1 Time Series 7-Day Forecasting with XGBoost individual countries

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1.2 Imports

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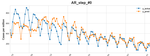
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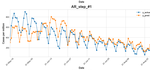
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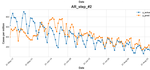
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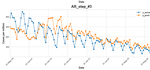
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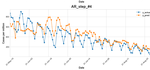
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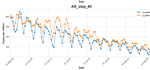
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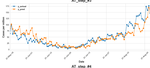
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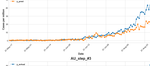
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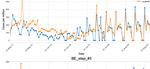
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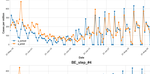
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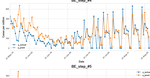
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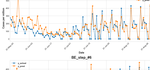
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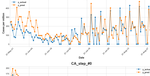
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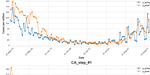
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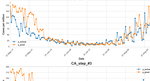
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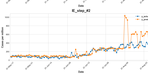
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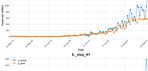
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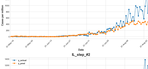
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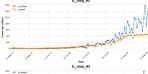
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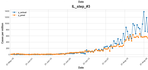
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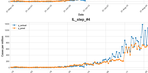
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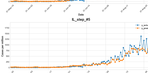
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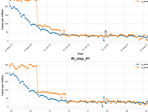
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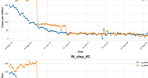
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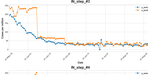
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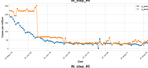
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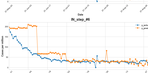
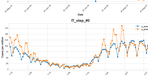

IT_step_02
Current
Lower
Value of SPC
Date


IT_step_03
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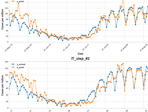
Lower
Value of SPC
Date

IT_step_04
Current
Lower
Value of SPC
Date


IT_step_05
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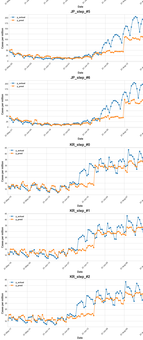
Value of SPC
Date

IT_step_06
Current
Lower
Value of SPC
Date

JP_step_00
Current
Lower
Upper
Date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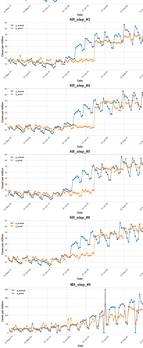
Upper
Date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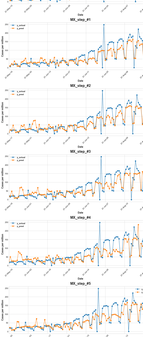
Date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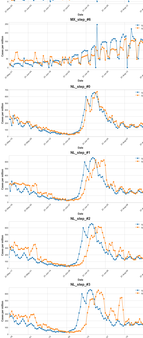
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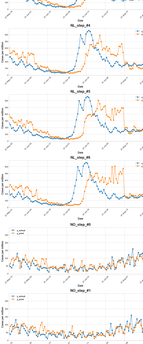
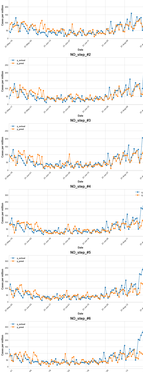
Upper
Date


JP_step_05
Current
Lower
Upper
Date


JP_step_06
Current
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Upper
Date

KR_step_00
Current
Lower
Upper
Date

KR_step_01
Current
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Upper
Date

KR_step_02
Current
Lower
Upper
Date

KR_step_03
Current
Lower
Upper
Date

KR_step_04
Current
Lower
Upper
Date

KR_step_05
Current
Lower
Upper
Date

KR_step_06
Current
Lower
Upper
Date

NS_step_00
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Lower
Upper
Date

NS_step_01
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NS_step_02
Current
Lower
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Date

NS_step_03
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Lower
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Date

NS_step_04
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Date

NS_step_05
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Date

NS_step_06
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Date

NL_step_00
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Date

NL_step_06
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NO_step_05
Current
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Upper
Date

NO_step_06
Current
Lower
Upper
Date

1.7.2 Visualize the tree

```
# Visualize the first tree in the forest.
plt.figure(figure=None, dpi=None, facecolor='w', edgecolor='k')
tree_viz = rf_grid_cv[0].estimator_[0]
export_graphviz(tree_viz, out_file='tree.dot', feature_names = cols)
!dot -Tpng tree.dot -o tree.png -Gdpi=600
plt.rcParams.update({'font.size': 12})
plt.imshow(plt.imread('tree.png'), interpolation='bilinear', aspect='auto', extent=None, alpha=None, vmin=None, vmax=None, origin=None)
plt.axis('off')
plt.show();
```

```
Traceback (most recent call last):
  File "C:\Users\Ahmad Osman\AppData\Local\Programs\Python\Python36-32\lib\site-packages\sklearn\tree\export.pyc", line 1, in export_graphviz
    ufunc_1(1, 1, 1, 
```