

House prices (NumPy, OOP)

1) Implement dataset normalization to get X and Y features in range from -1..1.

$$X_i = 2 \cdot \left(\frac{X_i - \min(X_i)}{\max(X_i) - \min(X_i)} - 0.5 \right)$$

Need also function to convert Y back to real values. (Is it possible?)

2) Implement model with new functions

- Use code from 4. (?) task
- Add classes LossMSE (Mean square error loss function), LayerSigmoid
- Replace ReLU with Sigmoid in Model
- Train with LossMSE
- Fine tune Hyper parameters so you can get lowest error in 300 epochs