

# Probabilistic Predictions

Designed by the UofA Water Group 2020

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## Metrics

Reliability	0.016	0.5%
Sharpness	0.396	20.6%
Bias	0.048	28.9%

## Parameters

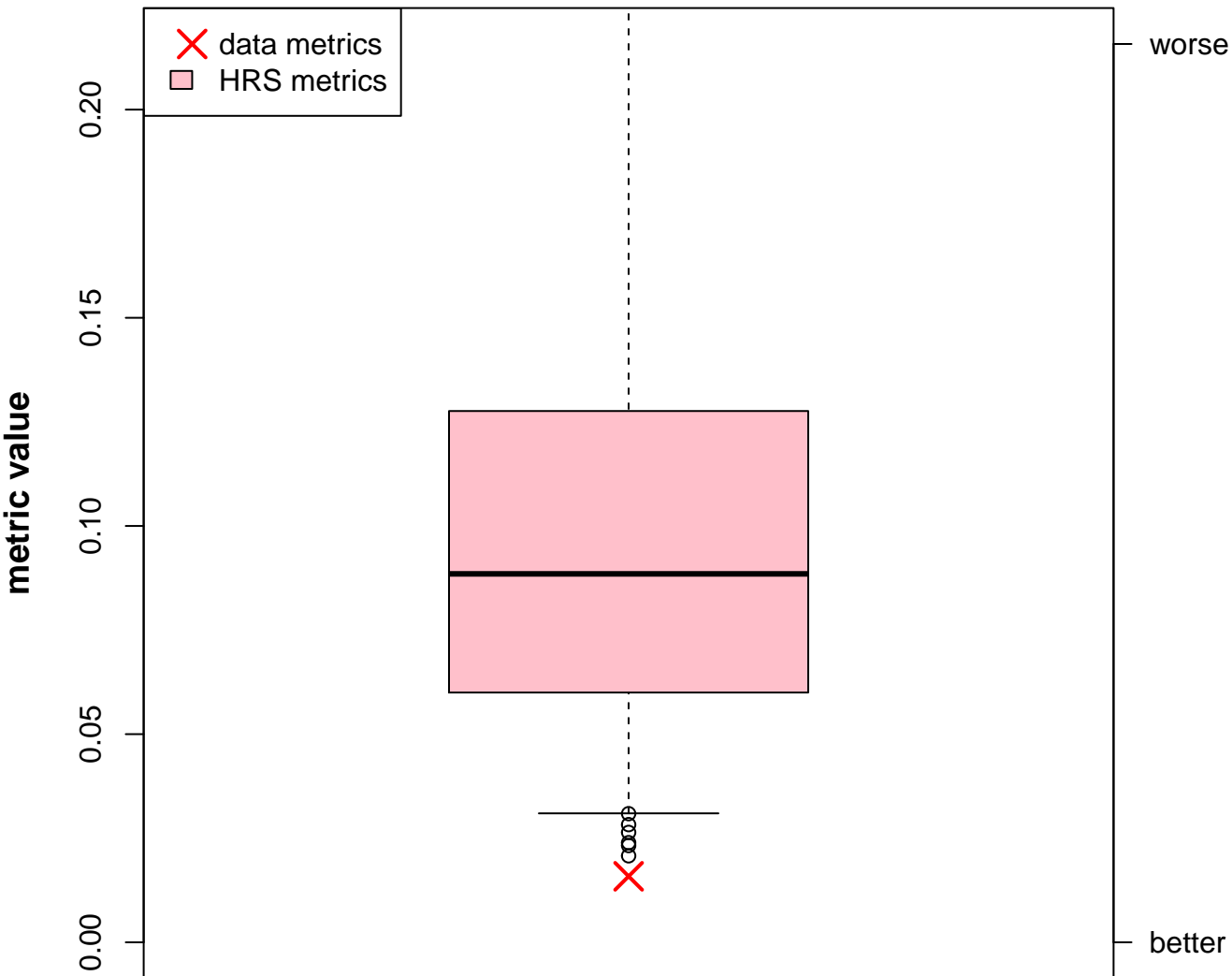
Offset (A)	0
Lambda	0.2
Mean intercept (alpha)	-0.006
Mean slope (beta)	-0.258
Lag-1 AR coeff. (phi)	0.693
Innovation sd. (sigma)	0.259

## Error check diagnostics

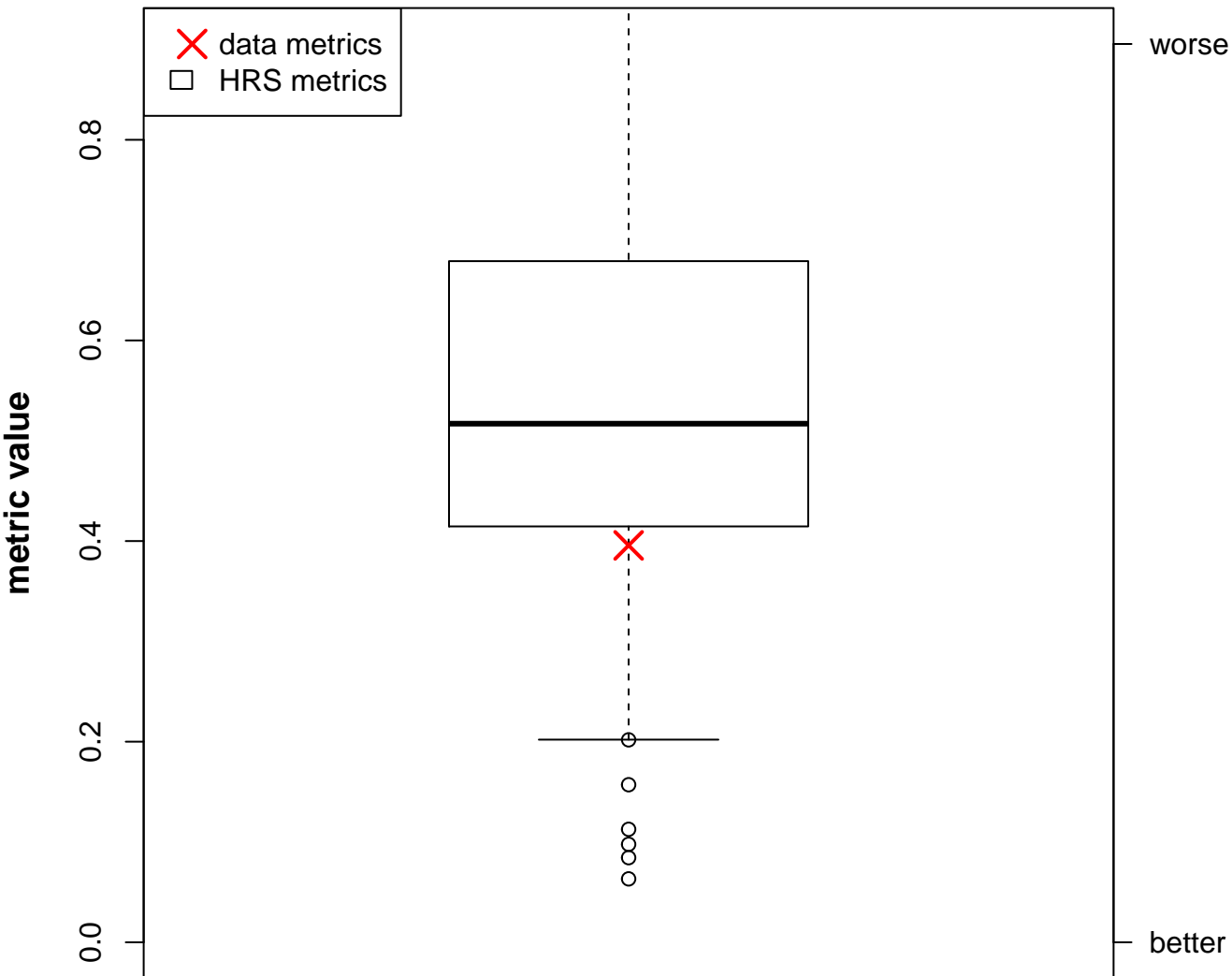
Zero flow check. No issues found!

Missing data check. No issues found!

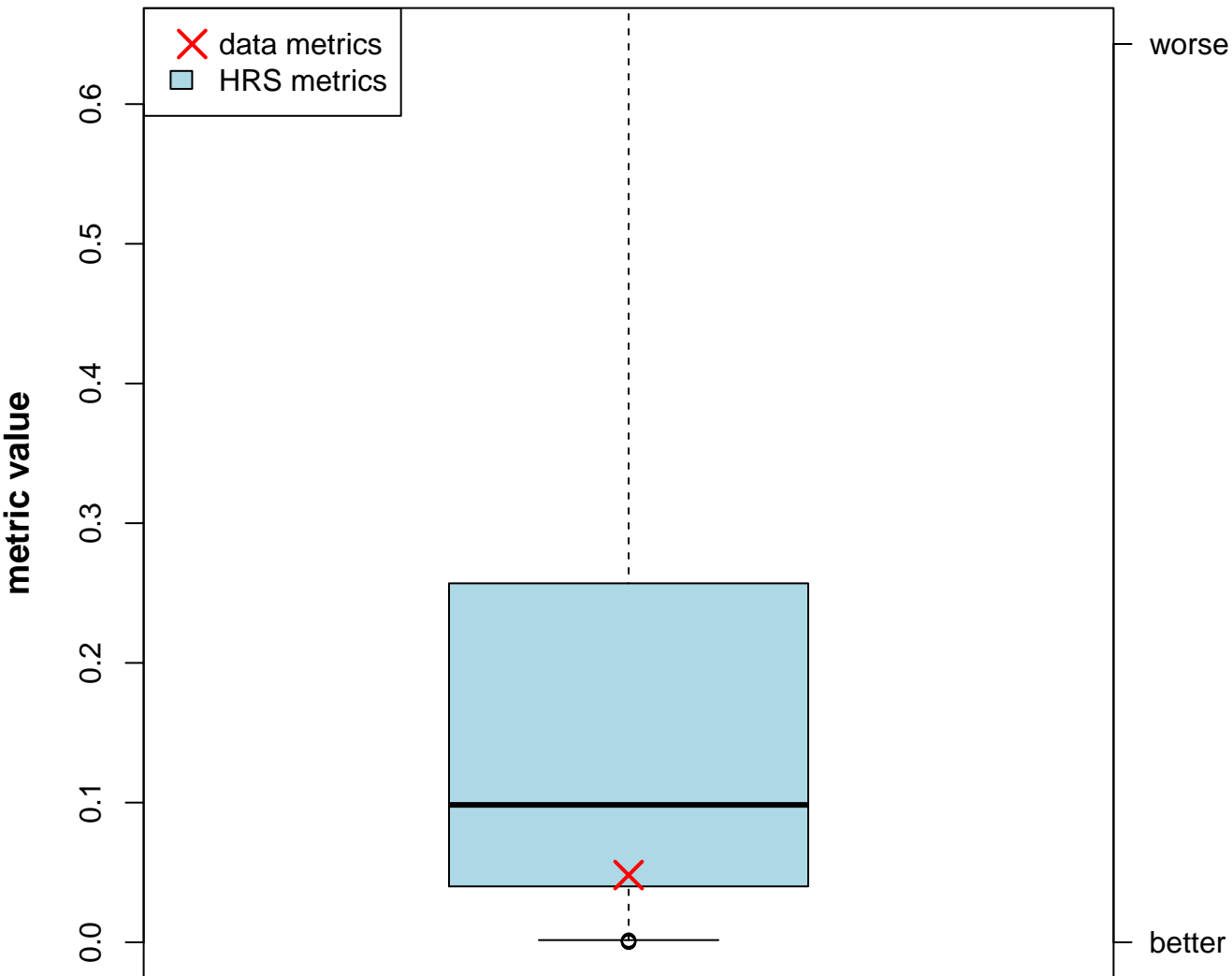
# reliability

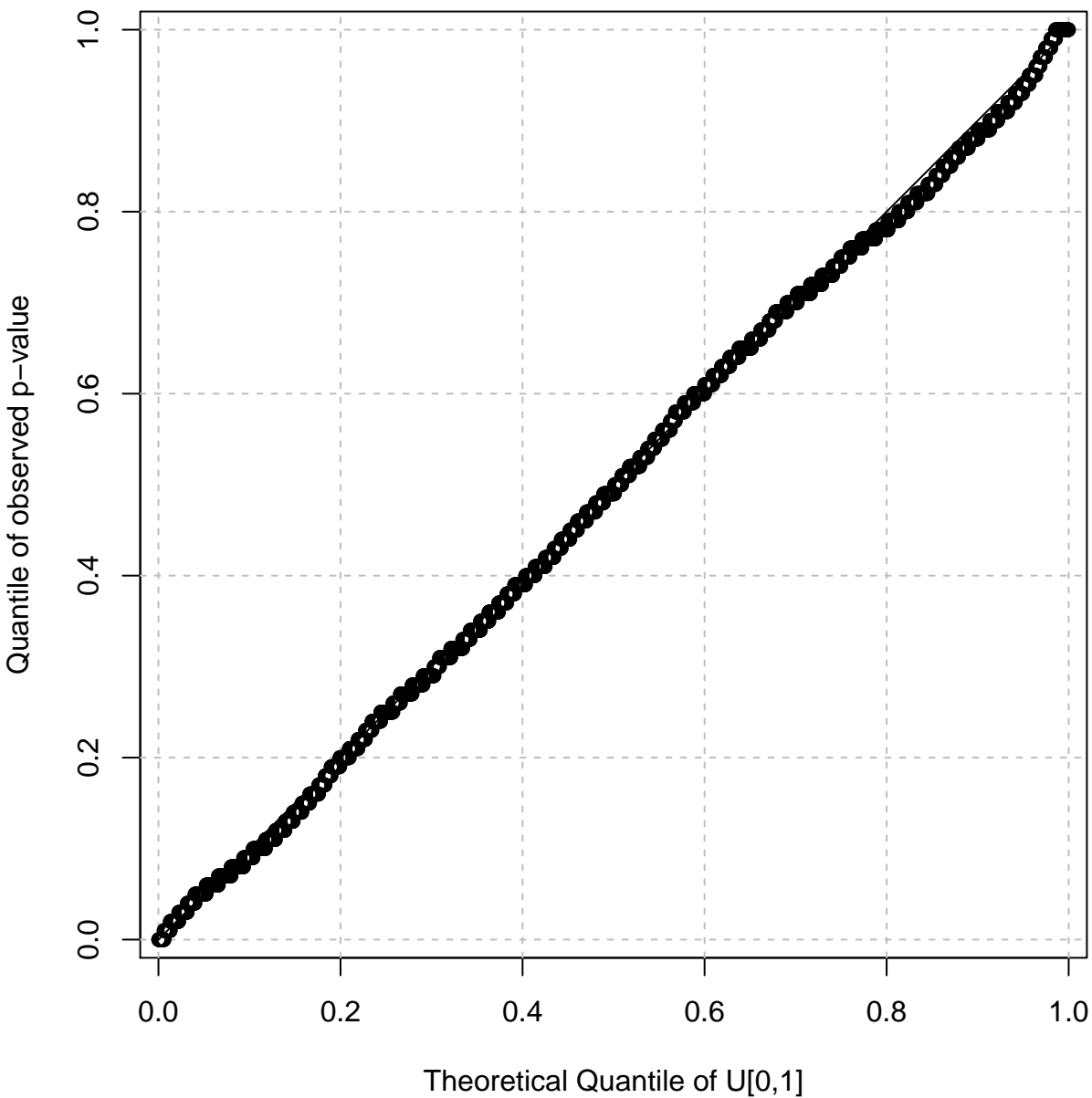


# sharpness

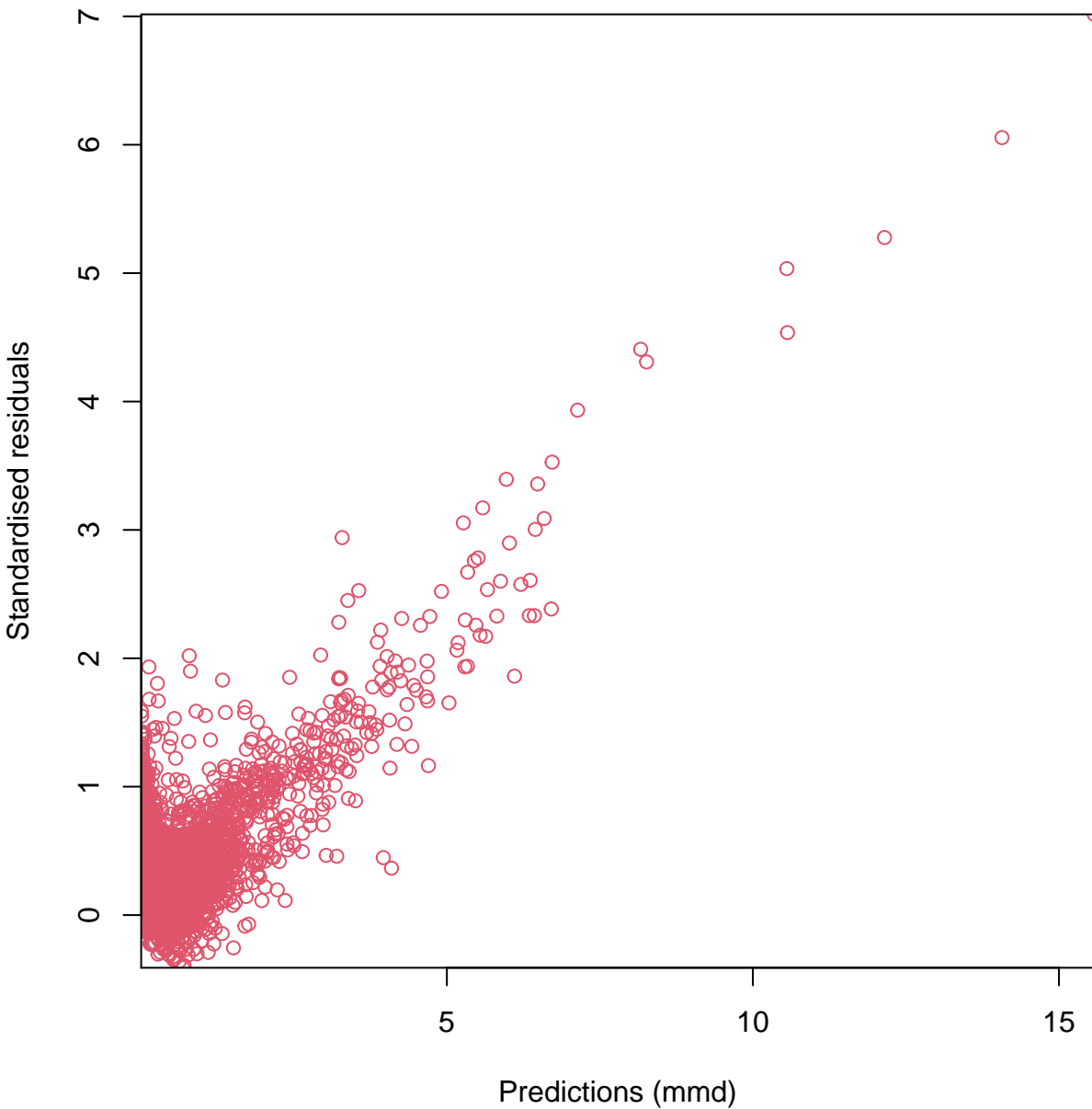


# bias

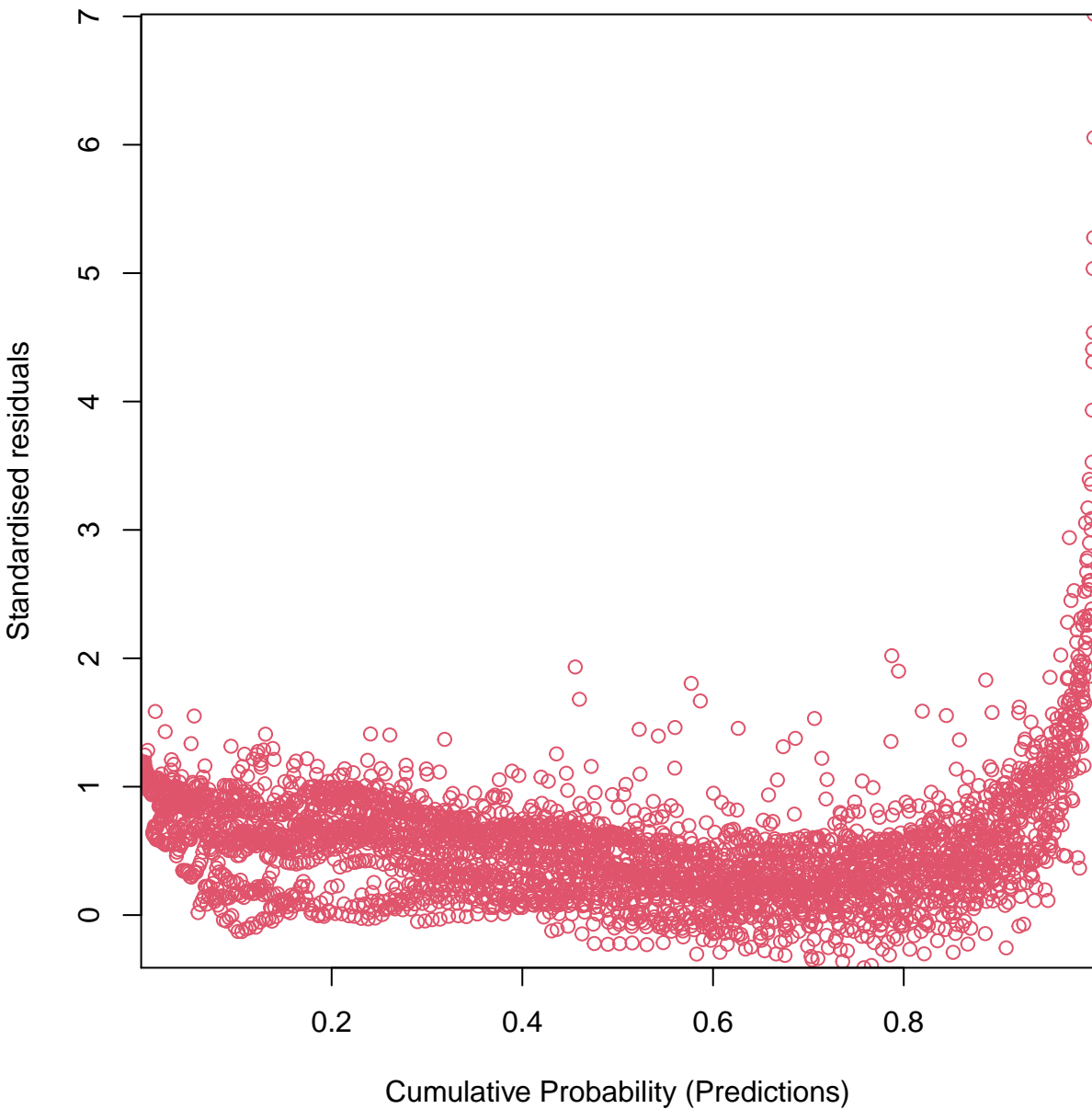




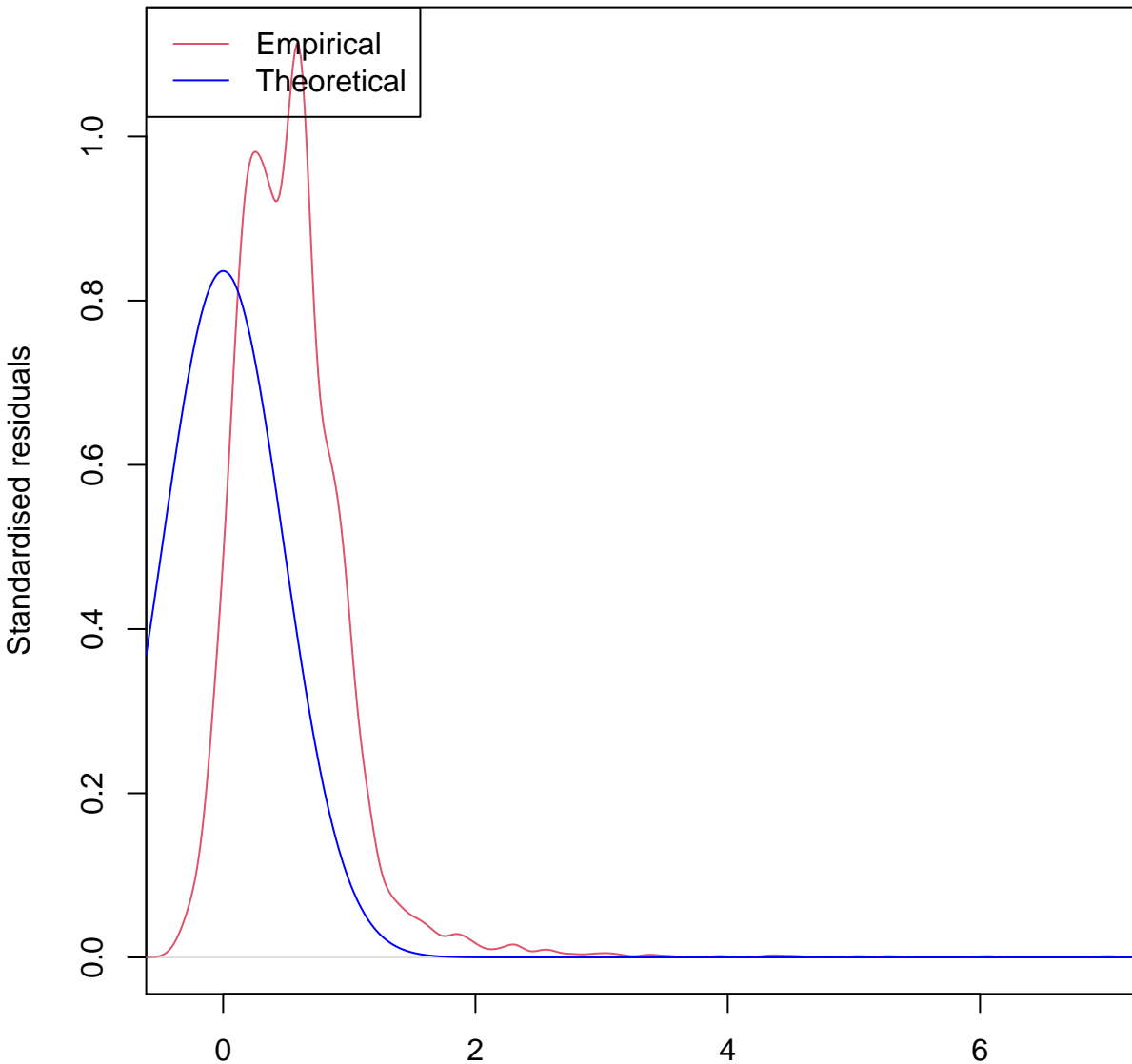
**Residuals against Predictions**



**Residuals against Prob(Predictions)**



# Density



: N=3650, Mean:0.54, SD:0.48, Skew:3.2, Ex. kurtosis:26



Transformed residuals and flow with moving statistics

