

# FEED Pulse

[My feedback](#)[Group feedback](#)**Matviienko, Andrii A.Y.**

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**Checkpoint 28 Wk.18 ML-talk challenge Thu 22/01 (Martijn) 22-01-2026****Matviienko, Andrii A.Y.** 3 days ago

I spoke with my teacher, Martin. I showed him my notebook and told him that my personal project was mostly finished, with only a few finishing touches remaining. He said everything was fine, but he suggested adding a well-written intro and outro to the project notebook.



Write a summary of what you discussed with your teacher...

[Post feedback](#)**Checkpoint 27 Nick 21-01-2026** **Matviienko, Andrii A.Y.** 4 days ago

I showed my teacher, Nick, my video of conversation with the stakeholder, in which the stakeholder briefly explained his problem, and then I asked him questions about my project. The teacher said the video was well-made and fits the Explainable AI evidence. I also showed him that I'd added my project's target to the Project Proposal Analytic Approach, as he'd advised me to do earlier.

## Checkpoint 26 Week 18 DAIA 21-01-2026



**Matviienko, Andrii A.Y.** 9 hours ago

I showed my progress to my teacher and asked whether there was anything else I should improve to receive a good DAIA evaluation. I explained that I am currently working on improving the structure of my notebook after my discussion with Martijn, and that I also plan to slightly expand the Research Document as she had previously advised.

The teacher said that, besides the points I mentioned, she had no additional suggestions. She added that once I complete these improvements, it should be fine from her side



Write a summary of what you discussed with your teacher...

[Post feedback](#)

## Checkpoint 25 16-01-2026



**Matviienko, Andrii A.Y.** 9 days ago

I had a feedback session with teacher Nick. He stated that I need to ask the stakeholder two questions. These questions are about whether the stakeholder understands what the model is doing and whether the stakeholder sees any possible societal impact of the model. He also mentioned that the target variable should be clearly specified in the Analytical Approach. Overall, apart from these points, he was happy with the changes I made to the documentation

## Checkpoint 24 Wk.17 ML-talk challenge Thu 15/01 (Martijn) 15-01-2026😊



Lamers, Martijn M.J.M. (Teacher) 10 days ago

Your second challenge work (on skill prediction for ICT job descriptions) looks really nice! But make sure you add enough comments in your notebook, to "guide" the reader through your chain of reasoning ...



Matviienko, Andrii A.Y. 10 days ago

I showed my project progress. I presented the updated classifier code, where I made small parameter changes to handle rare skills better. I also showed the updated data processing steps, which improved the model performance.

The goal of my project is to predict the required skills based on the job title and job description.

In the project, I use two main models. First, I use HDBSCAN clustering to group similar skills based on how often they appear together. This helps to find skill groups without setting the number of clusters in advance.

Second, I use a multi-label text classification model based on TF-IDF and One-vs-Rest Logistic Regression. TF-IDF converts job descriptions into numerical features, and the One-vs-Rest approach allows the model to predict multiple relevant skills for a vacancy. Logistic Regression is used as a simple and interpretable classifier for each skill.

The teacher said that the overall progress looks good and had no major comments. The main suggestion was to add more detailed comments in the notebook to make the code and steps easier to understand

**Checkpoint 23 Week 17 Wednesday DAIA 14-01-2026****Matviienko, Andrii A.Y.** 10 days ago

I showed my DAIA progress, including the research, data processing, an additional dataset, and the updated EDA. The teacher indicated that everything looks fine overall. The main suggestion was to add more comments to make the notebook more self-explanatory and to describe the data provisioning and feature engineering steps from the referenced papers more clearly

**Checkpoint 22 Nick 12-01-2026****Matviienko, Andrii A.Y.** 13 days ago

I discussed the current documentation and project structure with teacher Nick. The teacher mentioned that the documentation is too complex, which makes it difficult to understand what exactly was done and how I approached the problem.

The teacher also pointed out that the connection between domain understanding and applied research is not clear enough. Because of this, it is hard to follow the overall logic of the project. According to the teacher, these parts should not be split into separate documents, but instead be combined into one document - the Proposal.

In addition, the teacher noted that I should clearly describe my way of working in the Proposal. In the HOW section, I need to explain my working process step by step and clarify why certain decisions were made.

In general, the main advice was to simplify the documentation and make it easier to read and understand.

**Checkpoint 21 Wk.16 ML-talk challenge Thu 08/01 (Martijn) 08-01-2026** 😊**Matviienko, Andrii A.Y.** 17 days ago

I spoke with the teacher. I told him about the current state of the project, the work done since the previous feedback, showed him the classifier model and the preliminary results. I explained my plans, what I thought needed improvement, and what I should focus on. The teacher said I was progressing at a normal pace and that everything was fine.

**Lamers, Martijn M.J.M. (Teacher)** 10 days ago

A correct summary of our talk on Thursday, January 8th about your ICT skill classifier for job vacancies challenge project.

You showed me that your algorithms (i.e., classification model, but also clustering used) works: It gives the top-10 skills per entered ICT job description.

**Checkpoint 20 Week 16 Data Review 07-01-2026** 🔒**Matviienko, Andrii A.Y.** 18 days ago

We talked about my current project progress. I showed my translated job vacancies dataset and the current EDA. I explained my planning. The teacher said that my progress is good, but that I need to expand the EDA. Teacher also helped me with how to approach two datasets with very different structures and suggested writing a short research document about text mining

**Checkpoint 19 Week 15 DAIA Review 20-12-2025** 🔒**Thayyakathe Raveendran, Sreedevi S. (Teacher)** a month ago

In contrast to the agreement we made in Week 12, there were no interaction moments, and I did not receive any updates on the progress made with the data.

**Checkpoint 18 Wk.15 ML-talk challenge Thu 18/12 (Martijn) 18-12-2025** 

⚠ You didn't submit feedback for this checkpoint.

**Checkpoint 17 Wk.13 ML-talk challenge Thu 04/12 (Martijn) 04-12-2025** **Matviienko, Andrii A.Y.** 2 months ago

I talked to my teacher about my project's progress. I described my current progress, the data difficulties I encountered, and explained the possible solutions I had come up with.

I showed the current datasets I use and explained their problems, my attempts to clean them, and asked about the possibility of using translated Russian datasets, as they are much more informative and of higher quality. Overall, the teacher said I was doing a good job and that there was no reason for me to rush or worry.

**Lamers, Martijn M.J.M. (Teacher)** a month ago

Hi Andrii,

Indeed a correct summary of our ML-talk on December 4th, about your ICT-SKILLS analyzer project.

Regards,  
Martijn

**Checkpoint 16 Week 12 Data Feedback 27-11-2025**  **Matviienko, Andrii A.Y.** 2 months ago

I had feedback with my DAIA teacher. I told her about two of my project ideas, but I clarified that I preferred the skills analyzer. I showed her the datasets I'd found that could be used in this project. The teacher said she'd like the analyzer to look specifically at job descriptions. Teacher also asked me to do some research on text mining.

**Checkpoint 15 Wk.12 ML-talk challenge Thu 27/11 (Martijn) 27-11-2025😊****Matviienko, Andrii A.Y.** 2 months ago

I had a conversation with the teacher. I explained the progress of my second challenge, the datasets I'd found, and any potential scheduling issues (I only have six weeks to complete this challenge). I concluded by saying that I needed to get the challenge approved by the DAIA teacher, and then I could start working on the project.

**Lamers, Martijn M.J.M. (Teacher)** 2 months ago

Hi Andrii,

Although a bit short and broad, indeed a correct summary of what we have discussed on Thursday, November 27th.

Regards,  
Martijn

**Checkpoint 14 Wk12. Nick 26-11-2025 🔒****Matviienko, Andrii A.Y.** 2 months ago

I had a conversation with the teacher. I presented two of my ideas for the second challenge.

First, the system extracts skills from job descriptions and uses machine learning to cluster and classify job roles, revealing which skill combinations define different professions and which competencies are most in demand on the job market.

Second, the system estimates how many students are preparing for a profession compared to how many jobs exist in that field. This helps students avoid highly competitive fields and choose a study path with better career opportunities.

The teacher said he approved of both ideas, but preferred the first one because it sounds less complicated and has fewer unpredictable factors.

## Checkpoint 13 Wk.11 ML-talk challenge Thu 20/11 (Martijn) 20-11-2025😊



**Matviienko, Andrii A.Y.** 2 months ago

I showed my two project ideas for challenge 2. Both related to job market

1st - the system extracts skills from job descriptions and uses machine learning to cluster and classify job roles, revealing which skill combinations define different professions and what competencies are most demanded on the job market.

2nd - The system estimates how many students are preparing for a profession compared to how many jobs exist in that field.

This helps students avoid highly competitive areas and choose a study path with better career opportunities.

Teacher liked and agreed on both, but 2nd idea seems more interesting to him personally



**Lamers, Martijn M.J.M. (Teacher)** 2 months ago

Hi Andrii, indeed a good summary of our talk on November, 20th.

## Checkpoint 12 Wk10. Challenge-I presentation (on Wed 12 Nov) 12-11-2025 😊



Lamers, Martijn M.J.M. (Teacher) 2 months ago

Hi Andrii,

On Wednesday, November 12th (13.45-14.00), you showcased your first challenge to the semester teachers and your fellow group members with an oral presentation at the stage in building TQ4.

Topic: Steam (game discount) Analyzer

You used a 2-model approach: Domain --> Data --> Model Behavior --> Predictions with regression AND classification models.

Used ML-models (regression first):

- RandomForestRegressor
- XGBoost

Then you went to a second approach with a Classifier instead of regression. However, the dataset is unbalanced --> ratio discount : no discount = 5 : 1. That turned out to make an accurate prediction hard to do.

What you did for the machine learning part in this semester is quite well and you seem to know what you're doing.

I'm looking forward to your second challenge.

Regards,  
Martijn

## Checkpoint 11 Wk.09 ML-talk challenge Thu 06/11 (Martijn) 06-11-2025 🔗



Matviienko, Andrii A.Y. 3 months ago

I spoke with the teacher. I showed him my progress on the project, expressed my difficulties, and also asked about the need to build a website. The teacher said he personally didn't require one.

**Checkpoint 10 Wk.08 ML-talk challenge Thu 30/10 (Martijn) 30-10-2025** **Matviienko, Andrii A.Y.** 3 months ago

Today, I showed my teacher my results. By this point, I had managed to parse additional data related to my challenge, create extra graphs based on this data to properly select features for model tuning, and set up two models (Random Forest and XGBoost) to compare their results. Overall, both models performed quite well, although XGBoost showed slightly better results. The teacher said that the project looks pretty good — even better than he expected.

I also mentioned that over the weekend I plan to discuss the project with my stakeholder, and that by the final presentation, I aim to develop a website for the project using Flask.

**Checkpoint 9 Wk.07 ML-talk challenge Thu 23/10 (Martijn) 23-10-2025** **Matviienko, Andrii A.Y.** 3 months ago

Today I showed my project to my teacher. I told him about my current problems (the model's accuracy in predicting the problem) and asked about the best solution, given that I have two weeks left until the final deadline for the first challenge. The teacher advised me, if I have time, to parse additional data and also to try playing with my model or trying to replace it with another model that performs better over time, for example, AdaBoost, and compare the results. The teacher also reminded me that I will be assessed primarily on my knowledge and ability to explain how my project works, not on the accuracy of my model.

**Lamers, Martijn M.J.M. (Teacher)** 3 months ago

Hi Andrii,

Indeed a correct summary of our talk on Thursday, October 23rd. Nice work!

Regards,  
Martijn

**Checkpoint 8 Week 7 DAIA talk Sreedevi 22-10-2025** **Matviienko, Andrii A.Y.** 3 months ago

Today, I presented my project to my teacher. I explained the current issues I'm facing with the model's accuracy in predicting the problem and asked for advice on the best solution, considering that the first assignment's deadline is in two weeks. The teacher suggested that I consult the ML instructor for a more detailed answer. She also recommended that, if I have time, I should try to parse additional data. I also asked about my performance in the DAIA course — whether there was anything I should focus on — and she said that I'm doing well.

**Checkpoint 7 Wk.06 ML-talk challenge Thu 09/10 (Martijn) 09-10-2025** **Matviienko, Andrii A.Y.** 3 months ago

I spoke with my teacher about my project proposal. I updated it slightly according to my teacher Martin's instructions and went through each section of the document, explaining the challenges I encountered while creating the dataset.

**Checkpoint 6 Week 6 DAIA Sreedevi 08-10-2025** **Matviienko, Andrii A.Y.** 3 months ago

I showed my teacher my dataset, describing its creation and the challenges I'd encountered in detail. It turned out to be a long story, and the teacher asked me to create a separate document where I'd explain it with a couple of screenshots.

I also asked a couple of questions about the need to add tags as a feature for discount prediction and the best way to recommend game purchase times. The teacher advised me to keep things simple and use only the necessary information.

**Checkpoint 5 Wk06. Overall ML-progression idea sofar (Martijn) 07-10-2022**

⚠ You didn't submit feedback for this checkpoint.

**Checkpoint 4 Week 5 DAIA Review 02-10-2025 🔒****Matviienko, Andrii A.Y.** 4 months ago

I showed my project proposal to the teacher. Overall, the teacher had no issues with it, except for the ones where I forgot to remove some things from the previous version of the document.

The teacher also advised me to start working on the challenge as soon as possible.

**Checkpoint 3 week 4 Sreedevi DAIA Review 24-09-2025 🔒****Matviienko, Andrii A.Y.** 4 months ago

We spoke about my idea for the first challenge. I showed my dataset, what I am going to predict, using which features and which problems I may encounter while working on it.

The teacher agreed on my idea so I may start working on the first challenge.

**Checkpoint 2 Wk.04 ML-talk challenge Tue 23/09 (Martijn) 23-09-2025 😊****Matviienko, Andrii A.Y.** 4 months ago

I spoke with Martijn about the topic of my first challenge and whether it fits the challenge recommendations the teachers had given us. I believe my topic (analyzing prices and discounts on the Steam platform) is still suitable, so I'll be working on it. At the time of the meeting, I still needed to get approval from the DAIA teacher to begin with it. I also showed him my solution to the Decision Trees assignment, which the teacher had no issues with.

**Checkpoint 1 Wk.03 ML-talk challenge Tue 16/09 (Martijn) 16-09-2025 😊****Matviienko, Andrii A.Y.** 4 months ago

ChatGPT сказал:

I told my teacher about two challenge ideas. The first one is analytics and predicting data related to discounts/sales on the online game platform Steam. The second one is tracking changes in public opinion about the war in Ukraine on Reddit over time and trying to find correlations with events (missile strikes/changes in public opinion about the war in Palestine). The teacher said both ideas are good, but advised me to first do the challenge related to Steam, and later decide on the feasibility of the second one.

**Matviienko, Andrii A.Y.** 4 months ago

I told my teacher about two challenge ideas. The first one is analytics and predicting data related to discounts/sales on the online game platform Steam. The second one is tracking changes in public opinion about the war in Ukraine on Reddit over time and trying to find correlations with events (missile strikes/changes in public opinion about the war in Palestine). The teacher said both ideas are good, but advised me to first do the challenge related to Steam, and later decide on the feasibility of the second one.

**Lamers, Martijn M.J.M. (Teacher)** 4 months ago

Indeed a correct summary of our talk on Tuesday 16/09.

But why twice and what's ChatGPT doing there?

I have unlockedthe checkpoint, but that doesnn't allow you to remove it ... :-)