

2025-10-11 Meeting Notes

Date

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Participants

- RAIL PG-2 project team
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Discussion topics

1. **Share team progress in the first week of Sprint 4**
 - LIME can be used for explaining feature effects for a single record with high efficiency.
 - SHAP can be adapted on a scale from several rows to the whole training data.
 - DICE can be applied with the two techniques at the same time.
2. **XAI technique candidates to be implemented**
 - LIME, SHAP, DICE.
3. **Discuss the snapshot 4.1**
 - Check the content of snapshot 4.1.
4. **Next steps for the second week of Sprint 4**
 - In the next week, team members will apply the three XAI techniques above to the models (Group Lasso Transformer, Transformer, DNN, SVM, LightGBM) from sprint 3.
 - The features in the training dataset will also be refined based on their weight coming from the XAI result.