**MLP Binary**

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| --- | --- | --- | --- | --- | --- |
| **Epoch Count** | **h1** | **h2** | **nu** | **mu** | **test\_err** |
| 51 | 10 | 90 | 0.1 | 0.9 | 0.0684 |
| 51 | 90 | 10 | 0.1 | 0.9 | 0.1067 |
| 51 | 50 | 50 | 0.1 | 0.9 | 0.4335 |
| 51 | 10 | 10 | 0.1 | 0.1 | 0.0292 |
| 21 | 10 | 10 | 0.9 | 0.1 | 0.8106 |
| 51 | 10 | 10 | 0.1 | 0.9 | 0.0218 |
| 21 (w = 5) | 10 | 10 | 0.1 | 0.1 | 0.6947 |
| 21 (w = 0.01) | 10 | 10 | 0.1 | 0.1 | 0.1661 |
| 21 (w = 0.01) | 10 | 10 | 0.1 | 0.9 | 0.1425 |

**Linear Regression**

Test Error: 0.4763

v\* = 10

**Logistic Regression**

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| --- | --- | --- | --- | --- | --- |
| **Epoch Count** | **h1** | **h2** | **nu** | **mu** | **test\_err** |
| 51 | 10 | 90 | 0.1 | 0.9 | 0.0684 |
| 51 | 90 | 10 | 0.1 | 0.9 | 0.1067 |
| 51 | 50 | 50 | 0.1 | 0.9 | 0.4335 |
| 51 | 10 | 10 | 0.1 | 0.1 | 0.0292 |
| 21 | 10 | 10 | 0.9 | 0.1 | 0.8106 |
| 51 | 10 | 10 | 0.1 | 0.9 | 0.0218 |
| 21 (w = 5) | 10 | 10 | 0.1 | 0.1 | 0.6947 |
| 21 (w = 0.01) | 10 | 10 | 0.1 | 0.1 | 0.1661 |
| 21 (w = 0.01) | 10 | 10 | 0.1 | 0.9 | 0.1425 |

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| --- | --- | --- | --- |
| **Epoch Count** | **nu** | **mu** | **test\_err** |
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