

Brown Shrimp EDM Testing

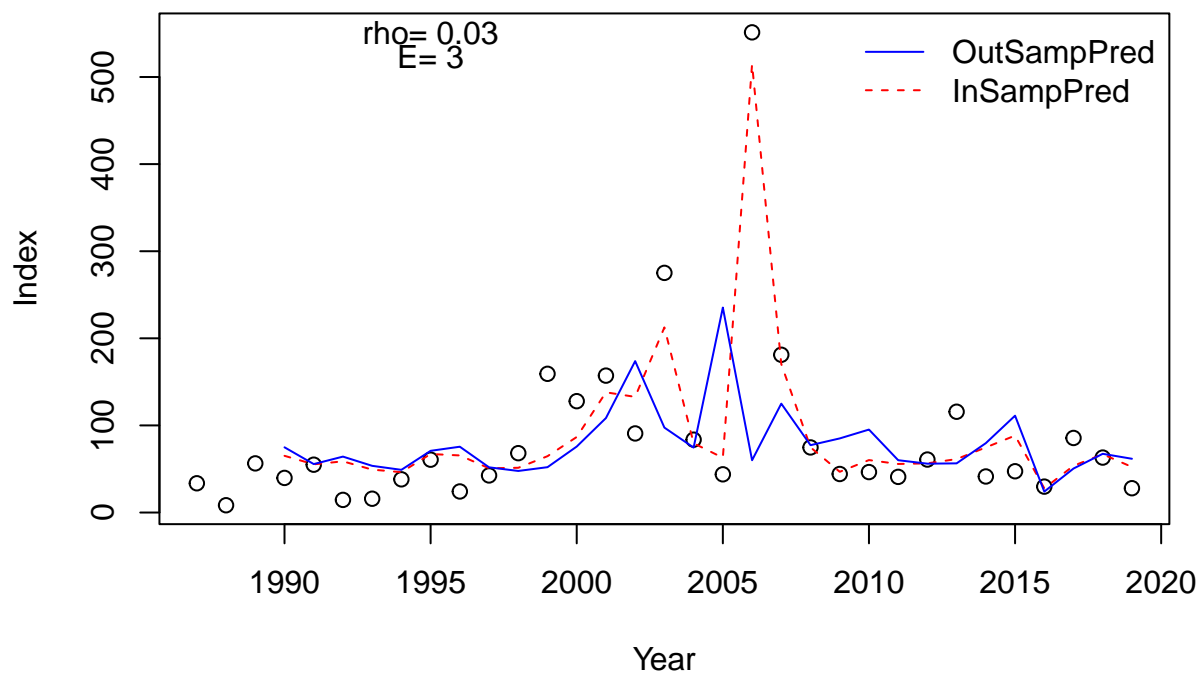
Lew Coggins

5/23/2022

Brown Shrimp

```
## Number of predictors: 3
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.00959
## phi2  Index_2      0.46232
## phi3  Index_3      1.23707
## Process variance (ve): 0.1955448
## Pointwise prior variance (sigma2): 2.989169
## Number of populations: 1
## In-sample R-squared: 0.8975028
## Out-of-sample R-squared: -0.1471965
```

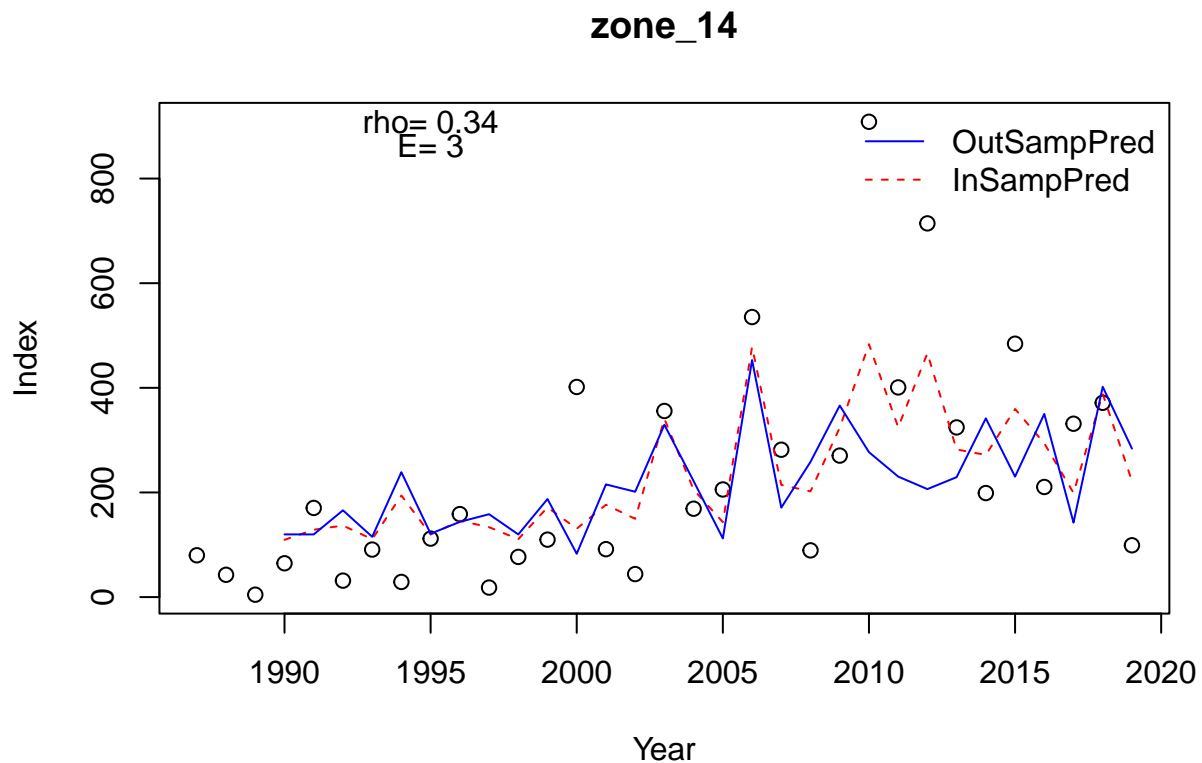
zone_11



```

## Number of predictors: 3
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.55509
## phi2  Index_2      0.36826
## phi3  Index_3      0.73603
## Process variance (ve): 0.6008013
## Pointwise prior variance (sigma2): 0.7539711
## Number of populations: 1
## In-sample R-squared: 0.619075
## Out-of-sample R-squared: 0.08933031

```

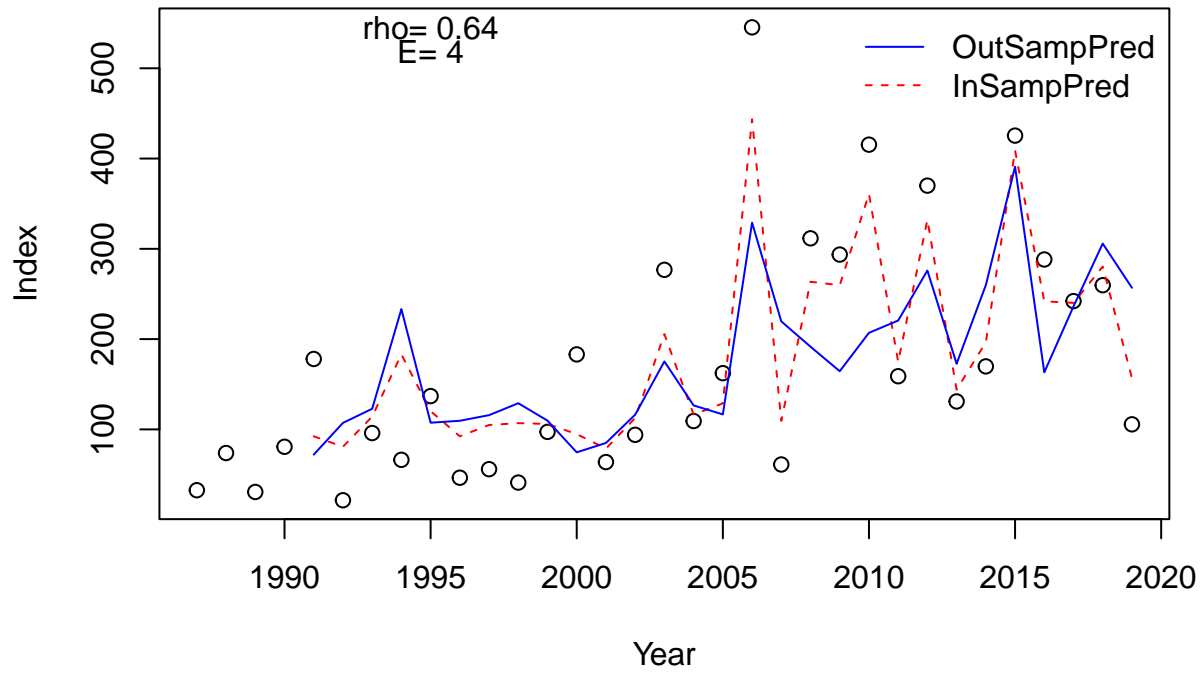


```

## Number of predictors: 4
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.34932
## phi2  Index_2      0.02785
## phi3  Index_3      0.72361
## phi4  Index_4      0.19930
## Process variance (ve): 0.3133454
## Pointwise prior variance (sigma2): 1.146686
## Number of populations: 1
## In-sample R-squared: 0.8485981
## Out-of-sample R-squared: 0.4014389

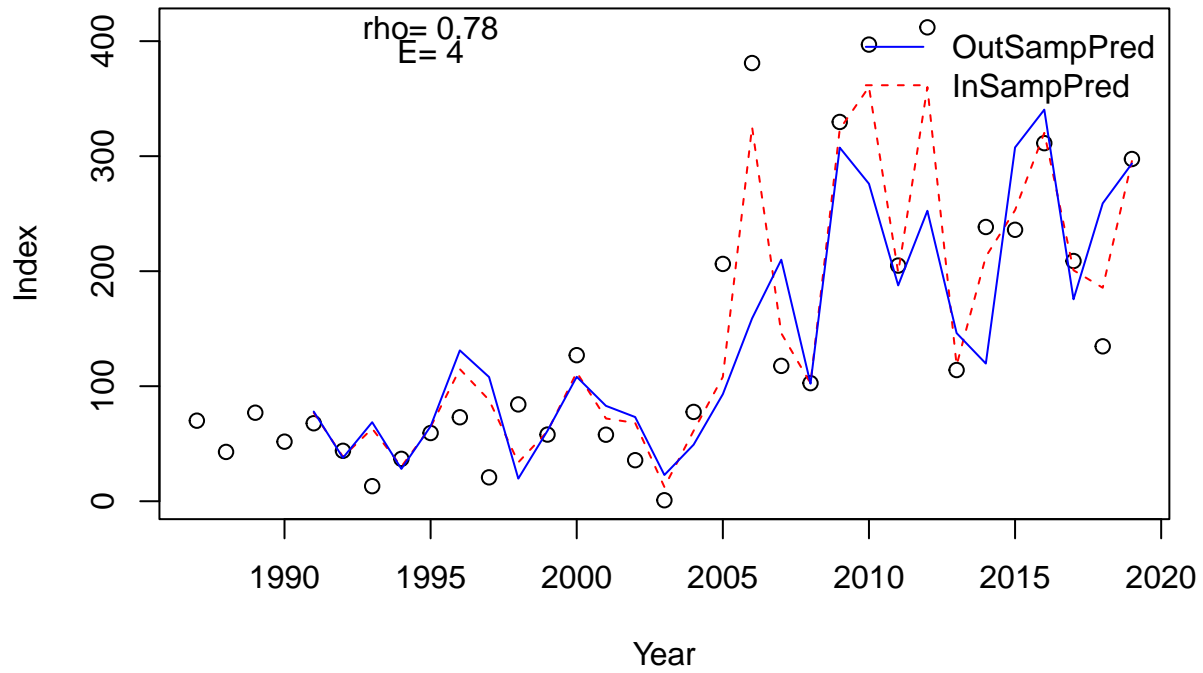
```

zone_15



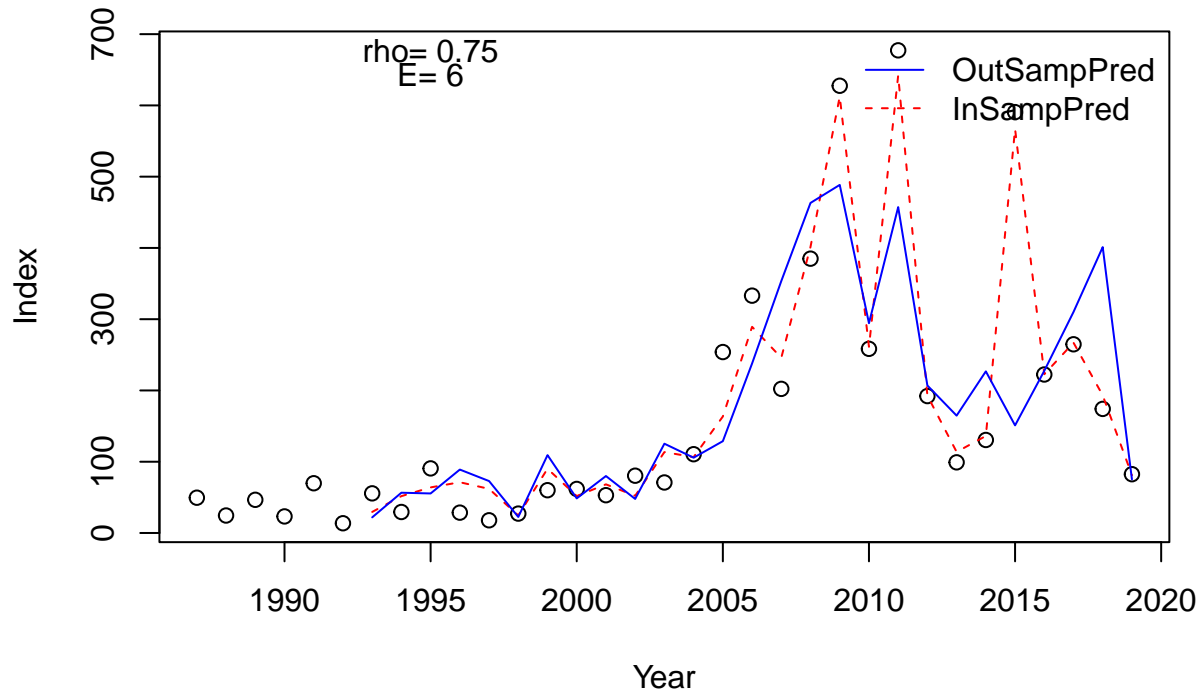
```
## Number of predictors: 4
## Length scale parameters:
##   predictor posteriormode
## phi1  Index_1      0.28127
## phi2  Index_2      0.00000
## phi3  Index_3      0.63402
## phi4  Index_4      0.11079
## Process variance (ve): 0.1730958
## Pointwise prior variance (sigma2): 1.567012
## Number of populations: 1
## In-sample R-squared: 0.9201883
## Out-of-sample R-squared: 0.6062706
```

zone_16



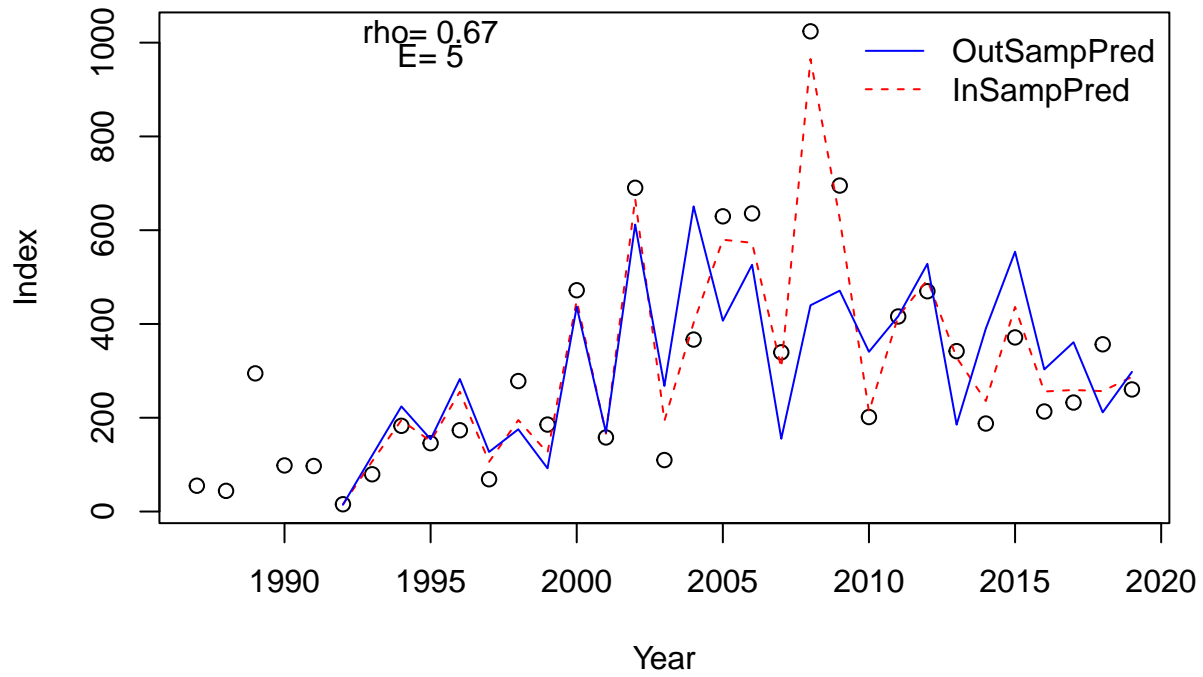
```
## Number of predictors: 6
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.31722
## phi2  Index_2      0.00000
## phi3  Index_3      0.25295
## phi4  Index_4      0.60063
## phi5  Index_5      0.00000
## phi6  Index_6      0.14455
## Process variance (ve): 0.07881043
## Pointwise prior variance (sigma2): 1.725277
## Number of populations: 1
## In-sample R-squared: 0.9730583
## Out-of-sample R-squared: 0.5585426
```

zone_17



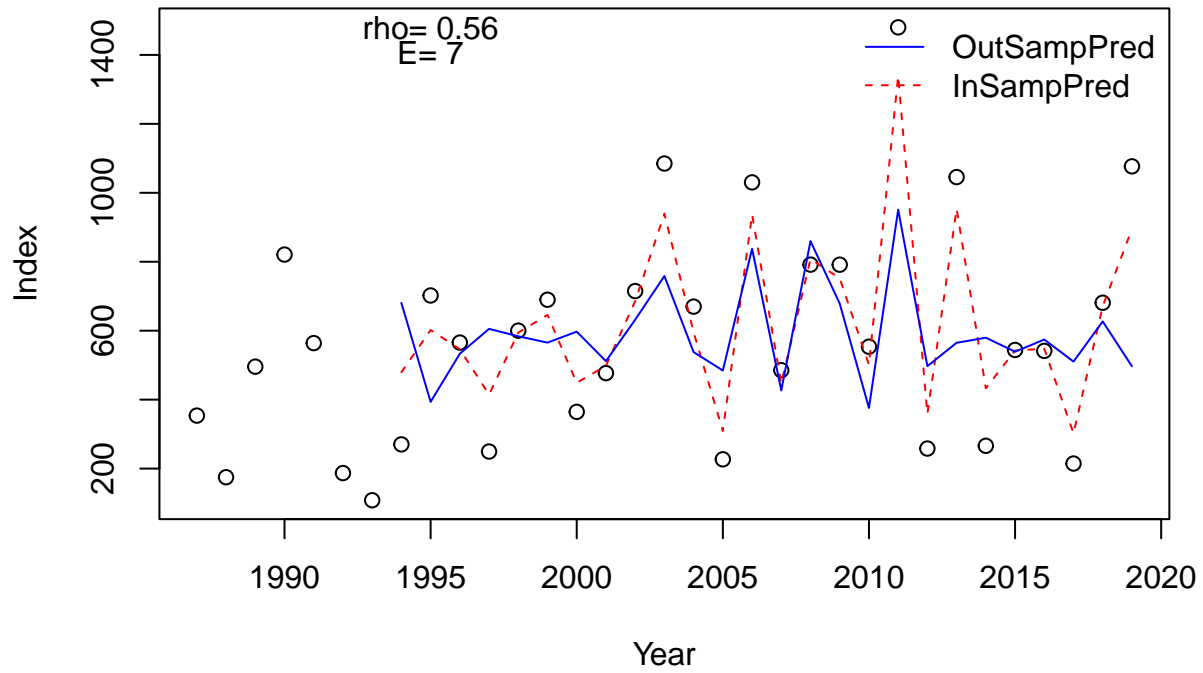
```
## Number of predictors: 5
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.00000
## phi2  Index_2      0.49538
## phi3  Index_3      0.26984
## phi4  Index_4      0.00000
## phi5  Index_5      0.37100
## Process variance (ve): 0.1255613
## Pointwise prior variance (sigma2): 1.587305
## Number of populations: 1
## In-sample R-squared: 0.9549289
## Out-of-sample R-squared: 0.445493
```

zone_18

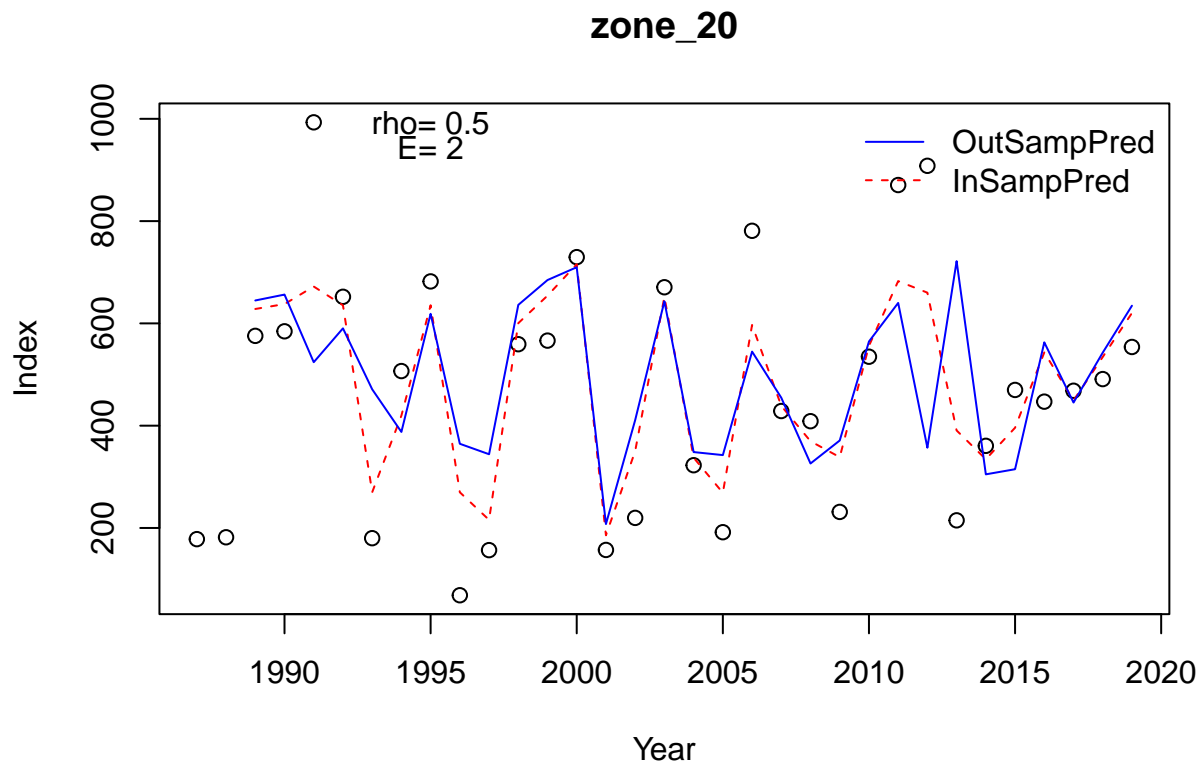


```
## Number of predictors: 7
## Length scale parameters:
##      predictor posteriormode
## phi1  Index_1      0.00000
## phi2  Index_2      0.71915
## phi3  Index_3      0.00020
## phi4  Index_4      0.00000
## phi5  Index_5      0.26964
## phi6  Index_6      0.06148
## phi7  Index_7      0.42580
## Process variance (ve): 0.2947778
## Pointwise prior variance (sigma2): 1.280607
## Number of populations: 1
## In-sample R-squared: 0.9033646
## Out-of-sample R-squared: 0.2785952
```

zone_19



```
## Number of predictors: 2
## Length scale parameters:
##   predictor posteriormode
## phi1   Index_1       1.91785
## phi2   Index_2       0.10787
## Process variance (ve): 0.3948644
## Pointwise prior variance (sigma2): 1.989729
## Number of populations: 1
## In-sample R-squared: 0.7636575
## Out-of-sample R-squared: 0.2410362
```



```
## Number of predictors: 3
## Length scale parameters:
##   predictor posteriormode
## phi1   Index_1      0.04350
## phi2   Index_2      0.58178
## phi3   Index_3      0.29741
## Process variance (ve): 0.6536136
## Pointwise prior variance (sigma2): 0.7921047
## Number of populations: 1
## In-sample R-squared: 0.5111786
## Out-of-sample R-squared: 0.1383327
```


zone_21

