

The ABC of Computational Text Analysis

#9 Introduction to Python

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Recap last Lecture

- from words to embeddings
recontextualized word meaning
- data-driven NLP is both powerful and biased
- data is never raw but depends on many decisions

Outline

- enter the shiny world of Python 😎
development environment
basic syntax

Python

Python is ...

a programming language that is ...

- general-purpose
not specific to any domain
- interpreted
no compiling
- standard language in data science

Syntax

Variables

variables are kind of storage boxes

```
# define variables
x = "at your service"
y = 2
z = ", most of the time."

# combine variables
int_combo = y * y      # for numbers any mathematical operation
str_combo = x + z      # for text only concatenation with +

# show content of variable
print(str_combo)
```

Data Types

type is implicit (dynamic)



Questions?