## 4.1.3 Predictive Models

During cross-validation, RepeatedKFolder function from sklearn was utilized to determine the number of splits to use. This cross-validator repeats the K-Fold n times with different randomization in each repetition. The robustness of results was ensured by splitting the data into 5 folds and repeating the process 10 times, each with different random splits. This configuration could evaluate the performance of machine learning models on a limited sample of data in a more robust manner.

## 4.2. Experiment Result

Apple

rfr

-259107704843.12335

lr

Linux

rfr

-287562454327615.9

lr

# 7. Reference

https://dev.to/arepp23/how-to-write-to-a-csv-file-in-c-1l5b

https://towardsdatascience.com/how-to-build-your-first-machine-learning-model-in-python-e70fd1907cdd

https://towardsdatascience.com/how-to-use-random-seeds-effectively-54a4cd855a79

https://www.analyticsvidhya.com/blog/2021/05/know-the-best-evaluation-metrics-for-your-regression-model/

todo:

1. Code
2. Add figure into paper