Linear Regression (Gradient Descent and Stochastic Gradient Descent)

Dataset	Requirements
fish.csv	Using 'Length1', 'Length2', 'Length3', 'Height', 'Width' attributes to predict the fish weight ('Weight')
insurance.csv	Using all attributes (except 'charges') to predict the medical insurance cost ('charges')
wine.csv	Using all attributes (except 'quaility') to predict the quality of wine ('quality')
	Using all attributes (except 'Temperature_c') to predict the outside's temperature
weather.csv	('Temperature_c')

Requirements

- Standardazing data
- Splitting data into the training and testing set with ratio 7:3 (70% training, 30% testing)
- Coding from scratch for Gradient Descent.
- Using library for Stochastic Gradient Descent.
- Visualizing the cost (only for Gradient Descent)
- Using \underline{MSE} and $\underline{R^2}$ score to evaluate the performance (using sklearn.metrics)