	Continent
10000	Person	Cash	120,000	150,000	240	Canada	America
10001	Company	Cash	521,400	651,750	1,043	Japón	Asia
10002	Company	Credit Card	451,000	563,750	902	Mexico	America
10003	Company	Transference	565,000	706,250	1,130	España	Europe
10004	Person	Transference	512,300	640,375	1,024	Argentina	America
10005	Person	Transference	415,500	519,375	0	Canada	America
10006	Company	Credit Card	696,300	870,375	1,392	EEUU	America
10007	Person	Cash	741,000	926,250	1,482	Chile	America
10008	Company	Cash	541,000	676,250	1,082	EEUU	America
10009	Company	Cash	83,000	103,750	166	EEUU	America
10010	Company	Cash	454,100	567,925	910	EEUU	America
10011	Person	Transference	520,033	650,041	1,041	EEUU	America
10012	Person	Credit Card	452,000	565,000	904	Canada	America
10013	Person	Transference	352,000	440,000	704	Alemania	Europe
10014	Company	Transference	241,010	301,262	480	EEUU	America
10015	Company	Credit Card	560,122	700,152	1,120	Mexico	America