The list of topics to be selected from

Final project grading:

* Final project tutorial presentation **25 points**.
* Final project Jupyter-Notebook **25 points**.

Important dates:

* 13.12.2024 Final project assignments
* 13.12.2024 Hands-on - Final project assignments
* 10.01.2024 Final project tutorials and results presentation, and Notebooks demonstration

**Simple (25+25 Points)**:

1. Create data with GANs: **I’m Something of a Painter Myself** (<https://www.kaggle.com/competitions/gan-getting-started/overview> )
2. Computer Vision: **Dogs vs. Cats** (<https://www.kaggle.com/c/dogs-vs-cats> )
3. Reinforcement learning: **Connect X** (<https://www.kaggle.com/competitions/connectx> )
4. NLP: Contradictory, **My Dear Watson** (<https://www.kaggle.com/competitions/contradictory-my-dear-watson/overview> )
5. NLP: **Natural Language Processing with Disaster Tweets**:  (<https://www.kaggle.com/c/nlp-getting-started>)
6. Classification problem: **Spaceship Titanic**(<https://www.kaggle.com/c/spaceship-titanic/>)
7. Sentiment analysis: **Sentiment Analysis on Movie Reviews** (<https://www.kaggle.com/c/sentiment-analysis-on-movie-reviews>)
8. Time series problem: **Store Sales** **- Time Series Forecasting** (<https://www.kaggle.com/competitions/store-sales-time-series-forecasting/>)
9. Regression problem: **House Prices** (<https://www.kaggle.com/c/house-prices-advanced-regression-techniques>)
10. Classification: **Binary Classification of Machine Failures** (<https://www.kaggle.com/competitions/playground-series-s3e17/overview> )
11. Prediction: **Predict CO2 Emissions in Rwanda** (<https://www.kaggle.com/competitions/playground-series-s3e20/overview> )

**Hard** **(25+25 Points + 5 Bonus Points)**:

1. Fraud detection: IEEE-CIS Fraud Detection (<https://www.kaggle.com/competitions/ieee-fraud-detection/overview> )
2. Fraud detection: TalkingData AdTracking Fraud Detection Challenge (<https://www.kaggle.com/competitions/talkingdata-adtracking-fraud-detection> )
3. Robust image classifier: NIPS 2017: Defense Against Adversarial Attack (<https://www.kaggle.com/competitions/nips-2017-defense-against-adversarial-attack/overview> )
4. Time series problem: **Web Traffic Time Series Forecasting** (<https://www.kaggle.com/c/web-traffic-time-series-forecasting>)