

# Data Science Workflow / Applications (SoSe21)

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## Final Exam Part 2: Implementing a News Reader?

### Submission phase

Setup phase	Submission phase	Assessment phase	Grading evaluation phase	Closed
	Current phase ●  <a href="#">Submit your work</a> Submissions deadline: Freitag, 2 Juli 2021, 11:59 (13 days left)	Assessment deadline: Freitag, 16 Juli 2021, 11:59 (27 days left)		

### [Instructions for submission](#) ▼

Short version:

- Build a news reader in python
- Include some non-trivial ML based functionality (topic modeling, sentiment classification, political bias detection, ...)
- Feel free to work on non-german news pages (but expect less detailed feedback for arabic or japanese news papers ...)
- Submit your solution as a **jupyter notebook** (as ipynb file with output cells and html rendered version for readability)
- Prepare a **screencast of 5 minutes** (max), in which you explain what you did and what came out (feel free to include code by rendering your notebook as slide deck)
- Submit your notebook/html and screencast (**deadline July 2nd at midnight**)
- After submission, you will get another random submission assigned for review (**deadline July 16 at midnight**)

Longer version:

In this task you will use what we covered in the previous lectures to build a news reader.

It is recommended that you use the tools presented in the lecture, meaning pandas, sklearn, BeautifulSoup, newspaper3k, ... - that way you will be able to build a functioning solution in a few lines of code.

But of course you can use whatever you are most comfortable with. The only important formal constraint is that you **write it in python and submit it in the above format**.

Solutions that build an end-to-end product that is deployed and usable live through a web interface would be great. But it is equally fine if you just collect some data over a couple days and then present your solution as a 'static' implementation.

Try to implement some non-trivial ML based functionality, such as:

- a simple topic model
- some supervised model predictions capturing e.g. sentiment, political stance (for instance by predicting the applause a given text would have gotten from each party in the Bundestag)

### [Your submission](#) ▼

You have not submitted your work yet

Add submission