

AI project

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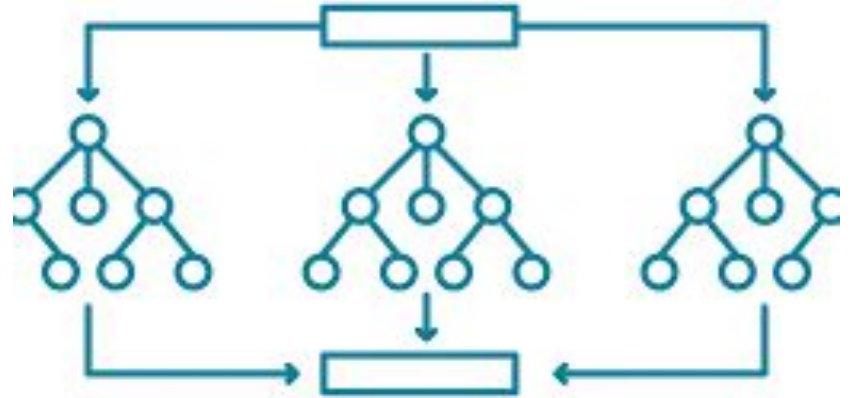
Wine Quality Dataset

- Predict the quality of wine based on its chemical composition
- Compare different methods of machine learning
- 6500 samples – not much for neural networks
 - => Experimenting with different upsampling methods



Division of work

- Preprocess data
- Train some ML models
- Experiment with upsampling



Existing Solutions

- [Exists solutions for wine quality prediction](#)
- [Comparison of 3 upsampling methods](#)

Technologies

- Python & Jupyter Lab
- Collaboration using git and markdowns – extension Jupyter
- Libraries: Numpy, Pandas, Scikit-learn, Keras



Evaluation

- Standard metrics and compare upsampling impact:
 - Accuracy
 - Precision
 - Recall
 - F1

