Pandas - Python library for representing dataframes

eries: 1-Dimensional representations of data

Data frames: Basic concepts and manipulation of pandas 2-D data structures.

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Dataframes - More advanced data frame manipulation

Pandas Series: import pandas as pd

# Creating Series

```
series = pd.Series([100,43,26,17])
type(series)
```

## Series Properties

ndex - way to reference items in the series

type - Data type of the elements in the series.
↓
- int - integer (whole #) - bool : true/false values
- float - decimals - object: strings
- category - Fixed set of string values

name - Optional, human friendly name for series

.astype (Convert between data types)

```
N: string_series = pd.Series([3 .5 4.5 6]).astype('str')
   string_series
```

any - Check if any value is true (series < 0).any

all - Check if All values in the series are true (series >0).all()

head()/.tail() - Look at first and last several values in a series.

value_counts - gives count of unique values in a series

isin - Check if each value is in a set of values

apply() - Appy a function to a series