



days until next Chomsky's B-day: 258

Codio Research

reduce (P95%^{acc}, $x, y : x + y$, list, initial val)

File.json



① read in df, & assign to binding ✓

② use reduce() to:
↳ a) filter out articles
↳ b) Save filtered words
into a new JSON file

③ convert filtered File
into .CSV file for demo

article-filter
↳ if article is in
df return False
↳ else return
True



GOALS

- Establish a new curriculum foundation for IDDS 2132 Practical Machine Learning
- Complete paper about our year-long process to submit to the SIGSCE conference

OVERVIEW

- Process to reach goals took multiple forms
- Reforming curriculum was based off observations from the previous running of the course
- Used new demo assignment called Space Sheet
- Attempted coding autoencoder/decoder to better visualize the latent space process
- Provided a comprehensive writeup of the process for SIGSCE

Observations from PML

- IDDS 2132, better known as Practical Machine Learning (PML) ran in the spring of 2021 and spring of 2022
- First run of the course was based off an MIT research project by Natalie Lao advertised to teach non-computer science majors computer science
- Post-first run revealed flaws in the assignments and expectations for how much coding students were capable of, notably the A7 assignment
- Vastly different pre-requisites and exposure to math and coding at a tech school like MIT versus a liberal arts institution like Emmanuel
- Access to technology such as a computer lab also impacted success of the course
- A7 was called to become more concise with a greater focus on the goal of the assignment: for students to understand latent space in machine learning
- Second run of the course (spring 2022) showed that the platform being used was too difficult for students and additional coding requirements added unnecessary complexity
- A7 needed to be scratched to better compensate these differences

Emmanuel College