Tourism Data Analysis

Jan 2020

Log Transformation with 100 observations of training window (ME and MSE calculated over 140 replications)

R.method	Biased	Unbiased (Method 1)	Unbiased (Method 2)
Base	1.00	0.53	1.40
Bottom-up	1.76	0.64	2.72
MinT(Shrink)	0.74	0.51	1.10
OLS	0.51	0.39	0.66
WLS	1.21	0.58	1.74

R.method	Biased	Unbiased (Method 1)	Unbiased (Method 2)
Base	1.00	0.99	1.01
Bottom-up	1.42	1.18	1.80
MinT(Shrink)	0.97	0.93	1.03
OLS	0.97	0.96	0.98
WLS	1.08	0.98	1.21

BoxCox Transformation for $\lambda \in (-0.5, 2)$ with 100 observations of training window (ME and MSE calculated over 140 replications)

R.method	Biased	Unbiased (Method 1)	Unbiased (Method 2)
Base	1.00	0.63	1.37
Bottom-up	1.73	0.75	2.57
MinT(Shrink)	0.75	0.61	1.03
OLS	0.54	0.46	0.74
WLS	1.20	0.69	1.67

R.method	Biased	Unbiased (Method 1)	Unbiased (Method 2)
Base	1.00	0.98	1.04
Bottom-up	1.35	1.16	1.63
MinT(Shrink)	0.93	0.91	0.99
OLS	0.97	0.96	1.01
WLS	1.04	0.96	1.14