

## Final Report for Team: darcy-analytics

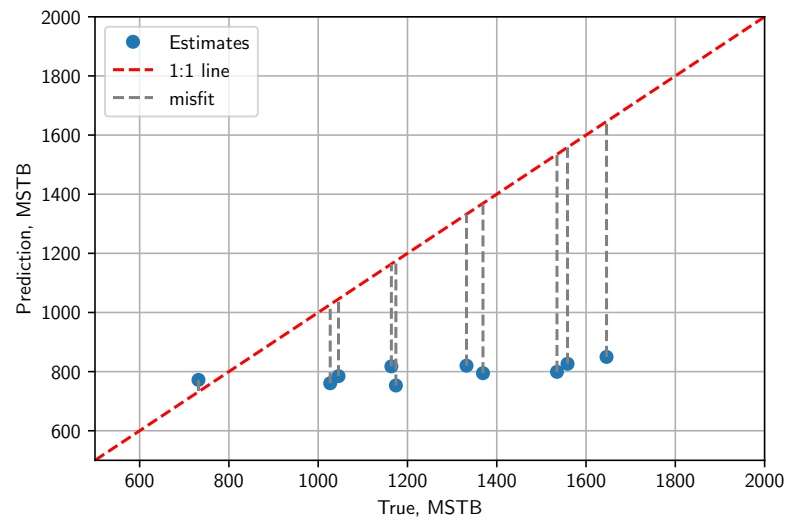


Figure 1: Accuracy.

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 274075.28.

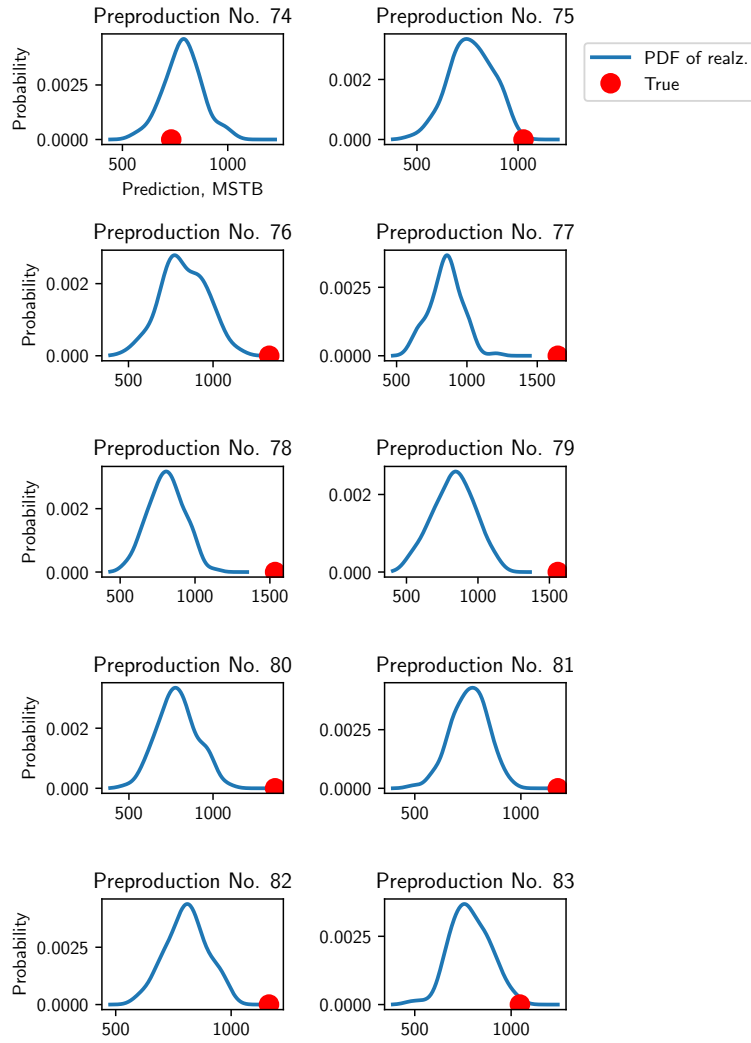


Figure 2: Uncertainty distributions and true values.

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 0.091.

## Presentation comments

- they started to get momentum in the workflow. Liked the analysis. KNN good explanation how they narrowed functions. Improved model was well done. Liked the summary and feedback. Interdisciplinary
- Really good presentation, good co-ordinations and visualizations
- nan
- great job discussing imputation choice and comparison between the tested methods
- '+vs: Great summary and approach, feature ranking and imputation approaches, 3d model and plots improve: defense of why the ANN was chosen
- nan

## Code review comments

- o. Excellent executive summary and workflow. o. Great visualization and statistical summary! o. Seems more than two workflows are integrated into one (from different team members), but it would have been better to keep consistency between each part. o. There are significantly large amounts of error messages, making the workflow unnecessarily long. o. It would have been better to have the team's interpretation or explanation right after each visualization or result in the workflow. o. Some code cells have no comment, which makes it challenging to follow.
- Good executive summary. The warnings in the scikit-learn training runs detract from the readability. Suppress those or use the correct input syntax so they don't appear in the future.
- nan