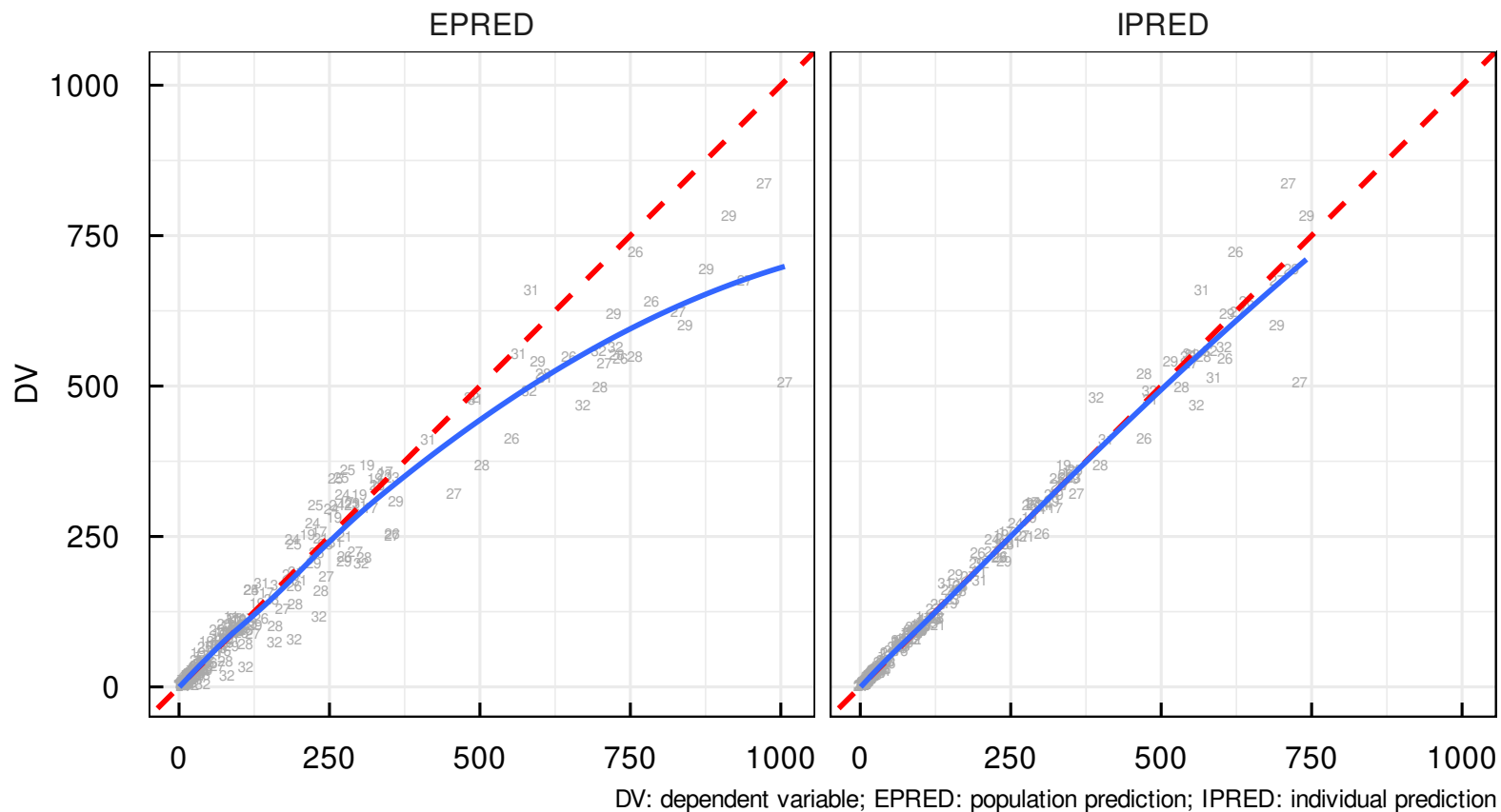


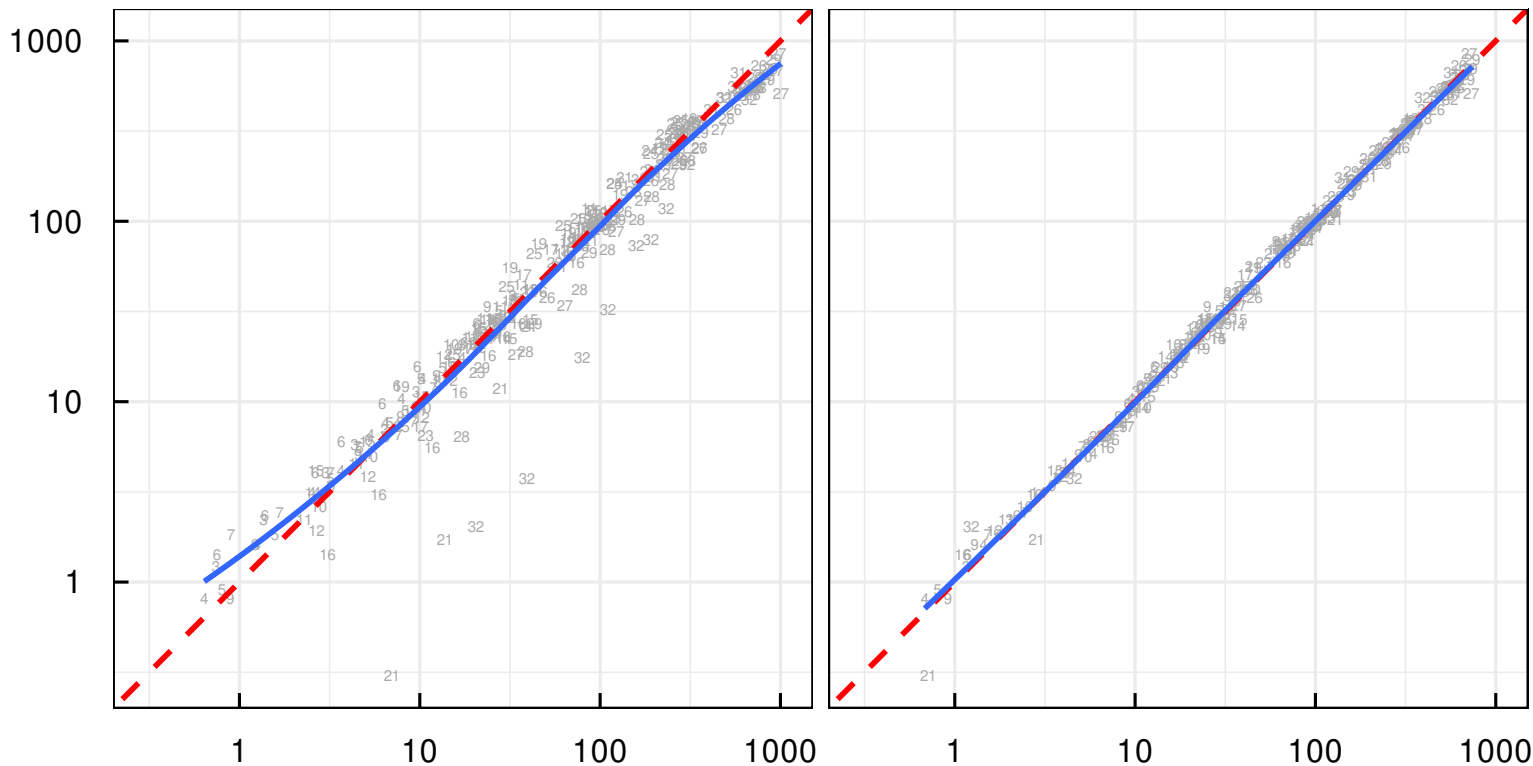
Output № 1: HS0815 Concentration [$\mu\text{g/mL}$]
Observation vs. Population and Individual Predictions
Linear Axes



Output № 1: HS0815 Concentration [ug/mL]
Observation vs. Population and Individual Predictions
Log Axes (zero values plotted on axis)

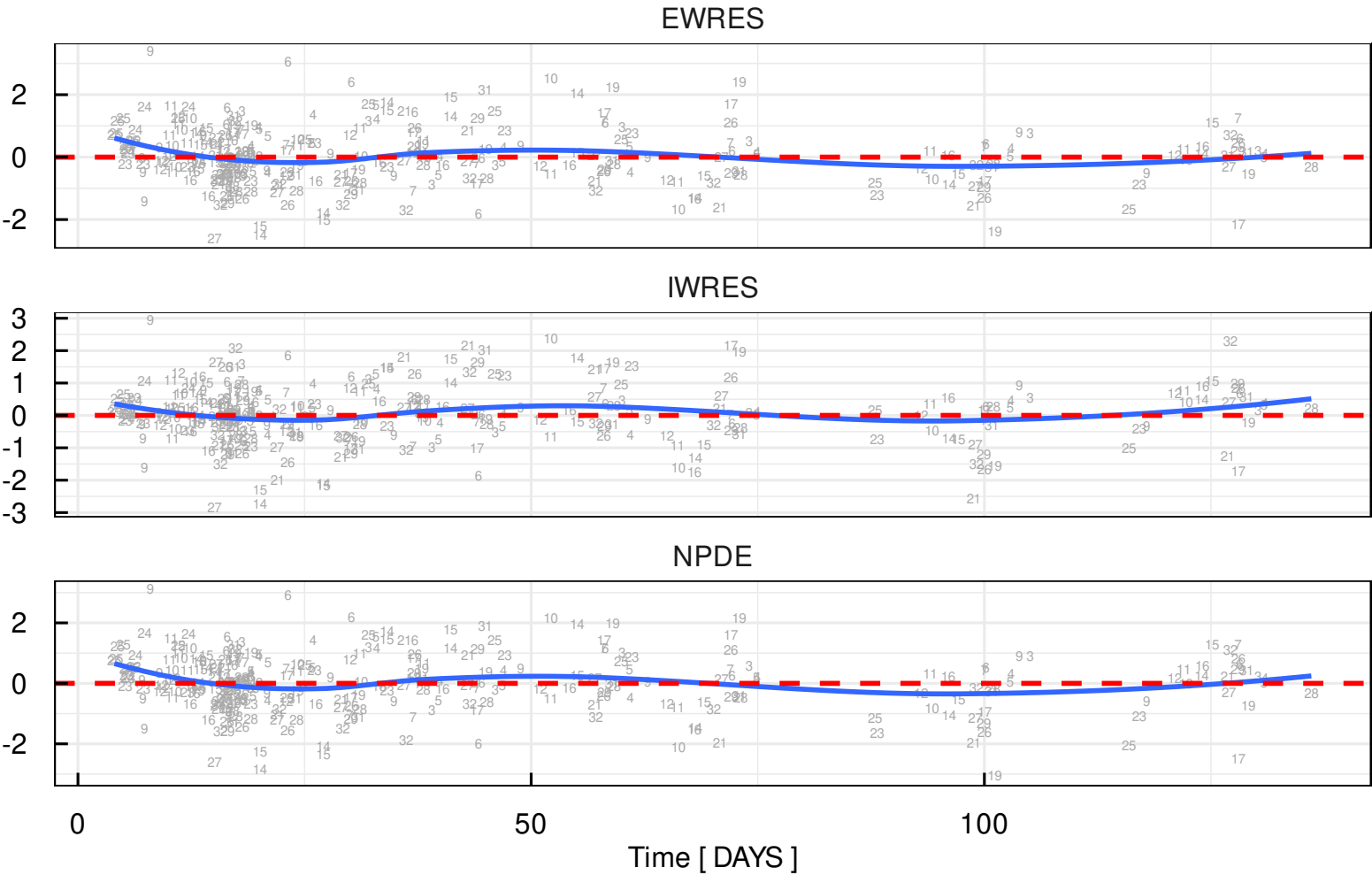
EPRED

IPRED



DV: dependent variable; EPRED: population prediction; IPRED: individual prediction

Output № 1: HS0815 Concentration [ug/mL]
Weighted Individual and Population Residuals and NPDE vs. Time



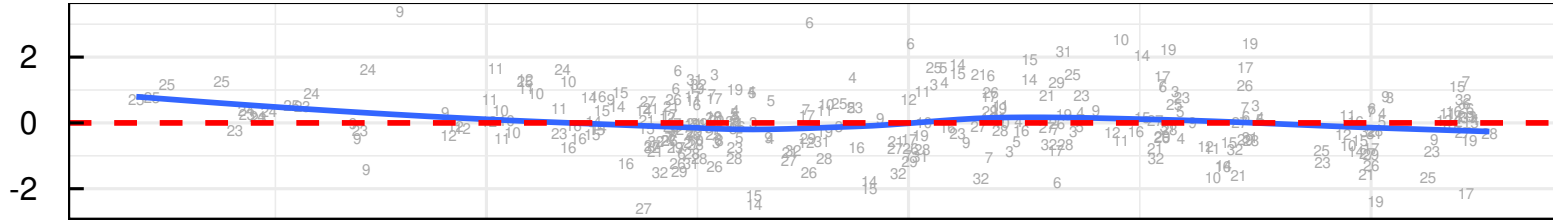
EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

Output № 1: HS0815 Concentration [ug/mL]

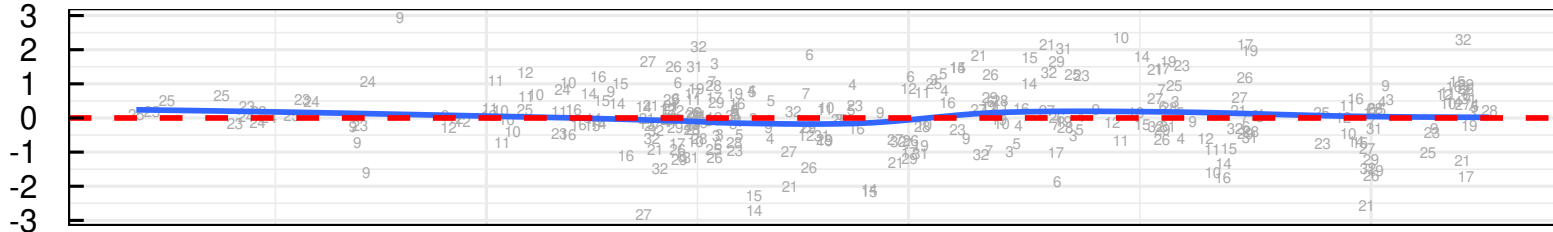
Weighted Individual and Population Residuals and NPDE vs. Time

Log TIME axis (values for time = 0 plotted on axis)

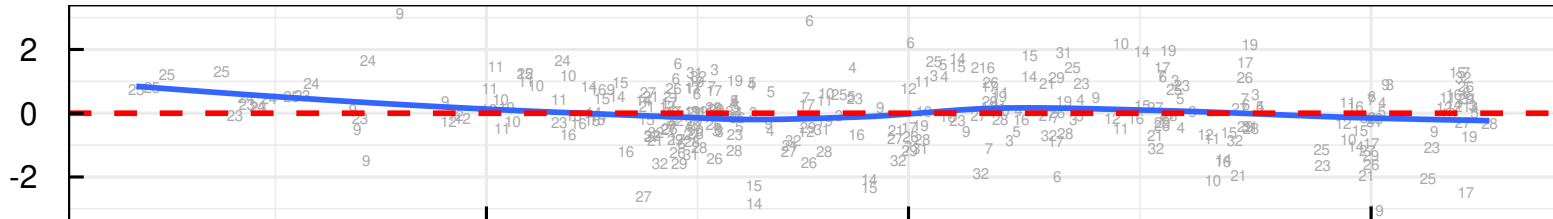
EWRES



IWRES



NPDE



10

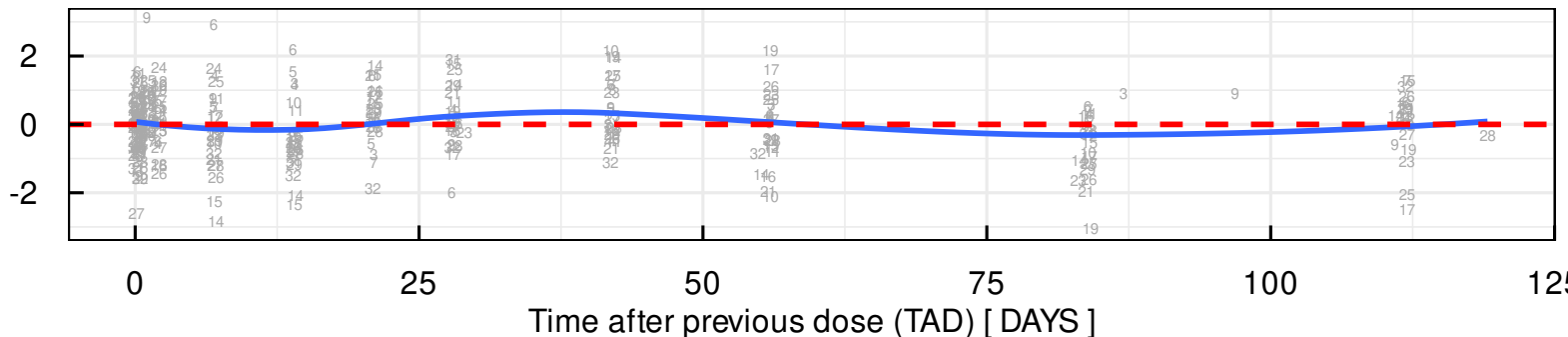
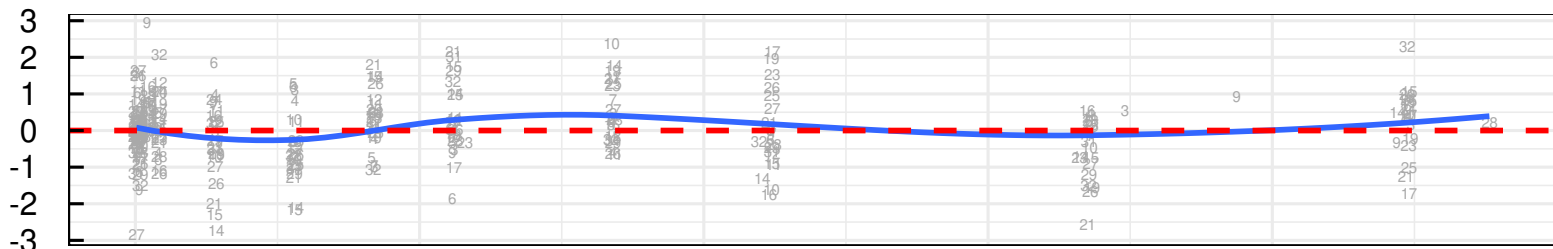
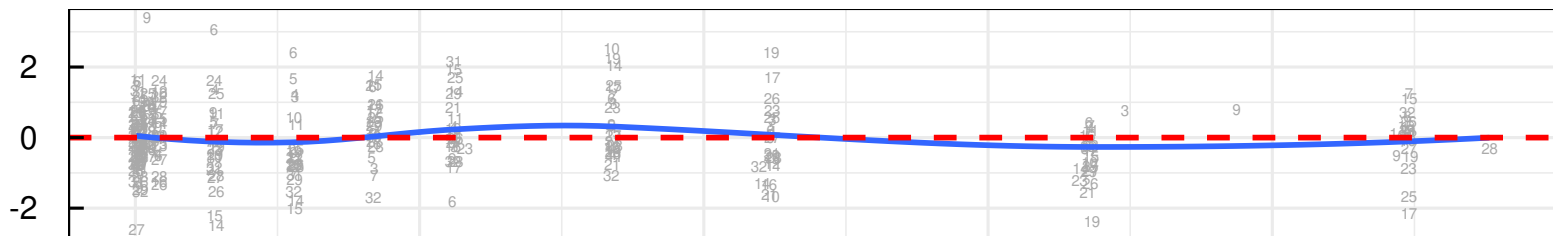
30

100

Time [DAYS]

EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

Output № 1: HS0815 Concentration [ug/mL]
Weighted Individual and Population Residuals and NPDE vs. TAD



EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

Weighted Individual and Population Residuals and NPDE vs. Population Prediction

The graph illustrates the projected increase in the population aged 65 and over in the United Kingdom. The solid blue line represents the historical population, while the dashed red line represents the projected population from 2017 onwards. The population is expected to grow from approximately 4.5 million in 1992 to about 7.5 million by 2027.

Year	Population (millions)
1992	4.5
1993	4.6
1994	4.7
1995	4.8
1996	4.9
1997	5.0
1998	5.1
1999	5.2
2000	5.3
2001	5.4
2002	5.5
2003	5.6
2004	5.7
2005	5.8
2006	5.9
2007	6.0
2008	6.1
2009	6.2
2010	6.3
2011	6.4
2012	6.5
2013	6.6
2014	6.7
2015	6.8
2016	6.9
2017	7.0
2018	7.1
2019	7.2
2020	7.3
2021	7.4
2022	7.5
2023	7.6
2024	7.7
2025	7.8
2026	7.9
2027	8.0

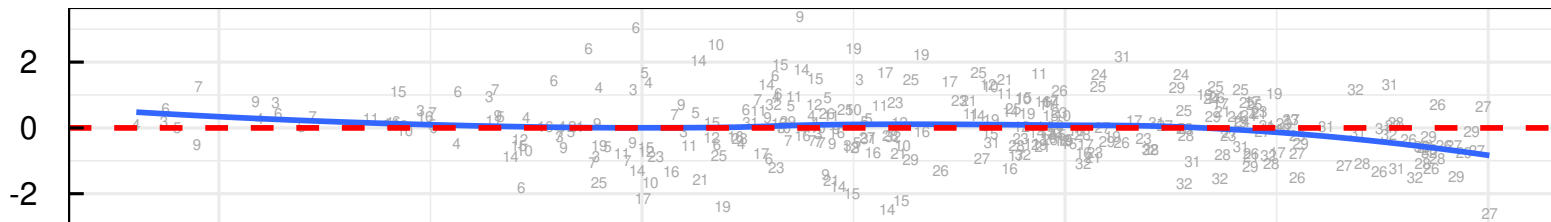
0 250 500 750 1000

Population prediction (EPRED) [ug/mL]

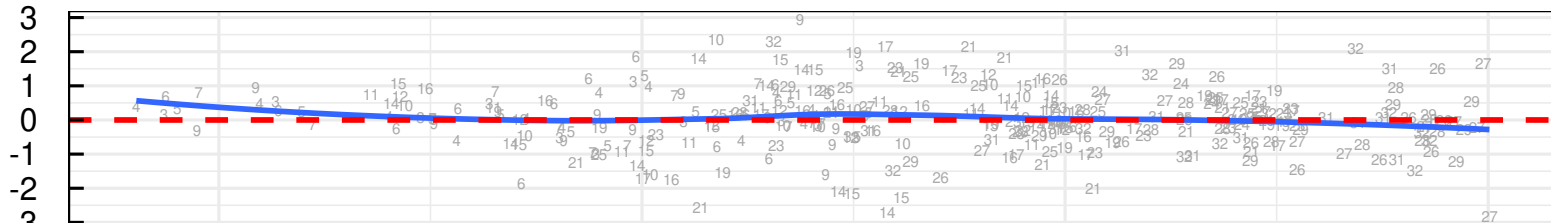
EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

Output № 1: HS0815 Concentration [ug/mL]
Weighted Individual and Population Residuals and NPDE vs. Population Prediction
Log Prediction axis (values for prediction = 0 plotted on axis)

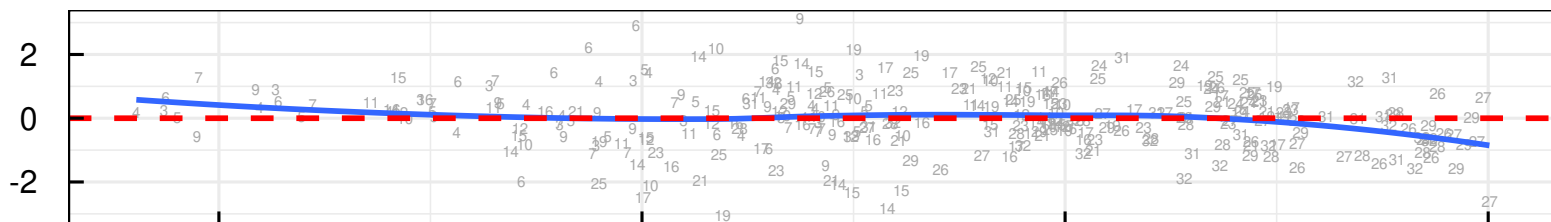
EWRES



IWRES



NPDE



1

10

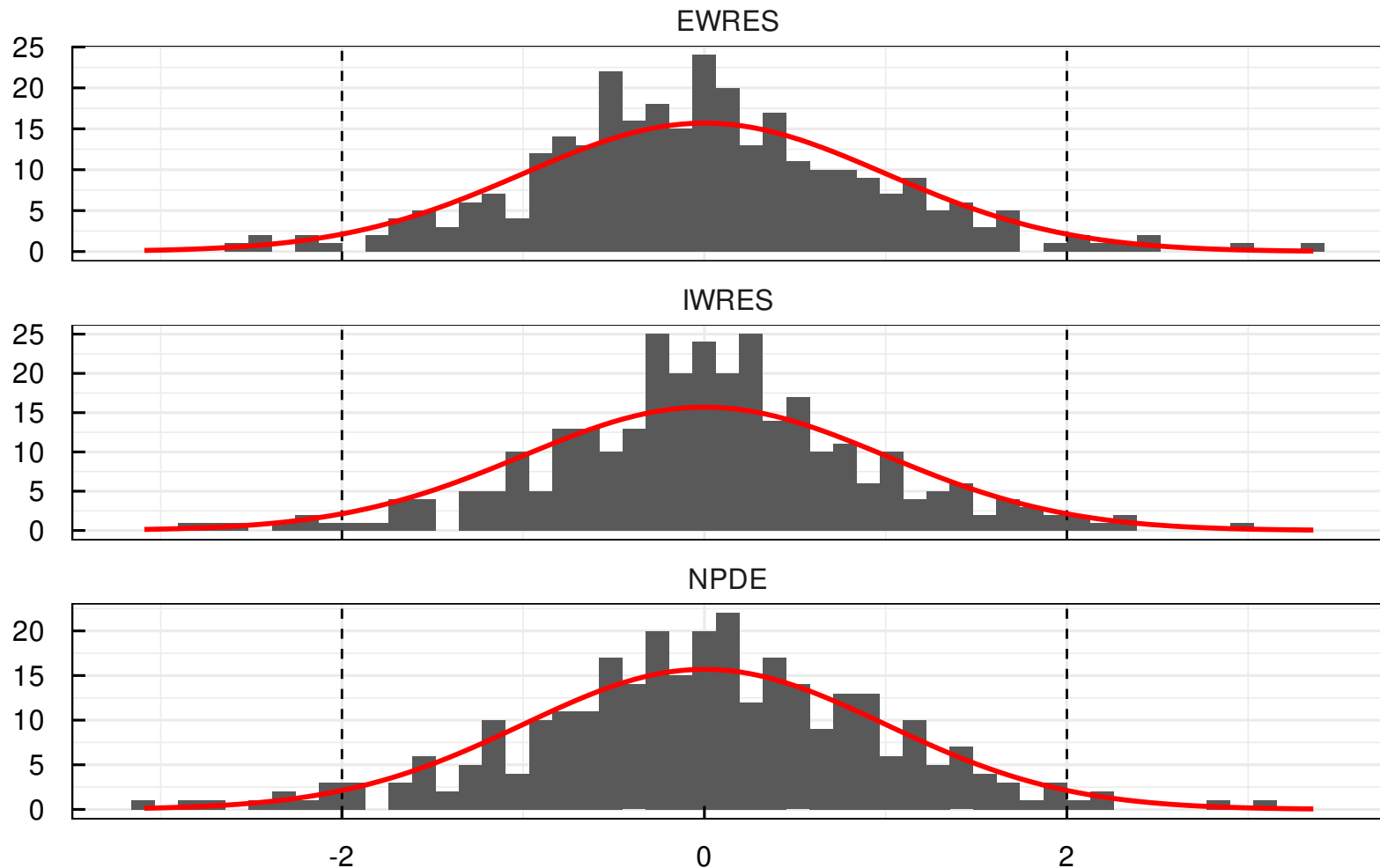
100

1000

Population prediction (EPRED) [ug/mL]

EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

Output № 1: HS0815 Concentration [ug/mL]
Histograms of Residuals compared to Standard Normal

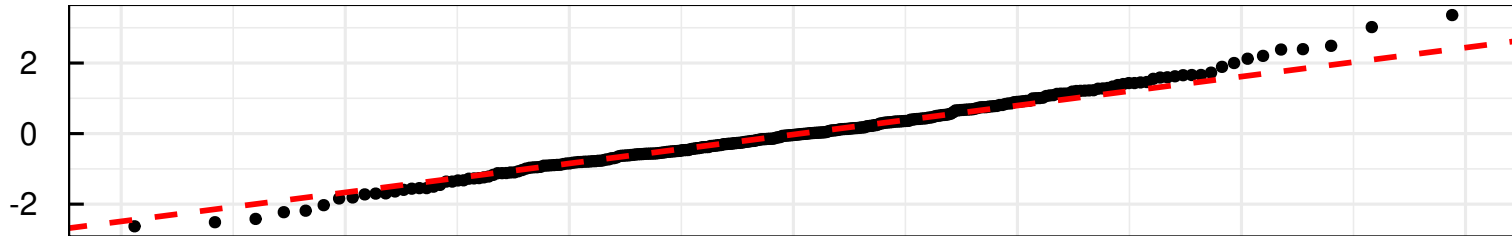


EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error

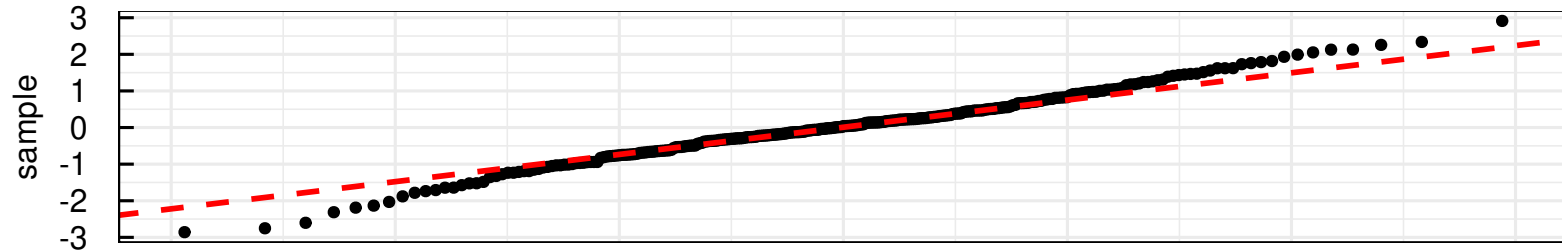
Output № 1: HS0815 Concentration [$\mu\text{g/mL}$]

QQ-Plots of Residuals

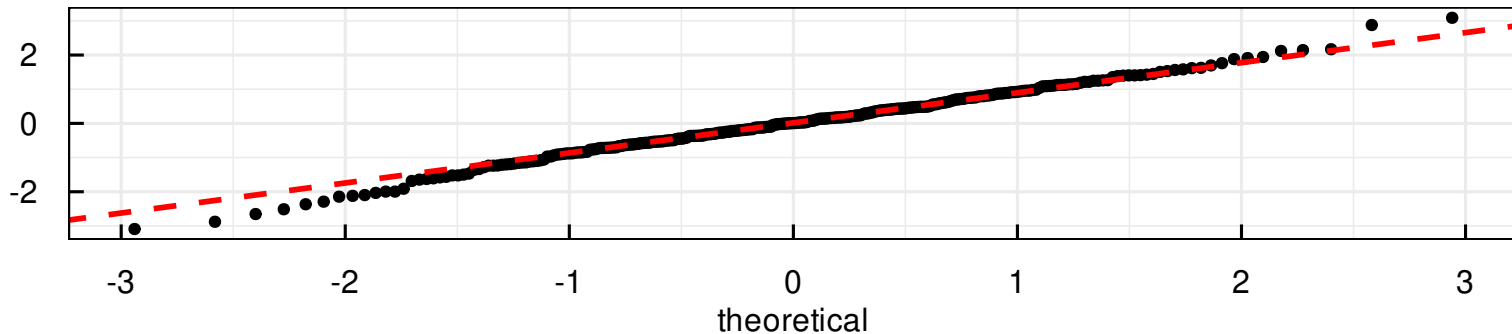
EWRES



IWRES



NPDE



EWRES: population weighted residuals; IWRES: individual weighted residuals;
NPDE: normalized prediction distribution error