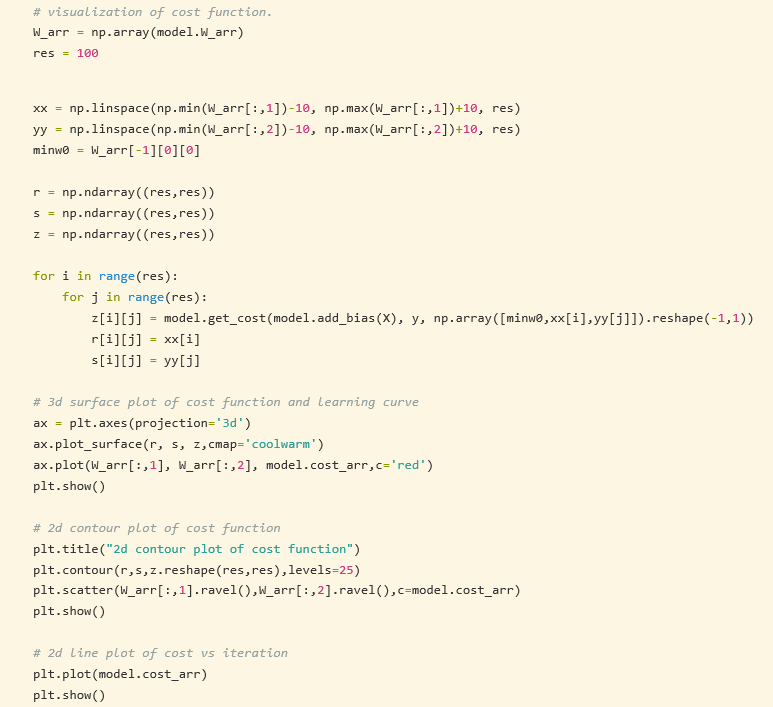
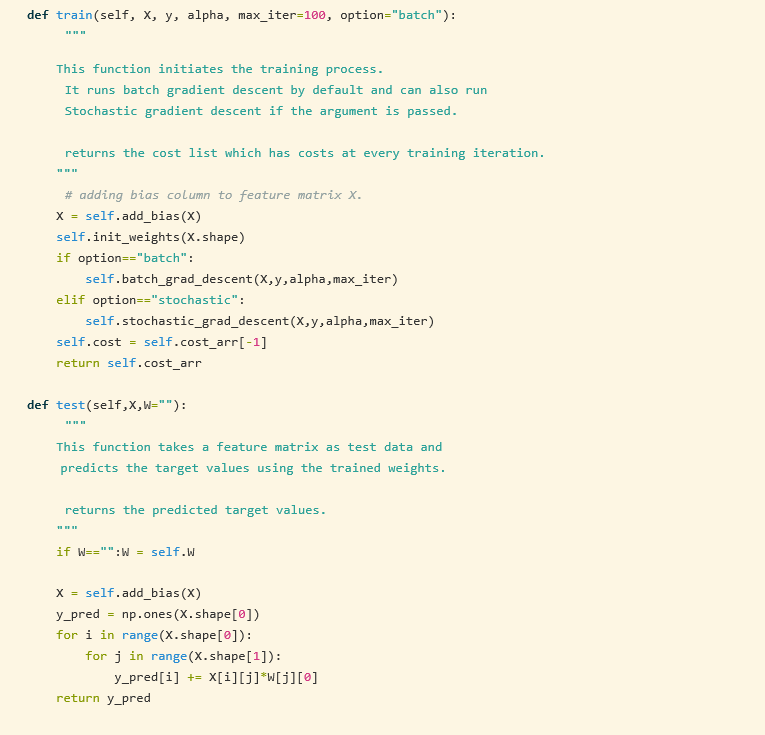
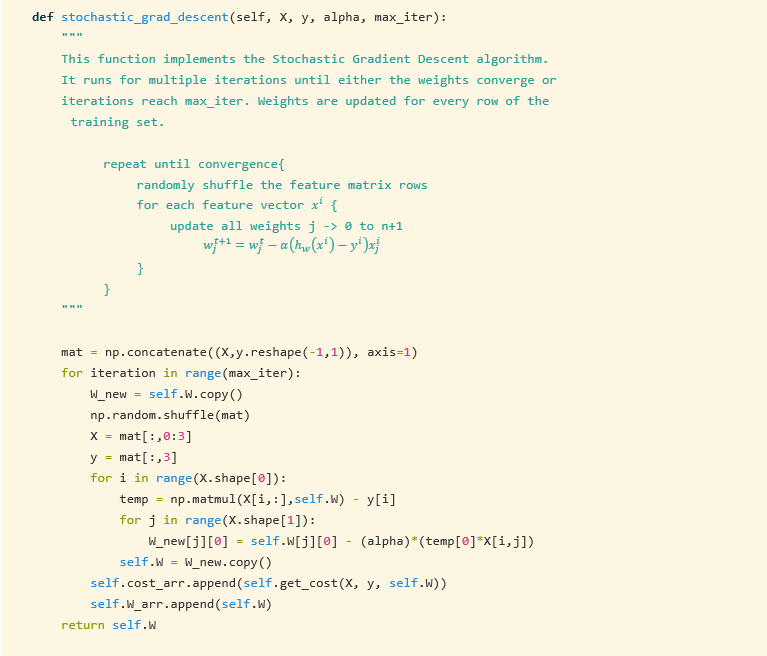
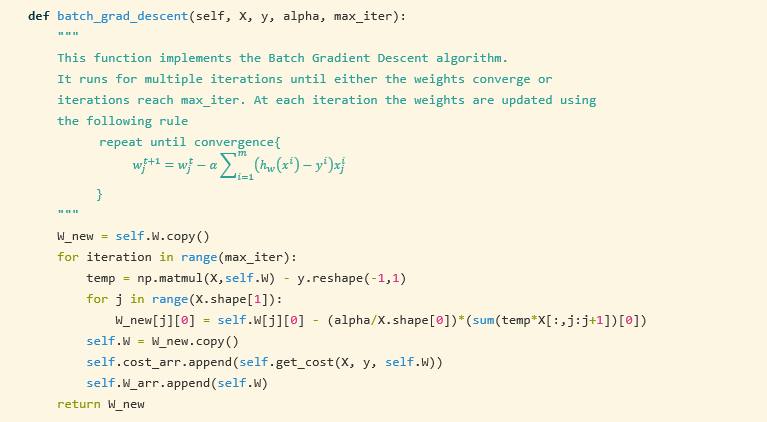
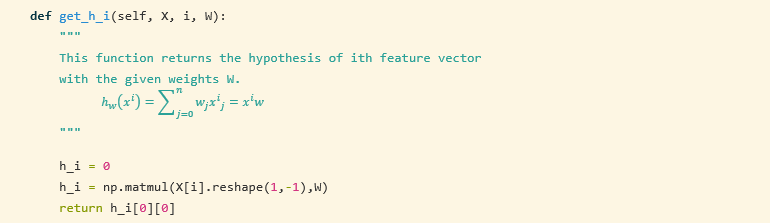
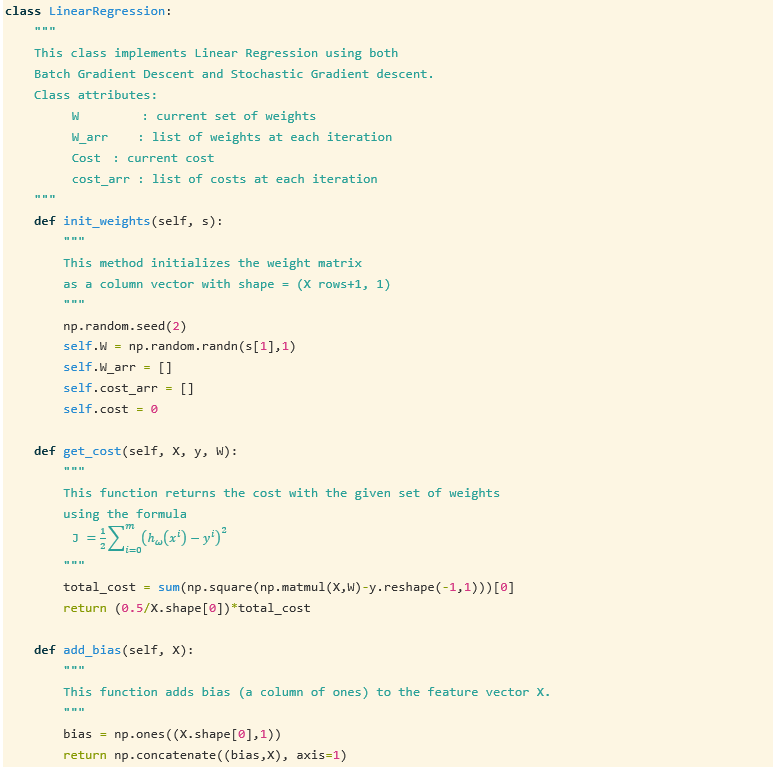
# Linear Regression

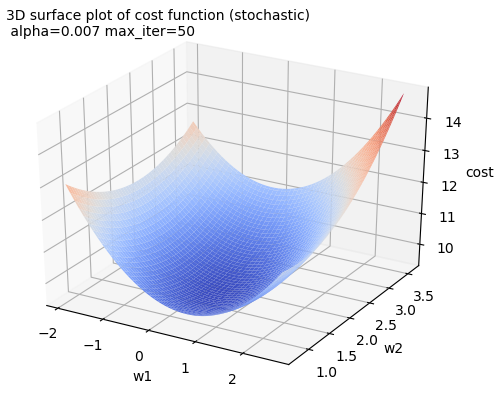
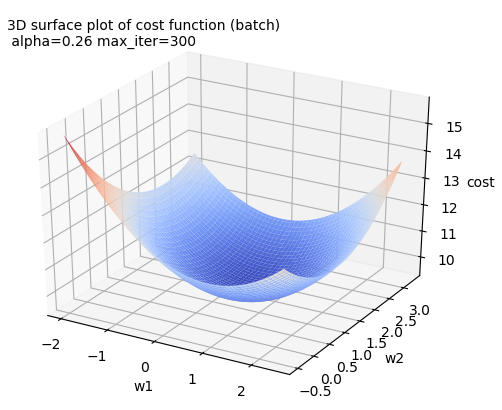
## Linear Regression

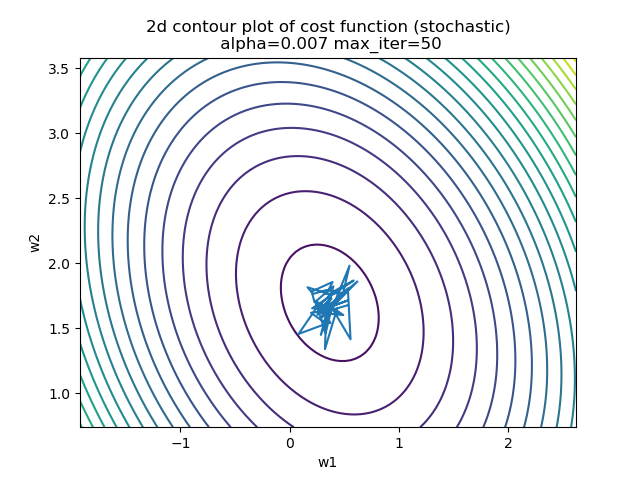
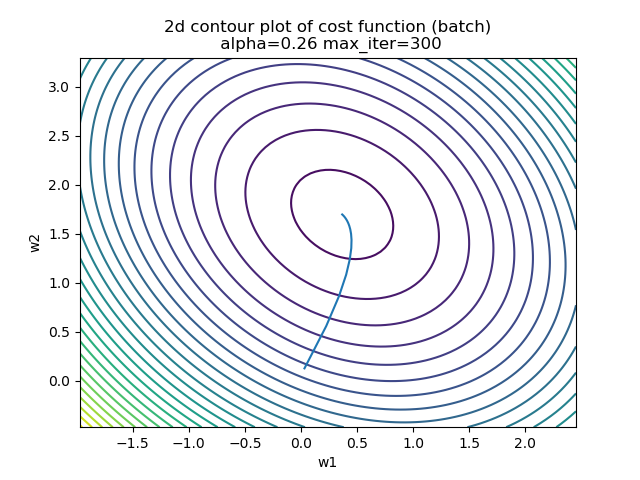


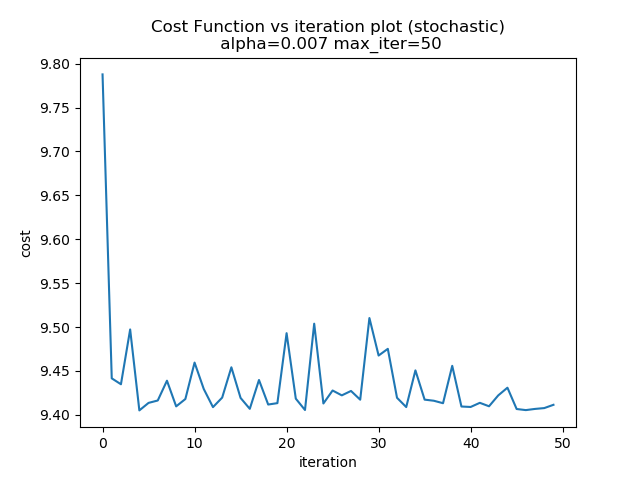
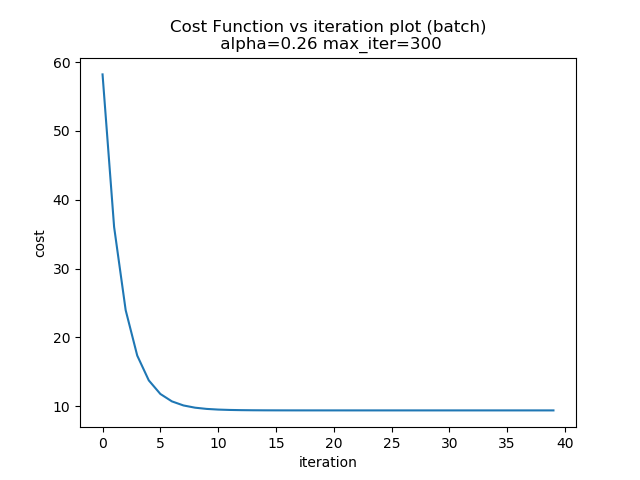
### Results:

|  |  |
| --- | --- |
|  |  |
| Batch Gradient Descent | Stochastic Gradient Descent |
| weights:  w0 = 14.9047221  w1 = 0.36752656  w2 = 1.6965344  Total Cost: 9.403235190130703 | weights:  w0 = 14.95107574  w1 = 0.39873559  w2 = 1.75867644  Total Cost: 9.407225072389698 |
|  |  |

### Plots:







## Ridge Regression

Results:

|  |  |
| --- | --- |
|  |  |
| Batch Gradient Descent | Stochastic Gradient Descent |
| weights:  w0 = 14.75716074  w1 = 0.36824758  w2 = 1.67956428  Total Cost: 9.429059509401734 | weights:  w0 = 14.8376096  w1 = 0.18609906  w2 = 1.76646287  Total Cost: 9.421065885290048 |
|  |  |
|  |  |

