

# The Pandas Bootcamp

master your data.

## Tabular Data (Pandas DataFrame)

				Column			
		Nationality	Club	World_Champion	Height	Goals_2018	
	Player					Eleme	ent / Value / Entry
	Lionel Messi	Argentina	FC Barcelona	False	1.70	45	
Row	Cristiano Ronaldo	Portugal	Juventus FC	False	1.87	44	
	Neymar Junior	Brasil	Paris SG	False	1.75	28	
	Kylian Mbappe	France	Paris SG	True	1.78	21	
	Manuel Neuer	Germany	FC Bayern	True	1.93	0	

Subset / Slice

### Tabular Data (Pandas DataFrame)

#### 2 Axis



### Optimal Data Organization in DataFrames

Characteristics / Variables / Features (e.g. height) Nationality World\_Champion Height Goals\_2018 **Observations** Club (e.g. football players) Player Lionel Messi Argentina FC Barcelona False 1.70 45 Cristiano Ronaldo Portugal Juventus FC False 1.87 44 Brasil 28 **Neymar Junior** Paris SG False 1.75 Kylian Mbappe France Paris SG True 1.78 21 Manuel Neuer Germany FC Bayern True 1.93 0 string float string bool integer

optimal: one datatype per column!