Final Report for Team: SpectralTeam
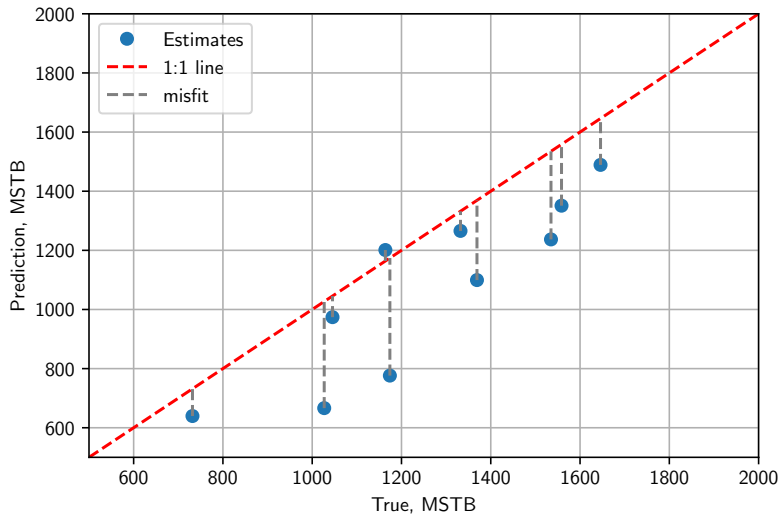

Figure 1: Accuracy.

Fig 1 shows your team's predictions compared to the actual production values at 3 years. The total mean squared error with respect to the true values is 53652.471.

Figure 2: Uncertainty distributions and true values.

Fig 3 shows your team's uncertainty model and the actual production values at 3 years for the 10 preproduction wells.

Figure 3: Goodness Score Plot.

Fig 3 shows your team's goodness score plot for the 10 preproduction wells. Your final goodness score is 0.0.

Presentation comments

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- Good setup and summary and approach to modeling,

- Clearly they have been through the workflow and features. Well spoken. Flowed well. They have done this before. They knew where to look. They have industry experience.

- excellent visualizations for your EDA. The feature engineering was all geologically based and tested in the models. Good to see SHAP values for feature selection. Very interesting to see a team approach the problem as predicting the difference in production from year to year

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Code review comments

- Great workflow, great use of functions, good visualizations. Very clear.

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- o. Overall, nice workflow! o. Nice visualization for well-log data. o. It would have been better to see more visualization in prediction models' performance. o. Each step of the code is well explained with the Markdown.