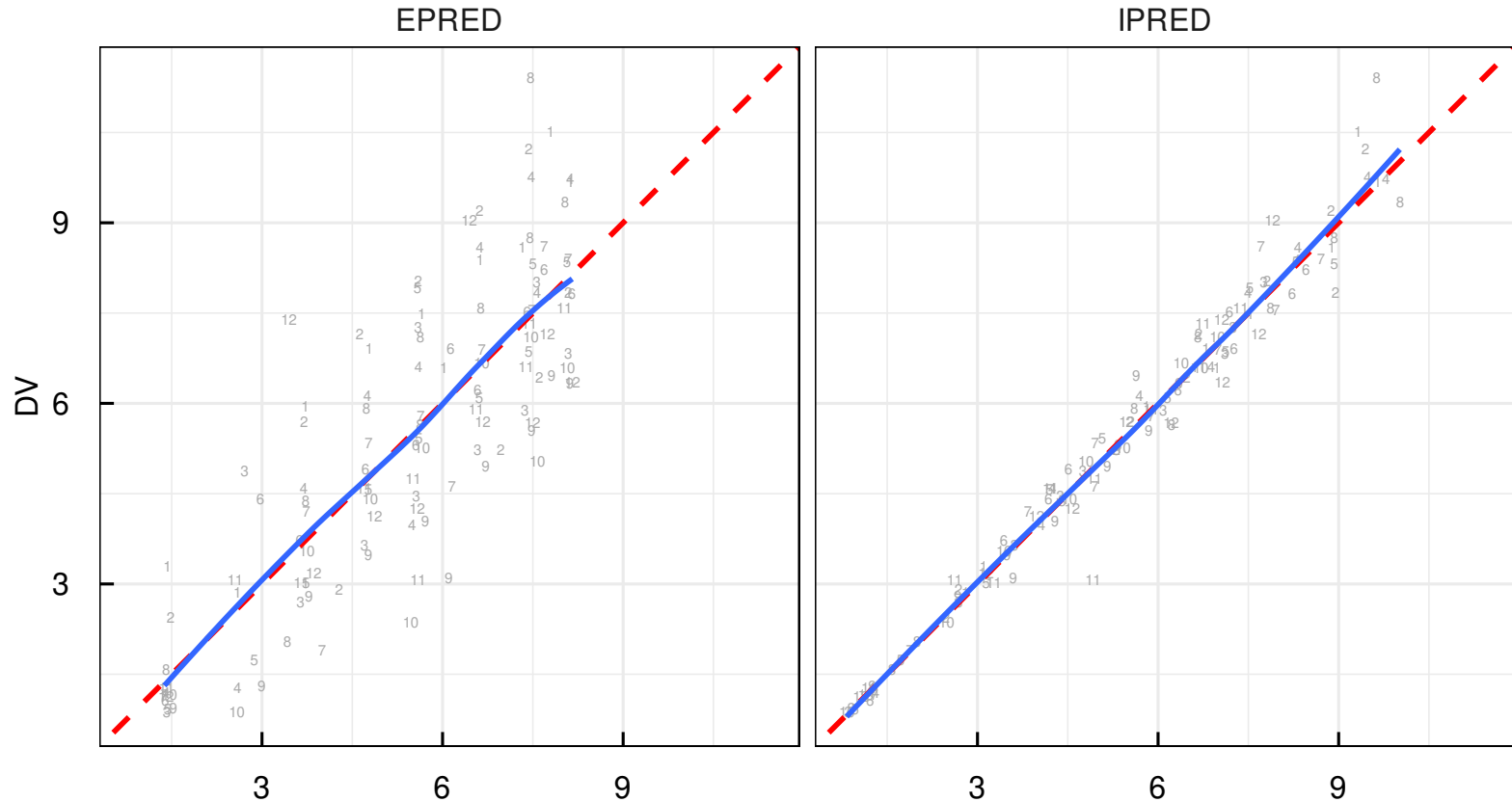


# Output № 1: Theophylline Concentration [ug/ml]

## Observation vs. Population and Individual Predictions

Linear Axes

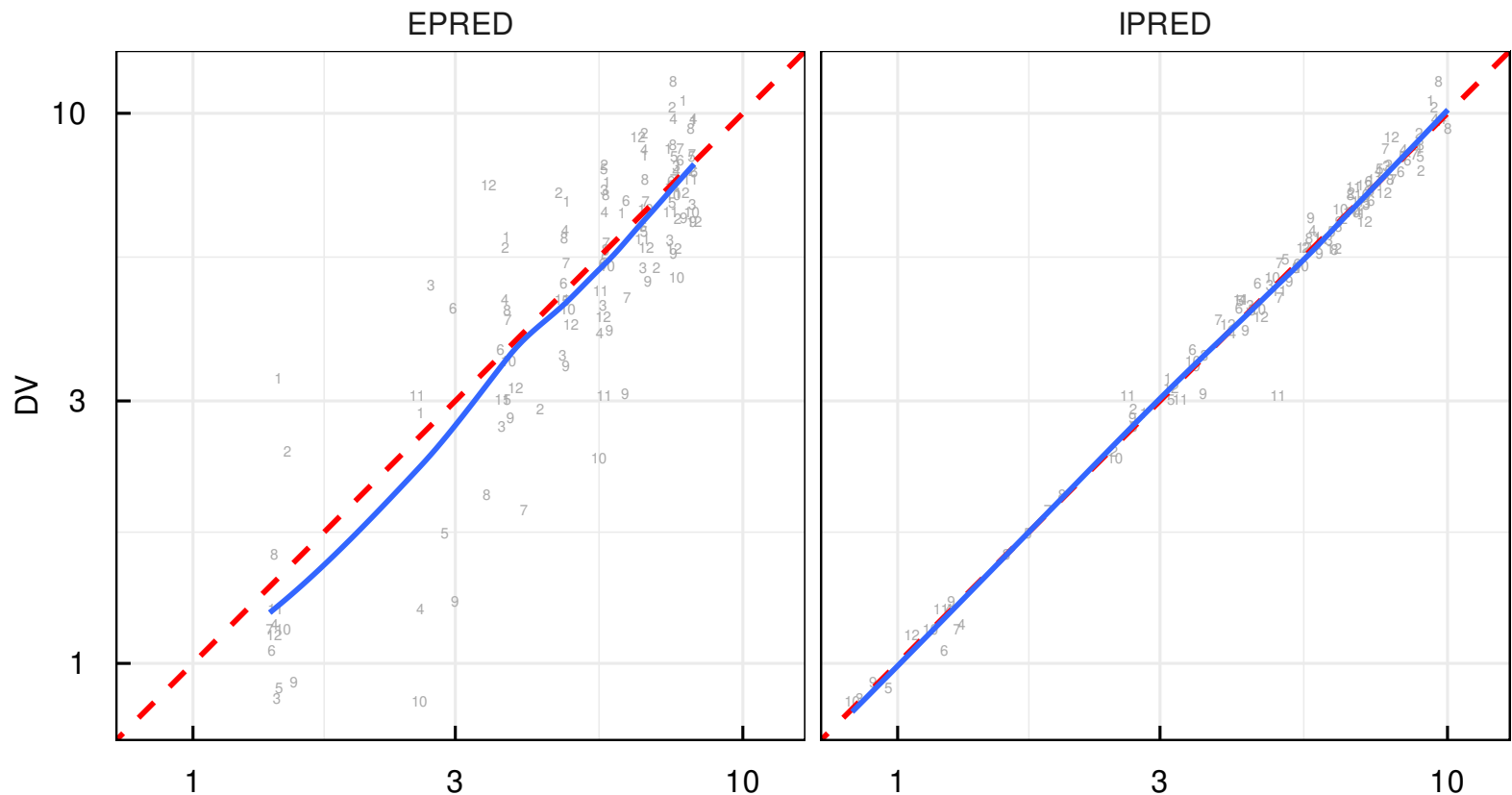


DV: dependent variable; EPRED: population prediction; IPRED: individual prediction

# Output № 1: Theophylline Concentration [ug/ml]

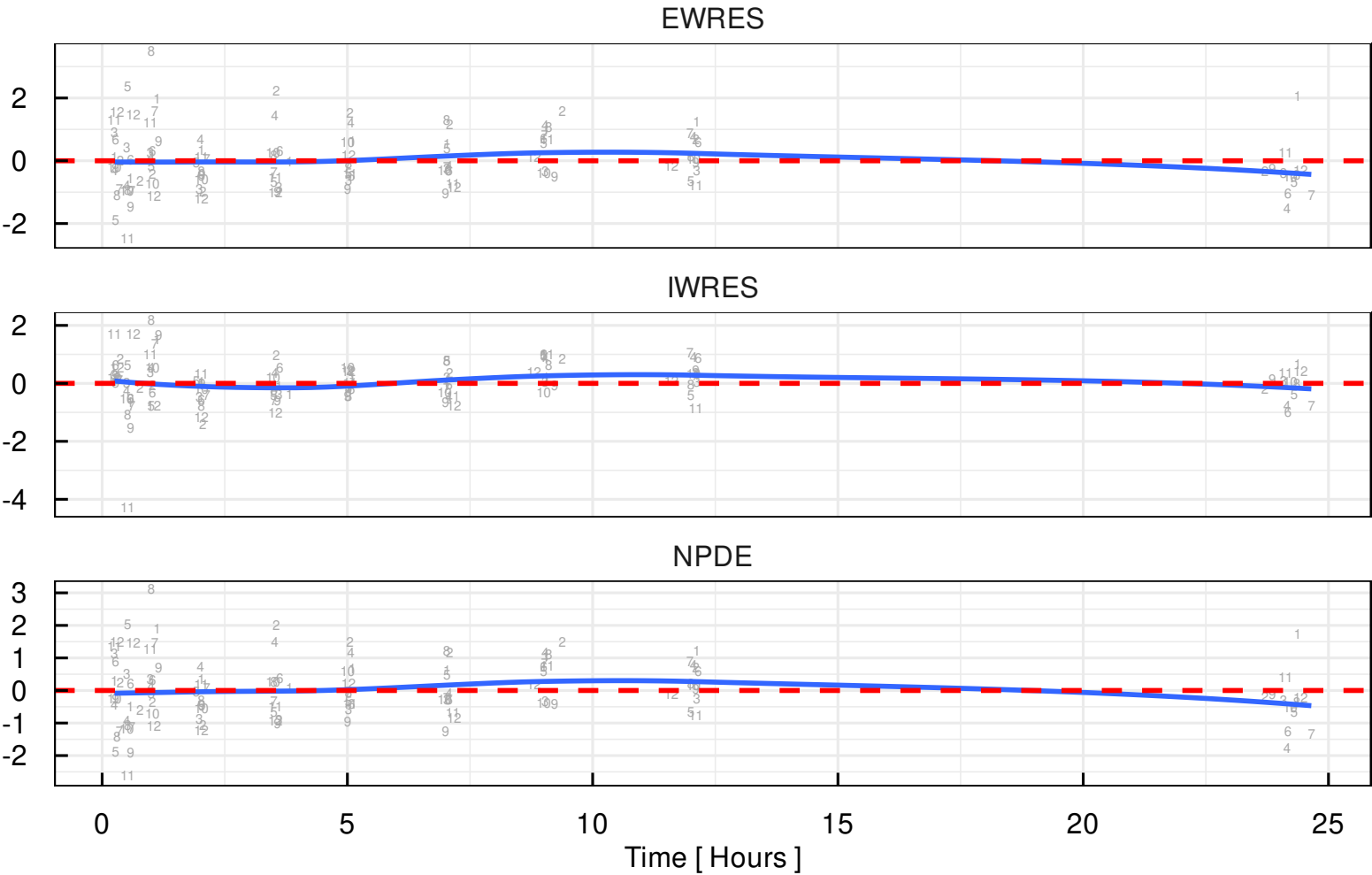
## Observation vs. Population and Individual Predictions

Log Axes (zero values plotted on axis)



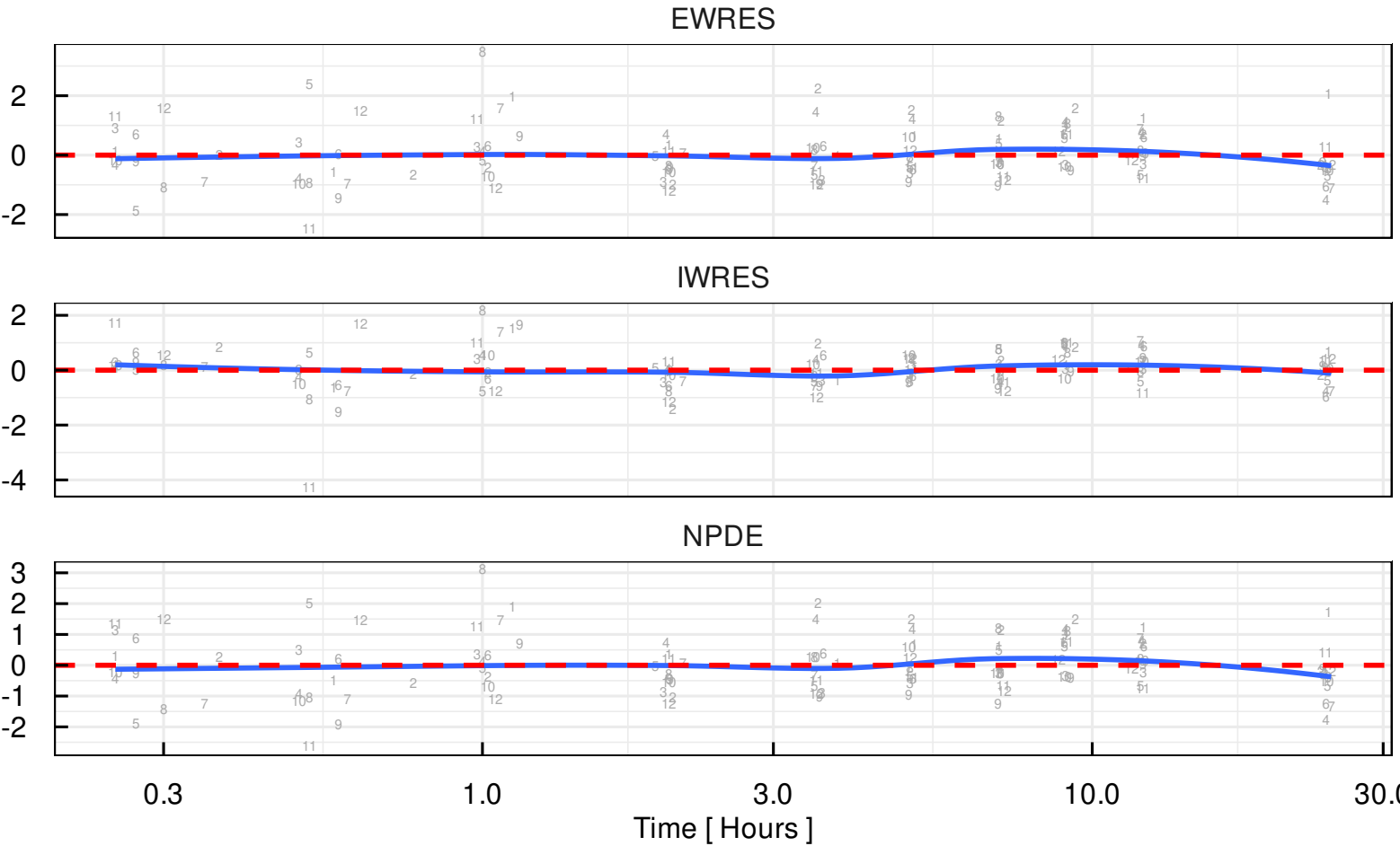
DV: dependent variable; EPRED: population prediction; IPRED: individual prediction

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



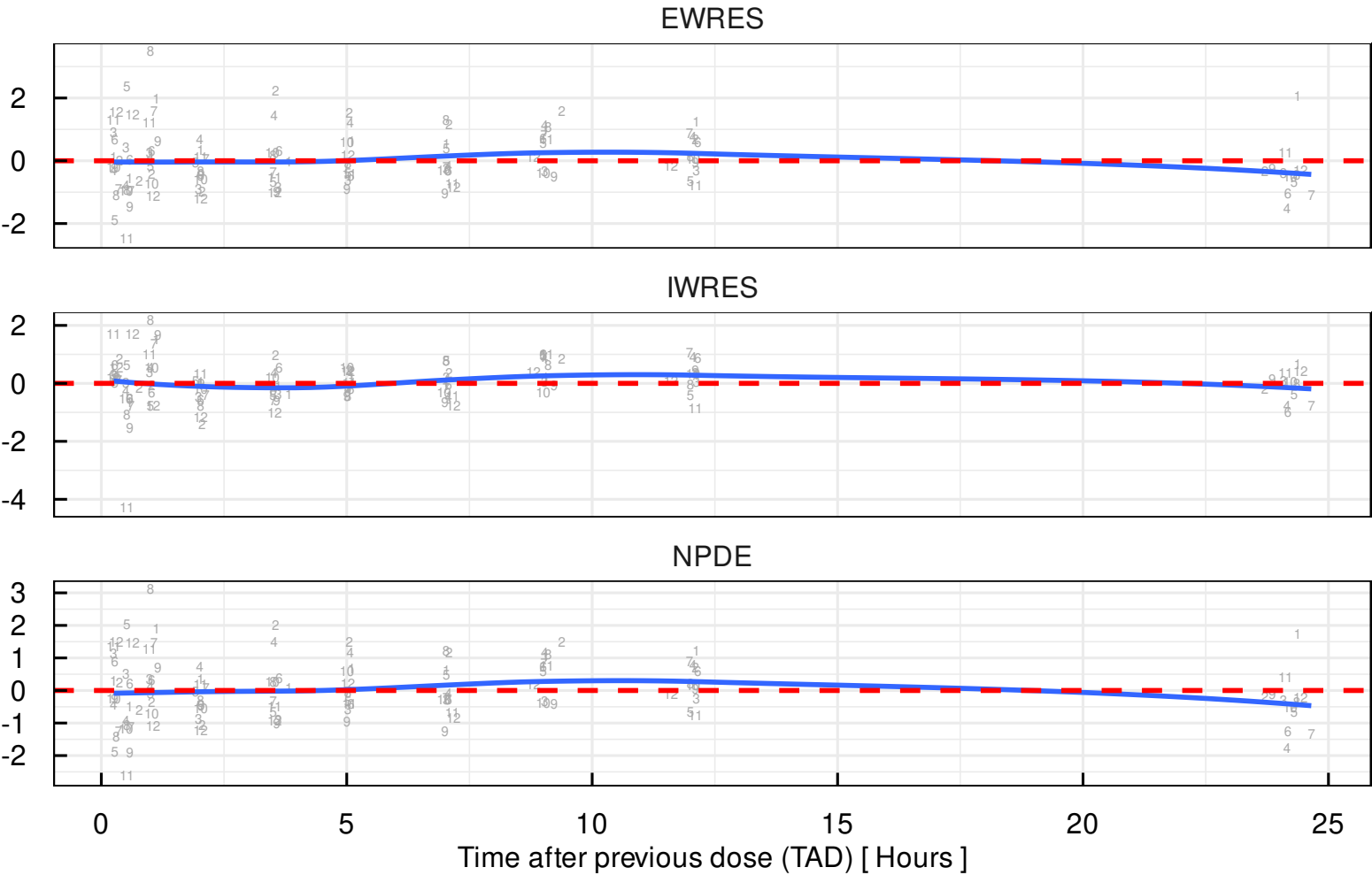
EWRES: population weighted residuals; IWRES: individual weighted residuals;  
NPDE: normalized prediction distribution error

Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. Time  
Log TIME axis (values for time = 0 plotted on axis)



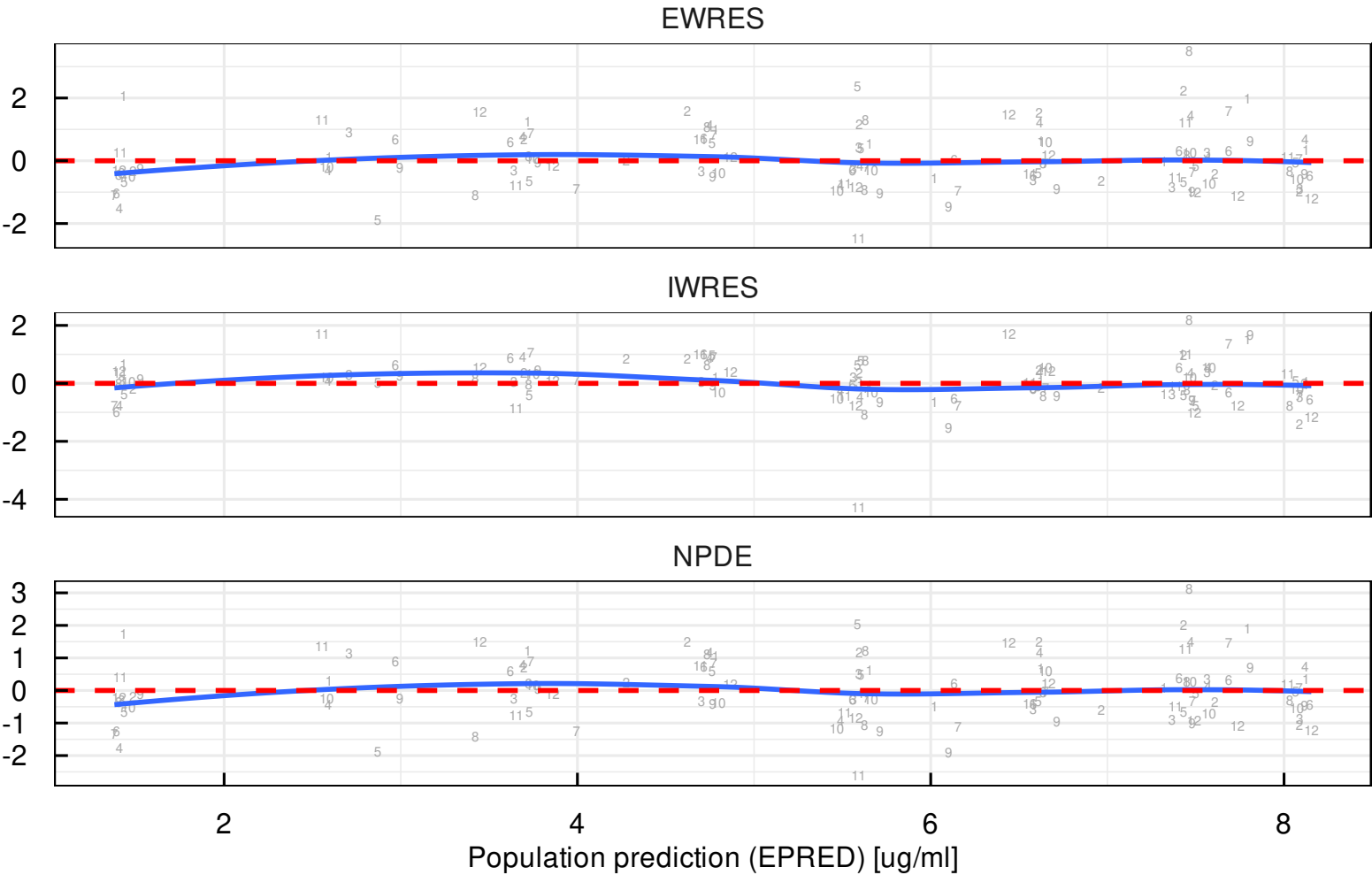
EWRES: population weighted residuals; IWRES: individual weighted residuals;  
NPDE: normalized prediction distribution error

Output № 1: Theophylline 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

Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. Population Prediction



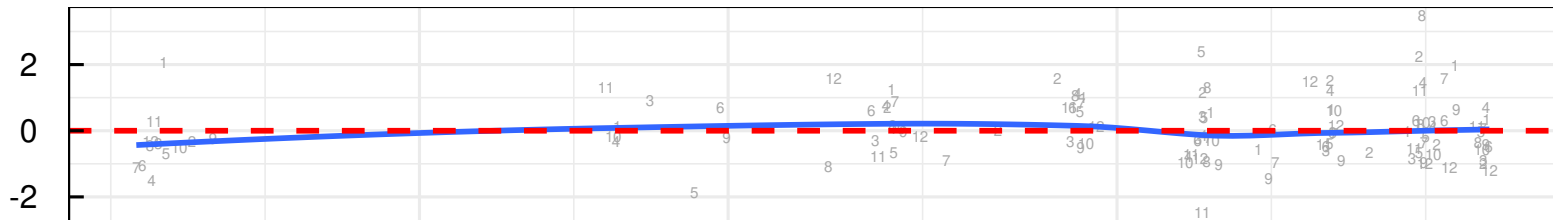
EWRES: population weighted residuals; IWRES: individual weighted residuals;  
NPDE: normalized prediction distribution error

# Output № 1: Theophylline Concentration [ug/ml]

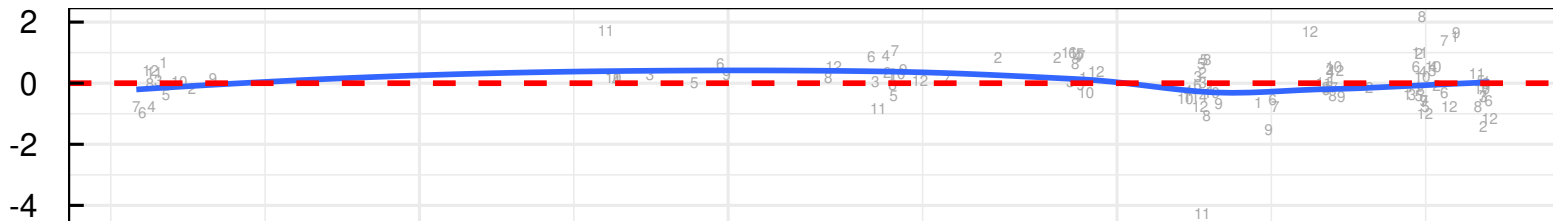
## Weighted Individual and Population Residuals and NPDE vs. Population Prediction

Log Prediction axis (values for prediction = 0 plotted on axis)

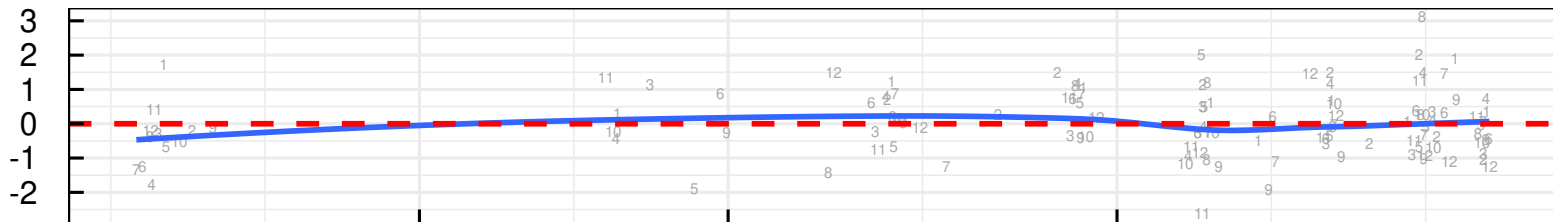
EWRES



IWRES



NPDE



2

3

5

Population prediction (EPRED) [ug/ml]

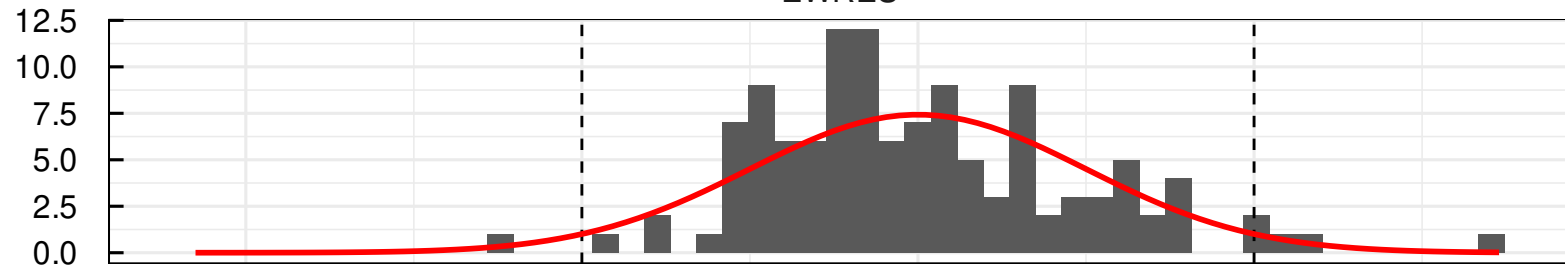
EWRES: population weighted residuals; IWRES: individual weighted residuals;

NPDE: normalized prediction distribution error

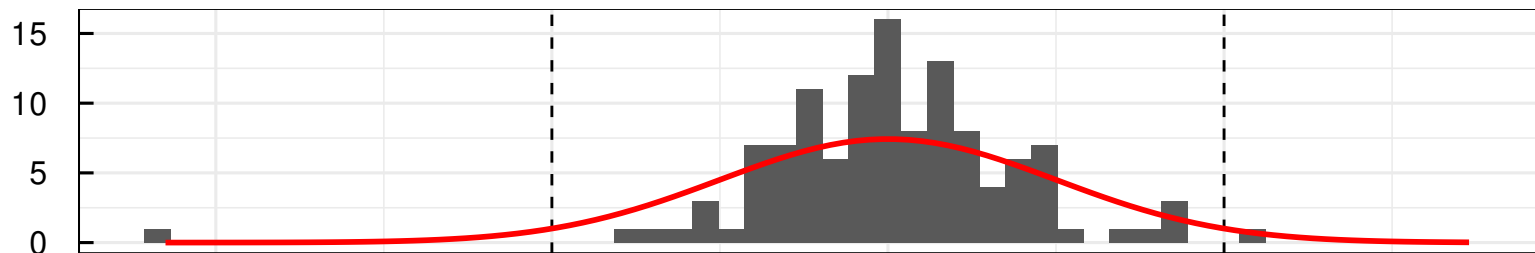
# Output № 1: Theophylline Concentration [ug/ml]

## Histograms of Residuals compared to Standard Normal

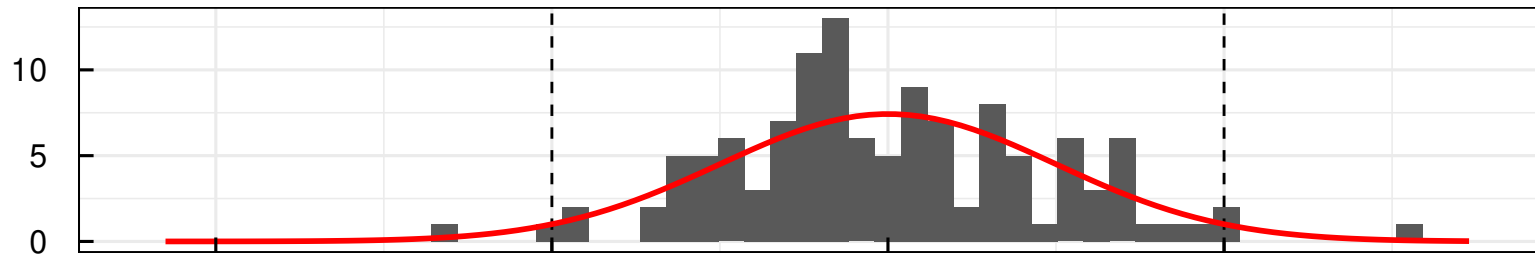
EWRES



IWRES



NPDE



-4

-2

0

2

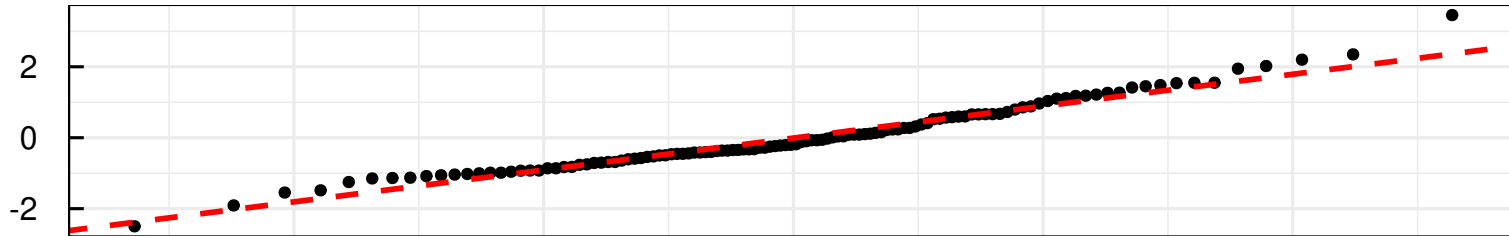
EWRES: population weighted residuals; IWRES: individual weighted residuals;  
NPDE: normalized prediction distribution error



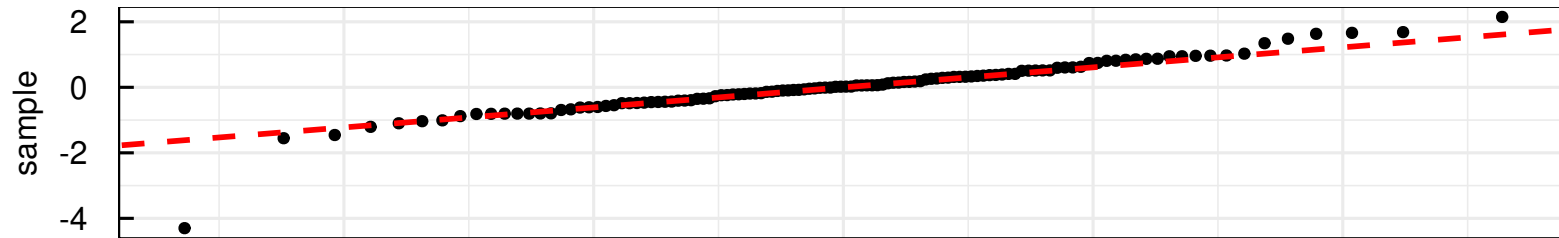
# Output № 1: Theophylline Concentration [ug/ml]

## QQ-Plots of Residuals

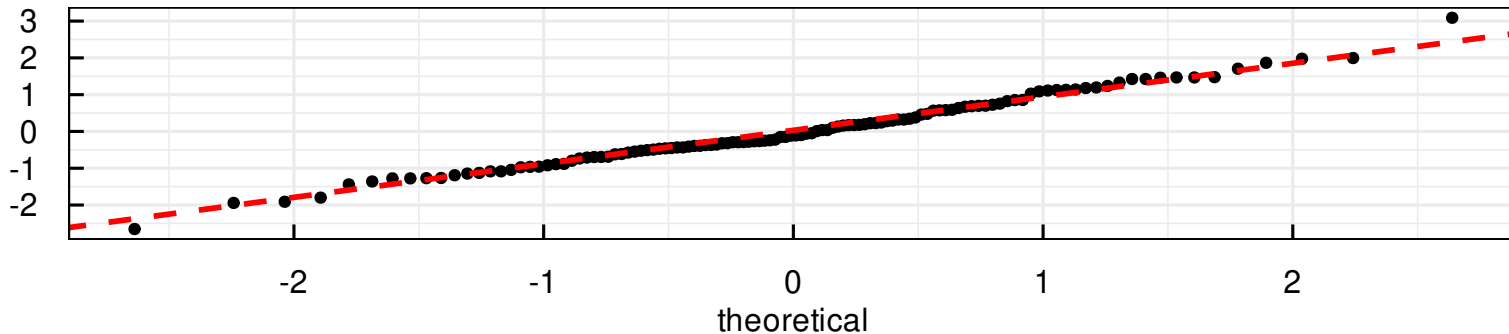
EWRES



IWRES



NPDE



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