

Massive Data Processing Laboratory 1

Roman Bartusiak, Piotr Bielak

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Overview

Staff

Materials

AWS

Grading

Project Goals Plan Extra

Calendar

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Exact office hours will be announced, but you can find us in **room 441, building A-1**. Please send an email beforehand.



Materials

- ► https://lsdp.ml
- ► http://docs.python.org





- ▶ 200\$ per student
- Possibility to get more in special cases
- Use it reasonably
 - Remove unused resources
 - Look at the pricing
 - ► Try the spot instances



Grading

- ► Every part is graded separately
- Every part is not equal (different number of points)
- ► Every part must get > 50%

Points range	Grade
< 50%	2
[50%, 60%)	3
[60%, 70%)	3.5
[70%, 80%)	4
[80%, 90%)	4.5
[90%, 100%]	5
> 100%	5.5



Project Goals

- 1. Data acquisition
 - Monitoring
 - ► Use task queue
- 2. Data transformation and unification
- 3. Data cleaning
- 4. Persistence
- 5. Statistical analysis
- 6. Machine learning



Project

- 1. Reddit posts scraping and process monitoring
- 2. Post embedding, data persistency
- 3. Statistics visualization
- 4. Linear regression
- 5. Classification (subreddit, NSFW)
- 6. SPA Application



Project Extra

To get **grade 5.5** you must perform extra work:

- 1. LSH for top *k* subreddits
- 2. Subreddit similarity graph
- 3. Community detection



Calendar

Part	TP	TN
1.	17.10	10.10
2.	14.11	24.10
3.	28.11	07.11
4.	12.12	21.11
5.	09.01	05.12
6.	16.01	19.12
Final	30.01	23.01

https://pwr.edu.pl/studenci/kalendarz-akademicki



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