

| MLS | Dataset | RBST(AIC) | RBST(AICc) | RBST(BIC) | RBST(HQIC) | RBST(GMDL) |
|-----------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | automobile | 18.00 (2) | 18.00 (2) | 18.83(4) | 18.00 (2) | 18.86(5) |
| | fertility | 102.90 (3) | 102.90 (3) | 102.90 (3) | 102.90 (3) | 102.90 (3) |
| | flow | 64.53 (3) | 64.53 (3) | 64.53 (3) | 64.53 (3) | 64.53 (3) |
| | forest | 100.90 (3) | 100.90 (3) | 100.90 (3) | 100.90 (3) | 100.90 (3) |
| Ridge | servo | 60.26 (3) | 60.26 (3) | 60.26 (3) | 60.26 (3) | 60.26 (3) |
| | slump | 85.49 (3) | 85.49 (3) | 85.49 (3) | 85.49 (3) | 85.49 (3) |
| | traffic | 45.32 (3) | 45.32 (3) | 45.32 (3) | 45.32 (3) | 45.32 (3) |
| | wine_red | 64.94 (3) | 64.94 (3) | 64.94 (3) | 64.94 (3) | 64.94 (3) |
| | wine_white | 73.07 (3) | 73.07 (3) | 73.07 (3) | 73.07 (3) | 73.07 (3) |
| Avg. Rank | | (2.89) | (2.89) | (3.11) | (2.89) | (3.22) |
| SVR | automobile | 74.01 (3) | 74.01 (3) | 74.01 (3) | 74.01 (3) | 74.01 (3) |
| | fertility | 111.19 (3) | 111.19 (3) | 111.19 (3) | 111.19 (3) | 111.19 (3) |
| | flow | 90.51 (3) | 90.51 (3) | 90.51 (3) | 90.51 (3) | 90.51 (3) |
| | forest | 100.30 (3) | 100.30 (3) | 100.30 (3) | 100.30 (3) | 100.30 (3) |
| | servo | 21.66 (2) | 21.66 (2) | 22.51(4) | 21.66 (2) | 22.51(4) |
| | slump | 92.98 (3) | 92.98 (3) | 92.98 (3) | 92.98 (3) | 92.98 (3) |
| | traffic | 63.04 (1) | 63.44(3) | 63.44(3) | 63.44(3) | 63.44(3) |
| | wine_red | 76.72 (3) | 76.72 (3) | 76.72 (3) | 76.72 (3) | 76.72 (3) |
| Avg. Rank | | (2.67) | (2.94) | (3.22) | (2.94) | (3.22) |
| RF | automobile | 17.77 (3) | 17.77 (3) | 17.77 (3) | 17.77 (3) | 17.77 (3) |
| | fertility | 97.23 (3) | 97.23 (3) | 97.23 (3) | 97.23 (3) | 97.23 (3) |
| | flow | 61.60 (3) | 61.60 (3) | 61.60 (3) | 61.60 (3) | 61.60 (3) |
| | forest | 108.11 (3) | 108.11 (3) | 108.11 (3) | 108.11 (3) | 108.11 (3) |
| | servo | 16.42 (3) | 16.42 (3) | 16.42 (3) | 16.42 (3) | 16.42 (3) |
| | slump | 76.73 (3) | 76.73 (3) | 76.73 (3) | 76.73 (3) | 76.73 (3) |
| | traffic | 54.33 (3) | 54.33 (3) | 54.33 (3) | 54.33 (3) | 54.33 (3) |
| | wine_red | 60.35 (3) | 60.35 (3) | 60.35 (3) | 60.35 (3) | 60.35 (3) |
| Avg. Rank | | (3.00) | (3.00) | (3.00) | (3.00) | (3.00) |
| Mean Rank | | (2.85) | (2.94) | (3.11) | (2.94) | (3.15) |

Table 20: The 3-fold cross validation relative mean squared error and Friedman ranks for all the datasets when RBST, using several stop criteria (AIC, AICc, BIC, HQIC and GMDL), taking into account some baseline systems (Ridge, SVR and RF) and the PSO sampling strategy.