Pandas is a really good library for data science Pandas docs: https://pandas.pydata.org/docs/

Two main objects of pandas

- Data Frames
 - Col and row-orientated
 - Simplify everything
 - Can create it using a dictionary of lists
 - 2d
- Could you make it 3d/∞d?
- Series
 - ♣ Fancy list ♣
 - 1d

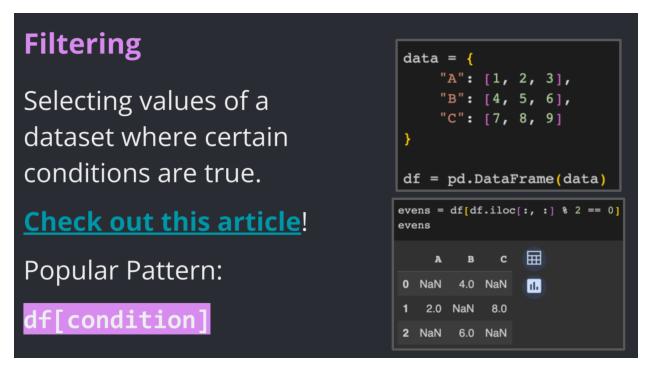
Indexing

- loc[]/at[]
 - Label based indexing
- iloc[]/iat[]
 - Numerical based indexing

Selection

```
Selection
                          data = {
                              "A": [1, 2, 3],
                              "B": [4, 5, 6],
The process of
                              "C": [7, 8, 9]
accessing a
subset of a
                          df = pd.DataFrame(data)
                          df.loc[0:1, ["A", "C"]]
dataframe. You
                       C→
                                   翩
can select
                             A C
                                              df.iloc[1:2, : ]
subsets using
                           0 1 7
                                   loc and iloc.
                           1 2 8
                                           C→
                                                           翩
                                               1 2 5 8
```

- Loc and iloc are different and have different inclusivity



https://builtin.com/data-science/pandas-filter

Pandas uses binary operators, |/&, instead of the python way or the normal programming language way, because why would things be standardized?

