

### Acceleration onnxruntime / scikit-learn for MLPClassifier

Scikit-learn vs onnxruntime performance comparison for different activation functions and layer sizes.

The plots show the mean execution time (in seconds) for various dimensions (dim) and methods (predict or predict\_proba).

Legend:

- ort-logc (blue circle)
- opy-logc (light blue cross)
- skl-logc (dark blue star)
- ort-relu (orange diamond)
- opy-relu (yellow diamond)
- skl-relu (brown star)

Y-axis: hidden\_layer\_mean (log scale from  $10^{-4}$  to  $10^{-2}$ )

X-axis: dim (log scale from 1 to 10<sup>1</sup>)

Method: predict

Method: predict\_proba

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