

Colloquium

November 22, 2023

1 Colloquium Talks

I have prepared two text files that contain your names and links to your Nature paper. Using list comprehension, we can create two lists of strings for them:

```
[ ]: names = [line.rstrip('\n') for line in open("names.txt")]
papers = [line.rstrip('\n') for line in open("papers.txt")]
```

To qualify for a talk, you need to pass the PVL which requires you to hand in solutions for all problem sheets:

```
[ ]: names.sort()
print("Registered students:")
for name in names:
    print("- "+name)
```

Registered students:

- Anatolie
- Chidolue
- Felopateer
- Igor
- Jan-Philipp
- Jose Luis
- Kieran
- Lasse
- Mostafa
- Ogalagu
- Paola Andrea
- Sahar
- Simon
- Thishan

The Nature papers cover a broad range of cutting-edge deep learning applications. While Nature papers tend to be more concise and easier to read than specialized journals, certain parts or paragraphs may still be hard to digest. Don't worry: I'm aware of that.

```
[ ]: print("Available talks:")
for paper in papers:
    print("- "+paper)
```

Available talks:

- <https://www.nature.com/articles/s41598-023-45644-9>
- <https://www.nature.com/articles/s41586-023-06647-8>
- <https://www.nature.com/articles/s41586-023-06668-3>
- <https://www.nature.com/articles/s41586-023-06185-3>
- <https://www.nature.com/articles/s41598-023-33384-9>
- <https://www.nature.com/articles/s41467-022-32483-x>
- <https://www.nature.com/articles/s41586-022-05639-4>
- <https://www.nature.com/articles/s41586-022-05172-4>
- <https://www.nature.com/articles/s41598-023-46850-1>
- <https://www.nature.com/articles/s41586-022-04448-z>
- <https://www.nature.com/articles/s41586-023-06419-4>
- <https://www.nature.com/articles/s42256-023-00744-z>
- <https://www.nature.com/articles/s42256-023-00721-6>
- <https://www.nature.com/articles/s42256-021-00430-y>

Using the `shuffle` method provided by the `random` library, we will randomly assign a paper to every student in the list `names`:

```
[ ]: from random import shuffle

shuffle(papers)

for (name, paper) in zip(names, papers):
    print(name+" -> "+paper)
```

```
Anatolie -> https://www.nature.com/articles/s41586-023-06185-3
Chidolue -> https://www.nature.com/articles/s41586-022-04448-z
Felopateer -> https://www.nature.com/articles/s41598-023-45644-9
Igor -> https://www.nature.com/articles/s41598-023-33384-9
Jan-Philipp -> https://www.nature.com/articles/s42256-021-00430-y
Jose Luis -> https://www.nature.com/articles/s41586-022-05639-4
Kieran -> https://www.nature.com/articles/s41586-023-06419-4
Lasse -> https://www.nature.com/articles/s41586-023-06647-8
Mostafa -> https://www.nature.com/articles/s41586-022-05172-4
Ogalagu -> https://www.nature.com/articles/s42256-023-00744-z
Paola Andrea -> https://www.nature.com/articles/s41467-022-32483-x
Sahar -> https://www.nature.com/articles/s41586-023-06668-3
Simon -> https://www.nature.com/articles/s41598-023-46850-1
Thishan -> https://www.nature.com/articles/s42256-023-00721-6
```

If you've not been assigned a talk, please contact me via mail.

2 Formal requirements

- 15 min talk plus 5 min for questions and discussion
- Prepare talk slides and a one-sided handout (PDF)
- Upload your slides and your handout to the folder **Talk** in your node's home directory
- There is an upload deadline: TBD

- Join the colloquium in time, follow the talks and ask questions :-)

3 Some additional aspects:

- Make your slides clean and concise, avoid walls of text or too many equations
- If your talk is well structured, you don't need to include an outline or a table of contents
- Important concepts need to be visualized
- Work with arrows and (subtle) highlighting to control the attention of the audience
- I will make my grading criteria as transparent as possible by uploading the (raw) form that I fill out for every student
- The form lists all the aspects that I pay attention to
- Regarding your sources and references, be as transparent as possible
- Pasting stock images and eyecandy without proper reference is fine
- Illustrations that support your arguments and code segments need to be referenced adequately
- Wikipedia is a valid source to start with, but won't be enough to score a 15
- In the handout, you can elaborate on central aspects of your talk and include additional details