

Elementary Statistical Analysis using Python (26-27 June 2019)

Arief Anbiya

June 26, 2019

Intro to Python, Making a Simple Hangman Game:

- Python scripting rules, object-oriented (everything are objects), some basic data types (basic objects: numbers and string), for-loop, while-loop, if-else (boolean-logic), mini intro to list as container.
- More about modules and data-structure objects are introduced parallel with statistics material

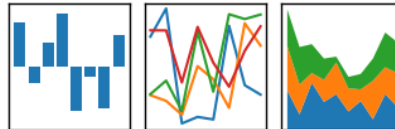
Probability & Statistics (with simulation in Python):

- Probability Concept
- Probability Distribution and Random Variables
- Working on real data
- The Normal Distribution and Central Limit Theorem
- The Bootstrap Algorithm

Intro to Python

Pandas:

pandas
 $y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$



Matplotlib:

