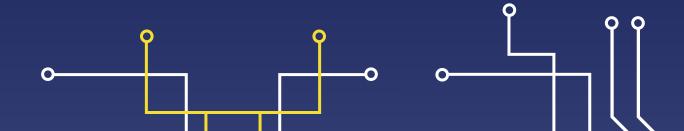


Fish MarketProject

By Team h: Michael, Stefano, Sam, and Isaac



Model and loss function

- Our model was based on polynomial regression with an initial order of 2.
- We used MSE as our loss function.

MSE =
$$\frac{1}{n} \sum_{i=1}^{n} (y_i - \tilde{y}_i)^2$$





Feature transformation, regularization, hyperparameters, etc.

.05

Value of a

L2 (Ridge)

Regularization Type

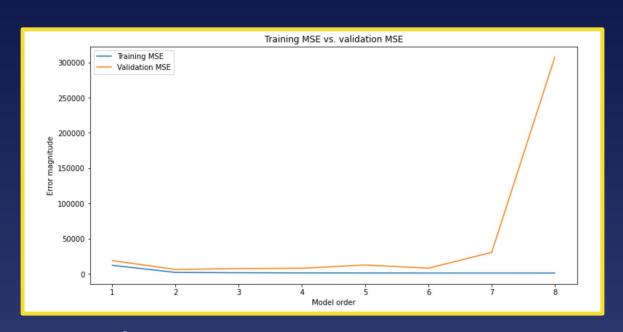
2

Order (Value of M)

Polynomial

Feature Transformation

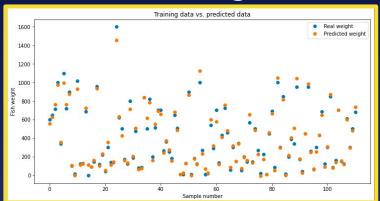
Training vs. validation error

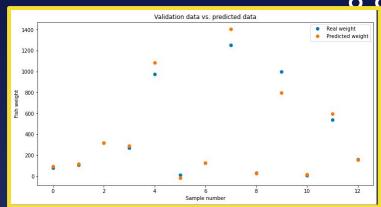


Model performance

Training







Test





Error Values

30.1 / 46.9 / 31.9 1970 / 6168 / 2773 44.3 / 78.5 / 52.6

MAE MSE RMSE

Training / Validation / Test (in grams)

Challenges



- Simultaneous work was difficult!

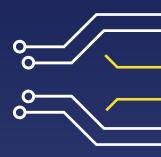
Loss of work

Ridge regularization,
 Loss functions
 deleted



Changing Orders

- Started at 5, but got MSE values in the 10,000s!





Conclusion What did we learn?



