Data Analysis using Python

Sustainable Communication Networks
University of Bremen

Course Objective and Requirements

- Hands-on driven course
- Material online available (GitHub)
- Go through examples
- Questions? Ask!

You should now have

- A computer with you
- Internet access
- Python installed
- (A text editor installed)

Material on GitHub:

github.com/ComNets-Bremen/Python-Class

Universität Bremen

comnets

```python
#!/usr/bin/env python3

"""
Hello World

Author, 2019, myaddress@uni-bremen.de
"""

print("Hello World") # Basic "Hello World" example
```

Listing 1: "Hello World" in Python

Indention / Blocks in Python

```python
#!/usr/bin/env python3

"""
Indention example
"""

myValue = True

if myValue:
    print("myValue is True")
else:
    print("myValue ist False")
```

Listing 2: Indention in Python

Ideas to try out

- Hello world example
- Print a square / triangle
- Enter name and gender to formulate a greeting
- Print prime numbers
- Try out the random number generators
- Create a simple phone book
- Plot a sine / cosine using matplotlib
- Read the data from the files directory and plot statistics
- . . .

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