Time Series Regression Model of Unemployment

Red Team

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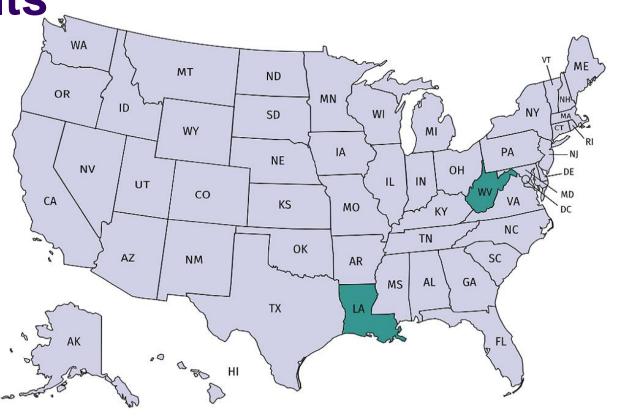
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Results





State	Point Estimate	Lower Bound	Upper Bound	Actual	Difference
Louisiana	5.1447	4.2071	6.0823	4.0	.2071
West Virginia	5.2417	4.3044	6.1790	6.4	.2210

Building of the Model



$$\widehat{UER}_{ijk} = JP_{i(j-1)} + UER_{i(j-1)} + S_i + \varepsilon_{ijk}$$

UER: Unemployment Rate

JP: Job Postings

S: State

 $R^2 = .8219$ $R^2_{adj} = .8067$ i: ith State

j: jth Month

k: *k*th Observation