**MLP Binary**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Epoch** | **h1** | **h2** | **nu** | **mu** | **test error** |
| 54 | 10 | 90 | 0.1 | 0.9 | 0.0849 |
| 12 | 90 | 10 | 0.1 | 0.9 | 0.0640 |
| 13 | 50 | 50 | 0.1 | 0.9 | 0.0475 |
| 36 | 50 | 50 | 0.1 | 0.1 | 0.0850 |
| 37 | 50 | 50 | 0.1 | 0.9 | 0.1167 |
| 2 | 50 | 50 | 0.9 | 0.9 | NaN |
| **36 (W = gauss)** | **50** | **50** | **0.1** | **0.1** | **0.0866** |
| 3 (W = 1) | 50 | 50 | 0.1 | 0.1 | 0.7005 |
| 3 (W = 0.1) | 50 | 50 | 0.1 | 0.1 | 0.6934 |

**Linear Regression**

Test Error: 0.4763

v\* = 10

**Logistic Regression**

|  |  |  |  |
| --- | --- | --- | --- |
| **Epoch Count** | **nu** | **mu** | **test\_err** |
| 105 | 0.1 | 0.1 | 0.7280 |
| 114 | 0.1 | 0.9 | 0.5471 |
| 101 | 0.9 | 0.9 | 1.4077 |
| **87 (W gauss.)** | **0.1** | **0.9** | **0.5722** |
| 3 (W = 5) | 0.1 | 0.9 | NaN |
| 94(W = 0.1) | 0.1 | 0.9 | 0.544 |