

Natural Language Processing (Lab Session)

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```
In [1]: x=5  
print(x+1)
```

6

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print(x+1)
```

6

- Mondays 15:15 – 16:45
- Practical Session
- Implementation / Exploration of Linguistic Phenomena from the Lecture
- Gain intuition and insight into applications of theory

Contact: kahmann@informatik.uni-leipzig.de

Homework

- There will be homework, but non-mandatory
- Solutions next week
- Discussion

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Material

- Moodle
- Everything will be uploaded
- Mostly Jupyter-notebooks

Prerequisites

- Python
- Jupyter
- NLTK
- possibly conda/venv
- (Eventually maybe other modules like spacy?)

Links

- [venv](#)
- [conda - Getting Started](#)
- [jupyter notebook](#)
- [nlk - Install](#)

Install

conda:

```
conda create -n nlplecture python=3.8 jupyter nltk nbconvert  
conda activate nlplecture  
cd /your/favourite/directory  
jupyter notebook .
```

Presentation of Solutions

To be able to show your solutions of the programming tasks during the exercises we use a BigBlueButton server, through which you can share your screen. This can then be displayed to everyone via the beamer in the seminar room. Therefore, please log in to the following BBB server at the beginning of the seminar:

- <https://conf.fmi.uni-leipzig.de/b/chr-azv-9pz-onp>

To share your screen, click on the plus symbol at the bottom left and make yourself the presenter. After that you have the rights to share your screen.

NACHRICHTEN

Öffentlicher Chat

NOTIZEN

Geteilte Notizen

TEILNEHMER (2)

test (Ich)

Christian Kahmann

Übung linguistische Informatik SS22

Aufzeichnung starten

Zum Präsentator werden

NACHRICHTEN

Öffentlicher Chat

NOTIZEN

Geteilte Notizen

TEILNEHMER (2)

test (ich)

Christian Kahmann

Auswählen, was geteilt werden soll
conf.fmi.uni-leipzig.de möchte den Inhalt Ihres Bildschirms teilen.

Gesamter Bildschirm Fenster Chrome-Tab

Bildschirm 1 Bildschirm 2

Bildschirm 3

Abbrechen Teilen

Aufzeichnung starten

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🖱️

👤

Today

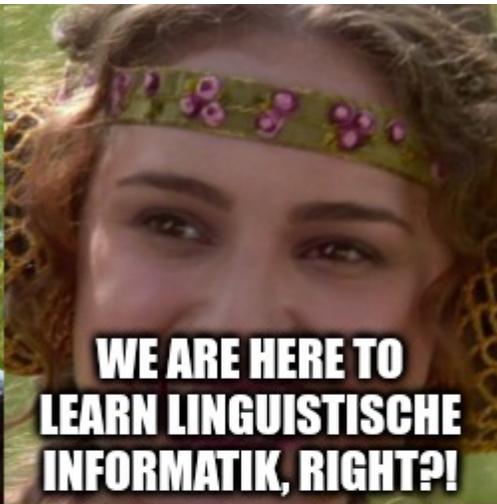
- Python-Crashcourse

Today

- Python-Crashcourse



**WELCOME TO THE
PYTHON INTRODUCTION**



**WE ARE HERE TO
LEARN LINGUISTISCHE
INFORMATIK, RIGHT?!**



imgflip.com



RIGHT?

Next Week

- NLTK
- Comparing Corpora
- Synthetic Text