Rolling window experiments – Wikipedia Dataset

## ARIMA

**Input to ML method – base forecasts**

### MSE – training at every 10th iteration

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **mintshrink** | **wls** | **bottomup** | **ols** | **case1\_lambda\_[0.01, 0.09]** | **erm** |
| **Total** | 14.96 | 11.85 | 7.61 | 4.37 | 12.1 | -923.18 |
| **Access** | 18.98 | 14.15 | 8.59 | 6.29 | 12.31 | -600.83 |
| **Agent** | 8.9 | 3.62 | -2.67 | -2.54 | 3.64 | -620.11 |
| **Language** | 14.41 | 8.75 | 3.9 | 1.55 | 4.62 | -643.66 |
| **Purpose** | 11.02 | 7.05 | 6.26 | 0.14 | -42.55 | -921.73 |
| **Article** | 4.35 | 1.34 | 0.0 | 0.02 | -69.99 | -849.05 |
| **Overall** | 13.1 | 8.71 | 4.39 | 2.08 | -4.97 | -744.63 |

**MSE – Training at every iteration**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **mintshrink** | **wls** | **case1\_lambda\_[0.1, 0.9]** | **case2\_lambda\_[0.01, 0.09]** | **bottomup** | **ols** | **erm** |
| **Total** | 15.22 | 11.92 | 10.21 | 8.24 | 7.61 | 4.37 | -315.98 |
| **Access** | 19.22 | 14.23 | 11.05 | 9.5 | 8.59 | 6.29 | -258.02 |
| **Agent** | 9.16 | 3.72 | -0.24 | -1.05 | -2.67 | -2.54 | -284.99 |
| **Language** | 14.84 | 8.87 | 7.3 | 8.64 | 3.9 | 1.55 | -293.52 |
| **Purpose** | 11.24 | 7.12 | 3.19 | 4.68 | 6.26 | 0.14 | -312.98 |
| **Article** | 4.66 | 1.45 | 0.22 | 0.26 | 0.0 | 0.02 | -323.03 |
| **Overall** | 13.39 | 8.8 | 6.13 | 5.61 | 4.39 | 2.08 | -294.32 |

**Input to ML method – transformed base forecasts**

### MSE – training at every 10th iteration

**MSE – Training at every iteration**