Online Appendix to "Forecasting Dutch inflation using machine learning methods"

Robert–Paul Berben*[1], Rajni N. Rasiawan[1,2], and Jasper M. de Winter[1]

[1] De Nederlandsche Bank
[2] Vrije Universiteit Amsterdam

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* Corresponding author: r.p.berben@dnb.nl.

This is the online appendix to the paper "Forecasting Dutch inflation using machine learning methods". The appendix contains explanations one pdf-file containing figures on the outcomes of the OOS.R^2 tests and median gains, and four Excel-workbooks, each containing the root mean squared error (RMSE), the out-of-sample R^2 (OOSR2) and the p-value of the Diebold-Mariano tests (p_DM) for each model, HICP measure and forecasting horizon. The reader is re-directed to the Excel-workbook when clicking on the title.

additional charts

This file includes additional OOS.R^2 charts for the pre-pandemic sample at significance levels of 10%, 5%, and 1%, the median gain in OOS.R^2 pre-pandemic, as well as the gain in OOS.R^2 charts for both the full sample at 5% and 1% significance levels,.

appendix_ref_model=M.RWD_sample=2023-12-01_vintage=04-03-2024.xlsx

This file contains the outcomes against the `RW.D` model for the full sample (2010M1–2023M12). The workbook contains 12 sheets, one for each of the 12 horizons, named "h = 1" until "h =12". The test results are shown for all models, where each row presents one model. The RMSE, OOSR2 and p_DM are shown in the columns for each inflation measure, i.e. HICP, HICPMEF, HICPNEIG and HICPS.

appendix_ref_model=NIPE.RR_sample=2023-12-01_vintage=04-03-2024.xlsx

This file contains the outcomes against DNB's NIPE inflation forecast for the full sample (2010M1–2023M12). The workbook contains 10 sheets, one for each of the 10 horizons, named "h = 1" until "h =10". The test results are shown for all models, where each row presents one model. The RMSE, OOSR2 and p_DM are shown in the columns for each inflation measure, i.e. HICP, HICPMEF, HICPNEIG and HICPS.

appendix_ref_model=M.RWD_sample=2019-01-01_vintage=04-03-2024.xlsx

This file contains the outcomes against the `RW.D` model for the pre-pandemic sample (2010M1–2019M12). The workbook contains 12 sheets, one for each of the 12 horizons, named "h = 1" until "h =12". The test results are shown for all models, where each row presents one model. The RMSE, OOSR2 and p_DM are shown in the columns for each inflation measure, i.e. HICP, HICPMEF, HICPNEIG and HICPS.

appendix_ref_model=NIPE.RR_sample=2019-01-01_vintage=04-03-2024.xlsx

This file contains the outcomes against DNB's NIPE inflation forecast for the pre-pandemic sample (2010M1–2019M12). The workbook contains 10 sheets, one for each of the 10 horizons, named "h = 1" until "h =10". The test results are shown for all models, where each row presents one model. The RMSE, OOSR2 and p_DM are shown in the columns for each inflation measure, i.e. HICP, HICPMEF, HICPNEIG and HICPS.