

emmaredfoot / RAVEN_APS

Branch: master ▾

RAVEN_APS / FALL / Arizona_fall.xml

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emmaredfoot All seasons trained and ran

78388c0 on May 23

1 contributor

153 lines (145 sloc) | 4.74 KB

```

1  <Simulation verbosity="debug" color="true">
2    <RunInfo>
3      <WorkingDir>./WorkingDir>
4      <Sequence>load,sample,output</Sequence>
5      <batchSize>8</batchSize>
6      <!--<Sequence>load,sample,output,stats,outstats</Sequence>
7
8      <maxQueueSize>20</maxQueueSize-->
9    </RunInfo>
10
11  <Steps>
12    <IOStep name="load">
13      <Input  class="Files"      type=""      >romfile</Input>
14      <Output class="Models"    type="ROM"    >rom</Output>
15    </IOStep>
16    <MultiRun name="sample">
17      <Input  class='DataObjects' type='PointSet' >placeholder</Input>
18      <Model  class='Models'     type='ROM'     >rom</Model>
19      <Sampler class='Samplers'  type='MonteCarlo' >mc</Sampler>
20      <Output class='DataObjects' type='HistorySet' >samples</Output>
21    </MultiRun>
22    <IOStep name="output" pauseAtEnd="True">
23      <Input  class="DataObjects" type="HistorySet" >samples</Input>
24      <Output class="OutStreams"  type="Print"     >samples_dump</Output>
25      <Output class="OutStreams"  type="Plot"      >Demand in MWe in Arizona Fall</Output>
26    </IOStep>
27    <PostProcess name="stats">
28      <Input  class="DataObjects" type="HistorySet" >samples</Input>
29      <Model  class="Models"     type="PostProcessor">stats_calc</Model>
30      <Output class="DataObjects" type="HistorySet" >stats</Output>
31    </PostProcess>
32    <IOStep name="outstats" pauseAtEnd="True">
33      <Input  class="DataObjects" type="HistorySet" >stats</Input>
34      <Output class="OutStreams"  type="Print"     >stats_out</Output>
35      <Output class="OutStreams"  type="Plot"      >stats_plot</Output>
36    </IOStep>
37  </Steps>
38
39  <DataObjects>
40    <PointSet name="placeholder">
41      <Input>scaling</Input>
42      <Output>OutputPlaceHolder</Output>
43    </PointSet>
44    <HistorySet name="samples">
45      <Input>scaling</Input>
46      <Output>Demand</Output>
47      <options>
48        <pivotParameter>Time</pivotParameter>
49      </options>
50    </HistorySet>
51    <HistorySet name="stats">
52      <Output>mean_Demand,percentile_5_Demand,percentile_95_Demand</Output>
53      <options>
54        <pivotParameter>Time</pivotParameter>
55      </options>

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56     </HistorySet>
57 </DataObjects>
58
59 <Files>
60   <Input name="romfile">ARMA_fall.pk</Input>
61 </Files>
62
63 <Samplers>
64   <MonteCarlo name="mc">
65     <samplerInit>
66       <limit>50</limit>
67       <initialSeed>31415</initialSeed>
68     </samplerInit>
69     <constant name='scaling'>1</constant>
70   </MonteCarlo>
71 </Samplers>
72
73 <Models>
74   <ROM name="rom" subType="pickledROM"/>
75   <PostProcessor name="stats_calc" subType="BasicStatistics">
76     <percentile percent='5' prefix='percentile'>Demand</percentile>
77     <percentile percent='95' prefix='percentile'>Demand</percentile>
78     <expectedValue prefix='mean'>Demand</expectedValue>
79     <pivotParameter>Time</pivotParameter>
80   </PostProcessor>
81 </Models>
82
83 <OutStreams>
84   <Print name="samples_dump" dir="samples_outputs">
85     <type>csv</type>
86     <source>samples</source>
87   </Print>
88   <Print name="stats_out" dir="samples_outputs">
89     <type>csv</type>
90     <source>stats</source>
91     <what>input,output</what>
92   </Print>
93   <Plot name="Demand in MWe in Arizona Fall">
94     <plotSettings>
95       <plot>
96         <type>line</type>
97         <x>samples|Output|Time</x>
98         <y>samples|Output|Demand</y>
99         <xlabel>Time (s) (1 week)</xlabel>
100        <ylabel>Demand</ylabel>
101        <interpPointsX>604800</interpPointsX>
102      </plot>
103    </plotSettings>
104    <actions>
105      <how>screen,png</how>
106    </actions>
107  </Plot>
108  <Plot name="stats_plot">
109    <plotSettings>
110      <plot>
111        <type>line</type>
112        <x>stats|Output|Time</x>
113        <y>stats|Output|mean_Demand</y>
114        <kwargs>
115          <label>mean</label>
116        </kwargs>
117        <interpPointsX>604800</interpPointsX>
118      </plot>
119      <xlabel>Time (s) (1 week)</xlabel>
120      <ylabel>Demand</ylabel>
121    </plot>
122    <type>line</type>

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123      <x>stats|Output|Time</x>
124      <y>stats|Output|percentile_5_Demand</y>
125      <kwargs>
126        <label>5 pct</label>
127      </kwargs>
128      <interpPointsX>604800</interpPointsX>
129      <xlabel>Time (s) (1 week)</xlabel>
130      <ylabel>Demand</ylabel>
131    </plot>
132    <plot>
133      <type>line</type>
134      <x>stats|Output|Time</x>
135      <y>stats|Output|percentile_95_Demand</y>
136      <kwargs>
137        <label>95 pct</label>
138      </kwargs>
139      <interpPointsX>604800</interpPointsX>
140      <xlabel>Time (s) (1 week)</xlabel>
141      <ylabel>Demand</ylabel>
142    </plot>
143    <legend>
144      <loc>best</loc>
145    </legend>
146  </plotSettings>
147  <actions>
148    <how>screen,png</how>
149  </actions>
150 </Plot>
151 </OutStreams>
152 </Simulation>
```