

## Grouping data

→ `df.groupby (by = "col")`

→ `df.groupby (level = "ind")`

→ `shift(1) / (-1)`

→ `rank (method = 'dense')`

→ `rank (pct = true)`

→ `rank (method = 'first')`

→ `Cumsum()`

→ `Cummin()`

→ `Cumprod()`

## Data cleaning

`df.isnull().sum()`

`df.dropna() / fillna()`

`df.drop_duplicates()`

`df.replace()`

`df.astype()`

`pd.to_numeric()`



pd. to - datetime()