C: Introduction to Pandas

Data structures so far:

    Lists
    Dictionaries
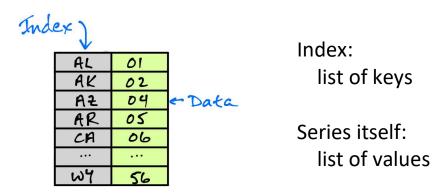   Tuples

    Plus: combinations of them

Pandas module adds two powerful new ones:

- **Series**:
  Used for 1-dimensional data
  Roughly: super-enhanced **dictionary**

Index:
    list of keys

Series itself:
    list of values

- **DataFrame**:
  Used for 2-dimensional data
  Roughly: super-enhanced **dictionary of Series**

Index → **Column names**

Index	FIPS	POP
AL	01	4.9
AK	02	0.7	← Data
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

Illustrate via g09 demo.py