**Варианты БДЗ**

**по курсу «Теория нейронных сетей»**

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| **Вариант** | **Данные** | **Число и АХ нейронов 1-го скрытого слоя** | **Число и АХ нейронов 2-го скрытого слоя** | **Число и АХ нейронов 3-го скрытого слоя** | **Режим обучения** |
| 1 | <http://archive.ics.uci.edu/ml/datasets/air+quality> | 15, logistic | 10, logistic | – | Batch |
| 2 | <http://archive.ics.uci.edu/ml/datasets/Adult> | 10, tanh | 10, tanh | 10, tanh | Mini-batch, bs = 50 |
| 3 | <http://archive.ics.uci.edu/ml/datasets/Image+Segmentation> | 20, logistic | 10, logistic | – | Batch |
| 4 | <http://archive.ics.uci.edu/dataset/291/airfoil+self+noise> | 15, tanh | 10, tanh | 5, tanh | Stochastic |
| 5 | <http://archive.ics.uci.edu/dataset/329/diabetic+retinopathy+debrecen> | 20, logistic | 20, logistic | – | Batch |
| 6 | <http://archive.ics.uci.edu/ml/datasets/Wine+Quality> | 10, logistic | 10, logistic | – | Mini-batch, bs = 50 |
| 7 | <http://archive.ics.uci.edu/ml/datasets/Combined+Cycle+Power+Plant> | 10, tanh | 10, tanh | 5, tanh | Batch |
| 8 | <http://archive.ics.uci.edu/ml/datasets/Concrete+Compressive+Strength> | 20, logistic | 20, logistic | – | Batch |
| 9 | <http://archive.ics.uci.edu/ml/datasets/HTRU2> | 10, logistic | 10, logistic | 10, logistic | Batch |
| 10 | <http://archive.ics.uci.edu/ml/datasets/Polish+companies+bankruptcy+data> | 20, tanh | 10, tanh | 10, tanh | Mini-batch, bs = 50 |
| 11 | <http://archive.ics.uci.edu/ml/datasets/Spambase> | 20, tanh | 10, tanh | 10, logistic | Stochastic |
| 12 | <http://archive.ics.uci.edu/ml/datasets/Combined+Cycle+Power+Plant> | 20, logistic | 10, logistic | – | Batch |
| 13 | <http://archive.ics.uci.edu/ml/datasets/Image+Segmentation> | 20, logistic | 20, logistic | 10, logistic | Stochastic |
| 14 | <http://archive.ics.uci.edu/dataset/291/airfoil+self+noise> | 20, logistic | 20, tanh | – | Mini-batch, bs = 50 |
| 15 | <http://archive.ics.uci.edu/ml/datasets/HTRU2> | 15, tanh | 10, tanh | 5, tanh | Batch |
| 16 | <http://archive.ics.uci.edu/ml/datasets/Polish+companies+bankruptcy+data> | 30, logistic | 20, logistic | – | Mini-batch, bs = 50 |
| 17 | <http://archive.ics.uci.edu/dataset/329/diabetic+retinopathy+debrecen> | 20, tanh | 10, tanh | 10, tanh | Stochastic |
| 18 | <http://archive.ics.uci.edu/ml/datasets/Wine+Quality> | 20, tanh | 10, tanh | 10, tanh | Mini-batch, bs = 50 |
| 19 | <http://archive.ics.uci.edu/ml/datasets/Adult> | 20, logistic | 20, logistic | – | Batch |
| 20 | <http://archive.ics.uci.edu/ml/datasets/Spambase> | 30, tanh | 20, logistic | – | Mini-batch, bs = 50 |