

Final Report for Team: BrEnergy

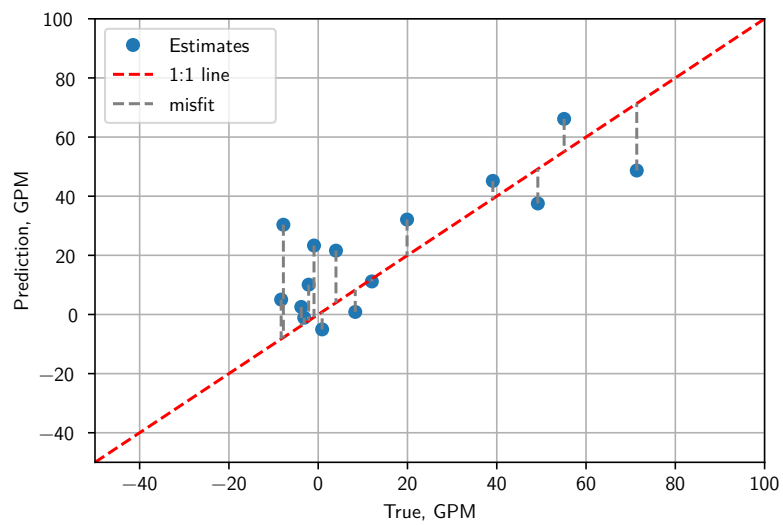


Figure 1: Accuracy.

Fig 1 shows your team's predictions compared to the actual pump difference. The total mean squared error with respect to the true values is 251.657.

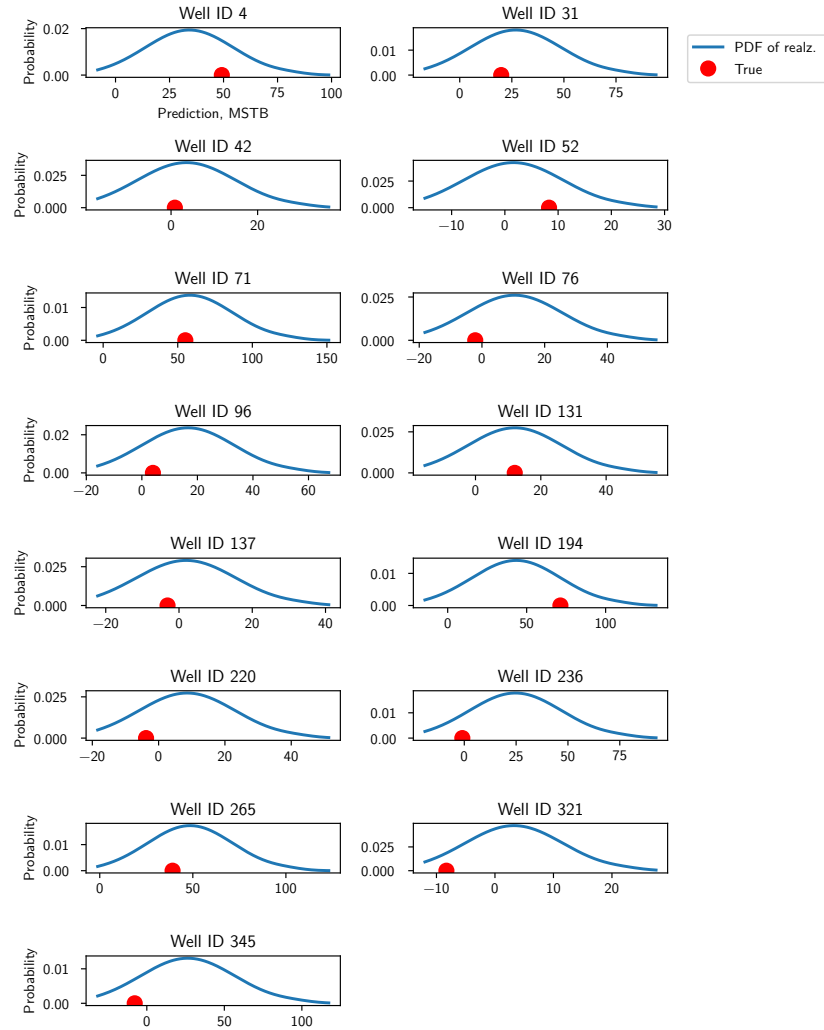


Figure 2: Uncertainty distributions and true values.

Fig 3 shows your team's uncertainty model and actual pump differences for the 15 wells.

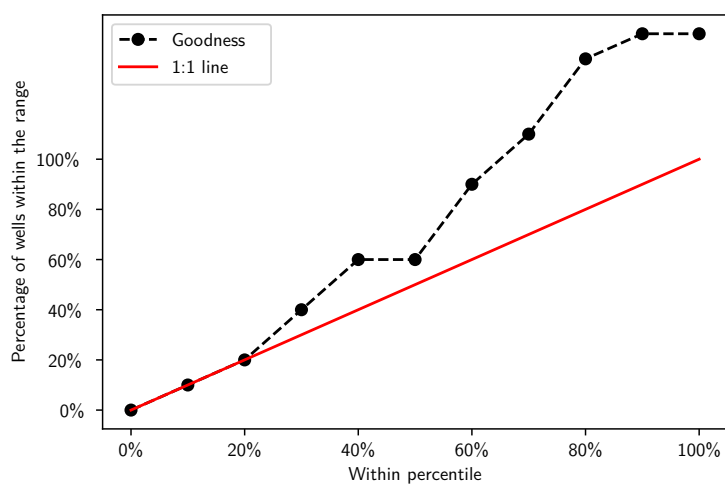


Figure 3: Goodness Score Plot.

Fig 3 shows your team's goodness score plot for the 15 wells. Your final goodness score is 0.689.

Presentation comments

- Way to go with the visuals and explaining them! Wanted to hear from all team members!
- Nice use of multiple methods for feature ranking
- nan
- Used a tornado plot, didn't see that yet, good explanation of results between RF and GB
- Great usage of different techniques for feature selection. Used shapley values.
Great interpretation and explanation of uncertainty model.
- liked the approach with grad boosting run off vs Random forest - lot of energy in the team - liked how they highlighted collaboration

Code review comments

- nan
- Good workflow, especially the uncertainty modeling