# Binary Logistic Regression:

| **Learning rate (lr) [**Max\_iter = 500**]** | **Validation Accuracy** |
| --- | --- |
| 0.1 | 35.51401869158879 |
| 0.01 | 38.3177570093458 |
| 0.001 | 32.71028037383178 |
| 0.0001 | 30.8411214953271 |

**Chosen lr:** 0.01

**Test Accuracy**:  **33.61344537815126**  (lr = 0.01)