

C: Introduction to Pandas

Data structures so far:

Lists

Dictionaries

Tuples

Plus: combinations of them

Pandas module adds two powerful new ones:

- Series:

Used for 1-dimensional data

Roughly: super enhanced dictionary

Index ↓

AL	01
AK	02
AZ	04
AR	05
CA	06
...	...
WY	56

← *Data*

Index:

list of keys

Series itself:

list of values

- DataFrame:

Used for 2-dimensional data

Roughly: super enhanced dictionary of Series

	FIPS	PoP
AL	01	4.9
AK	02	0.7
AZ	04	6.9
AR	05	3.0
CA	06	39.1
...
WY	56	0.6

Index:
shared by all columns

Columns:
each is a Series

Show use by via **pandas-intro.py**

- Separate from g12 demo.py
- Will be posted under today's materials