**Extra Resources (EDA to Tuning) [focused on Regression]**

Regression Algorithm Selection and Comparison

🚩 **Treating Multicollinearity:**

* Beginners approach: [What is multicollinearity and how to remove it?](https://medium.com/analytics-vidhya/what-is-multicollinearity-and-how-to-remove-it-413c419de2f)
* Intermediate approach: [Multicollinearity in Regression Analysis: Problems, Detection, and Solutions](https://statisticsbyjim.com/regression/multicollinearity-in-regression-analysis/)

🪐 **Treating the Dimensionality problem:**

1. [6 Dimensionality Reduction Algorithms With Python](https://machinelearningmastery.com/dimensionality-reduction-algorithms-with-python/)
2. [11 Dimensionality reduction techniques you should know](https://towardsdatascience.com/11-dimensionality-reduction-techniques-you-should-know-in-2021-dcb9500d388b)

🔮 **Relevant Encoding Techniques:**

* [All about encoding techniques](https://towardsdatascience.com/all-about-categorical-variable-encoding-305f3361fd02)

1. [Target Encoding Documentation](https://docs.h2o.ai/h2o/latest-stable/h2o-docs/training-models.html#regression-example)
2. [Target Encoding Vs. One-hot Encoding with Simple Examples](https://medium.com/analytics-vidhya/target-encoding-vs-one-hot-encoding-with-simple-examples-276a7e7b3e64)

* [Category Encoders](https://contrib.scikit-learn.org/category_encoders/)

🌠 **Imputation Techniques:**

* [Reading about imputation effect](https://towardsdatascience.com/6-different-ways-to-compensate-for-missing-values-data-imputation-with-examples-6022d9ca0779)
* [kNNImputer](https://machinelearningmastery.com/knn-imputation-for-missing-values-in-machine-learning/) (beginner)
* [FancyImputer](https://krrai77.medium.com/using-fancyimpute-in-python-eadcffece782)
* [MICE Approach (IterativeImputer)](https://machinelearningmastery.com/iterative-imputation-for-missing-values-in-machine-learning/)
* [Multivariate Imputation Evaluation](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0254720)