Tourism Data Analysis

31 July 2019

Log Transformation

R.method	Bias	Unbiased (Method 1)	Unbiased (Method 2)
Base	4.47	4.43	4.51
Bottom-up	6.36	5.26	8.06
MinT(Shrink)	4.32	4.16	4.61
OLS	4.34	4.31	4.36
WLS	4.82	4.38	5.43

BoxCox Transformation for $\lambda \in (0, 1)$

R.method	Bias	Unbiased (Method 1)	Unbiased (Method 2)
Base	4.49	4.45	4.52
Bottom-up	5.90	5.29	6.87
MinT(Shrink)	4.29	4.20	4.48
OLS	4.37	4.34	4.40
WLS	4.70	4.45	5.06

BoxCox Transformation for $\lambda \in (-0.5, 2)$

R.method	Bias	Unbiased (Method 1)	Unbiased (Method 2)
Base	4.58	4.52	4.77
Bottom-up	6.21	5.31	7.46
MinT(Shrink)	4.29	4.17	4.54
OLS	4.45	4.40	4.63
WLS	4.76	4.42	5.23