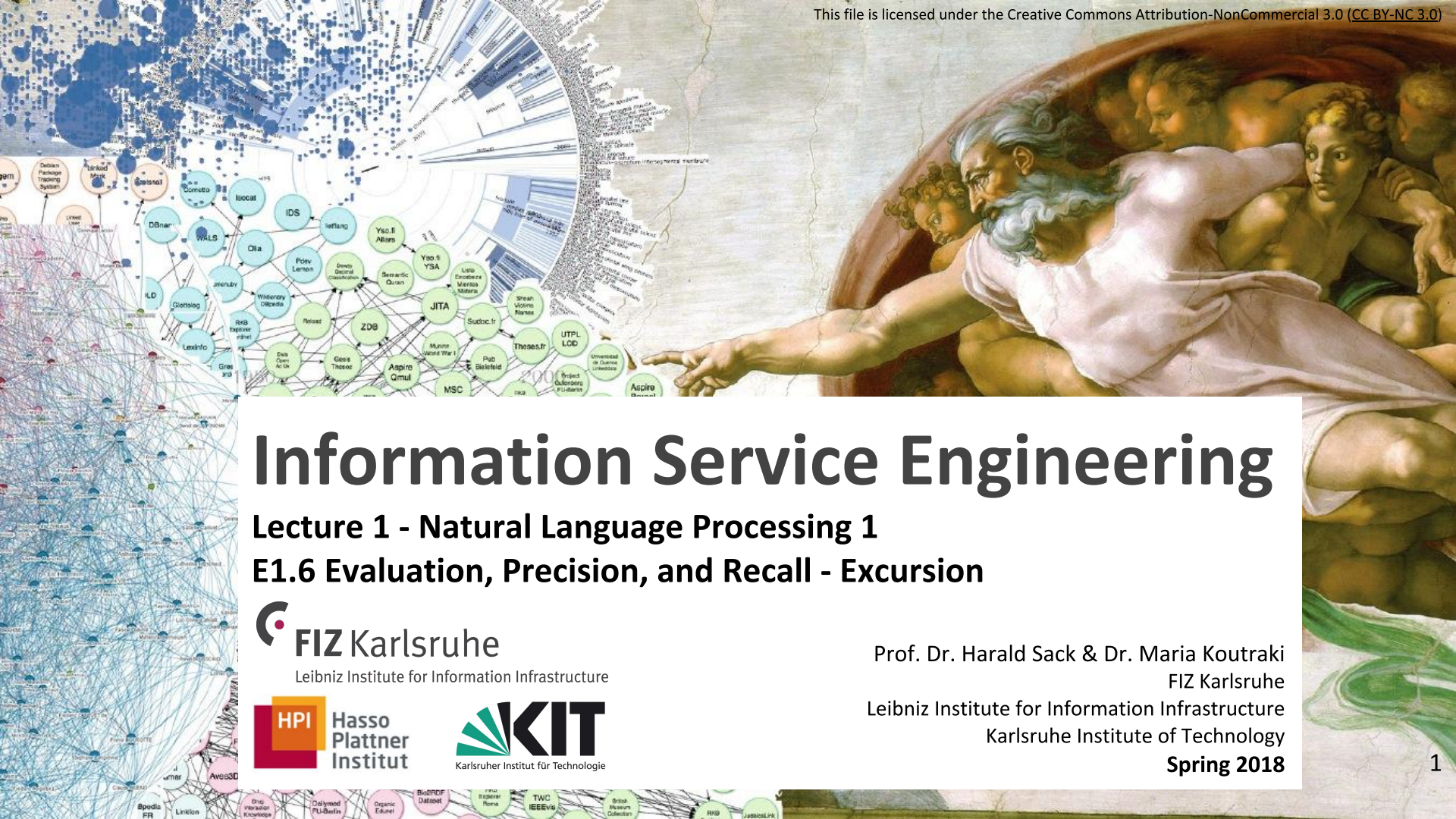




Information Service Engineering

Lecture 1 - Natural Language Processing 1

E1.6 Evaluation, Precision, and Recall - Excursion

 **FIZ Karlsruhe**

Leibniz Institute for Information Infrastructure

 **Hasso Plattner Institut**

 **KIT**
Karlsruher Institut für Technologie

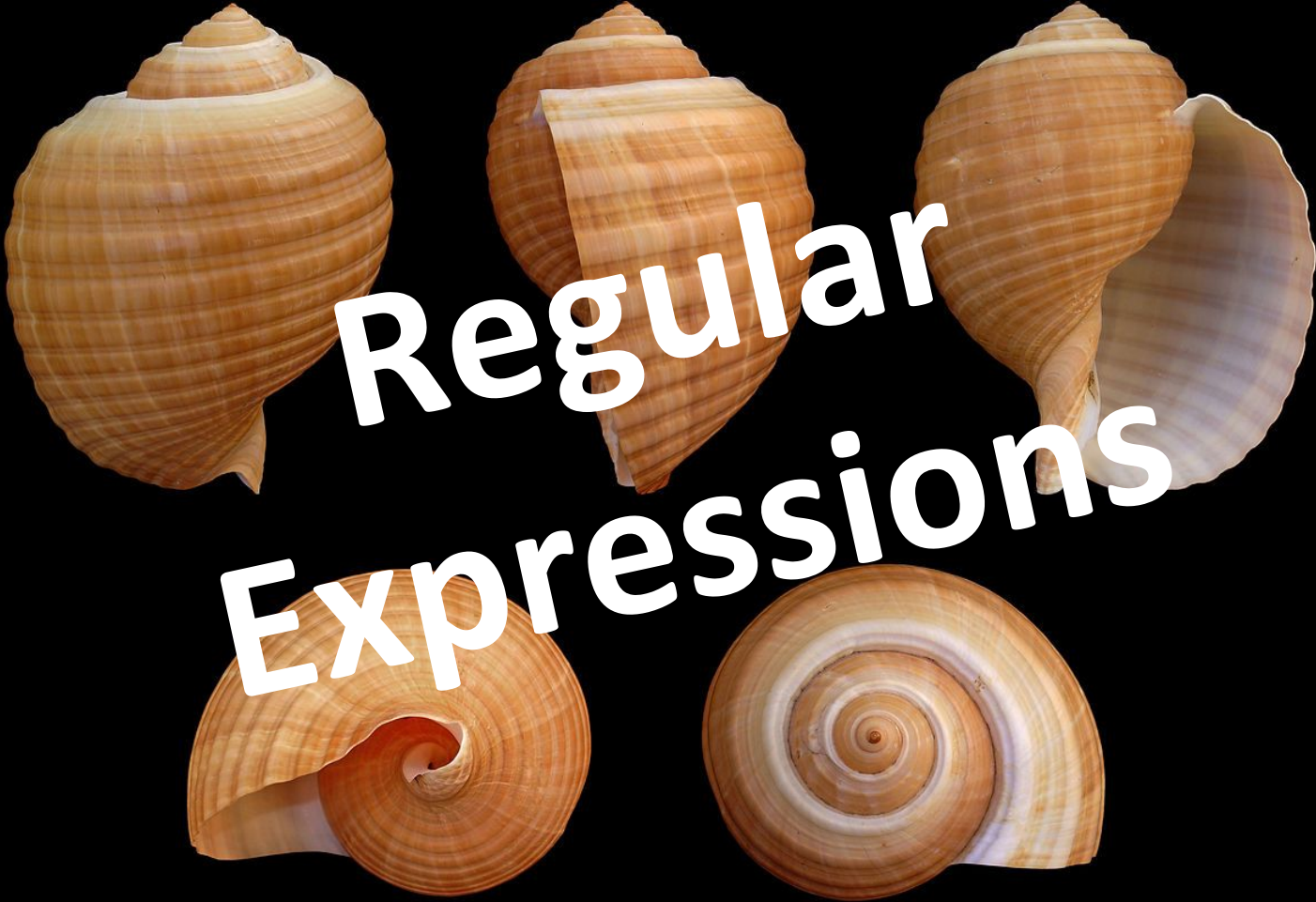
Prof. Dr. Harald Sack & Dr. Maria Koutraki
FIZ Karlsruhe

Leibniz Institute for Information Infrastructure
Karlsruhe Institute of Technology
Spring 2018

Experiments

Information Service Engineering - Lecture 1 Natural Language Processing - 1.6 Evaluation, Precision, and Recall

- **Download** the Beethovencorpus as csv file from <http://bit.ly/Beethovencorpus>
- Use **(Linux) shell commands** to run our two algorithms
 - `wc -l Beethovencorpus`
[determine the number of lines in file]
 - **Experiment 1**
`grep "Ludwig van Beethoven" Beethovencorpus | wc -l`
[search for full name in file and count result lines]
 - **Experiment 2**
`grep Beethoven Beethovencorpus | wc -l`
[search for full name in file and count result lines]



Regular Expressions

Next Lecture...

Picture References:

- P.2: Ludwig van Beethoven, Portrait by Joseph Karl Stieler (1820), <https://commons.wikimedia.org/wiki/File:Beethoven.jpg>
- P.3: Tonna galea, Tonnidae, Giant Tun, length 14 cm, https://commons.wikimedia.org/wiki/File:Tonna_galea_02.jpg