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<?xml version="1.0" encoding="UTF-8"?><process version="6.5.002">

<context>
  <input/>
  <output/>
  <macros/>
</context>

<operator activated="true" class="process" compatibility="6.5.002" expanded="true" name="Process">
  <process expanded="true">
    <operator activated="true" class="retrieve" compatibility="6.5.002" expanded="true" height="60" name="Retrieve newdata" width="90" x="45" y="30">
      <parameter key="repository_entry" value="data/newdata"/>
    </operator>
    <operator activated="true" class="optimize_parameters_grid" compatibility="6.5.002" expanded="true" height="112" name="Optimize Parameters (Grid)" width="90" x="313" y="30">
      <list key="parameters">
        <parameter key="Neural Net.learning_rate" value="[0.1;0.9;5;linear]"/>
        <parameter key="Neural Net.momentum" value="[0.1;0.9;5;linear]"/>
      </list>
    </process expanded="true">
    <operator activated="true" class="x_validation" compatibility="6.5.002" expanded="true" height="112" name="Validation" width="90" x="179" y="30">
      <process expanded="true">
        <operator activated="true" class="neural_net" compatibility="6.5.002" expanded="true" height="76" name="Neural Net" width="90" x="112" y="30">
          <list key="hidden_layers"/>
          <parameter key="learning_rate" value="0.4200000000000004"/>
          <parameter key="momentum" value="0.4200000000000004"/>
        </process>
      </operator>
    </process>
  </operator>
</process>
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</operator>

<connect from_port="training" to_op="Neural Net" to_port="training set"/>

<connect from_op="Neural Net" from_port="model" to_port="model"/>

<portSpacing port="source_training" spacing="0"/>

<portSpacing port="sink_model" spacing="0"/>

<portSpacing port="sink_through 1" spacing="0"/>

</process>

<process expanded="true">

<operator activated="true" class="apply_model" compatibility="6.5.002" expanded="true" height="76" name="Apply Model" width="90" x="45" y="30">

<list key="application_parameters"/>

</operator>

<operator activated="true" class="performance_classification" compatibility="6.5.002" expanded="true" height="76" name="Performance" width="90" x="179" y="30">

<list key="class_weights"/>

</operator>

<connect from_port="model" to_op="Apply Model" to_port="model"/>

<connect from_port="test set" to_op="Apply Model" to_port="unlabelled data"/>

<connect from_op="Apply Model" from_port="labelled data" to_op="Performance" to_port="labelled data"/>

<connect from_op="Performance" from_port="performance" to_port="averagable 1"/>

<portSpacing port="source_model" spacing="0"/>

<portSpacing port="source_test set" spacing="0"/>

<portSpacing port="source_through 1" spacing="0"/>

<portSpacing port="sink_averagable 1" spacing="0"/>

<portSpacing port="sink_averagable 2" spacing="0"/>

</process>

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</operator>

<operator activated="true" class="log" compatibility="6.5.002" expanded="true" height="76"
name="Log" width="90" x="380" y="75">

<list key="log">

<parameter key="Learning Rate" value="operator.Neural Net.parameter.learning_rate"/>

<parameter key="Momentum" value="operator.Neural Net.parameter.momentum"/>

<parameter key="Performance" value="operator.Optimize Parameters (Grid).value.performance"/>

</list>

</operator>

<connect from_port="input 1" to_op="Validation" to_port="training"/>

<connect from_op="Validation" from_port="averagable 1" to_op="Log" to_port="through 1"/>

<connect from_op="Log" from_port="through 1" to_port="performance"/>

<portSpacing port="source_input 1" spacing="0"/>

<portSpacing port="source_input 2" spacing="0"/>

<portSpacing port="sink_performance" spacing="0"/>

<portSpacing port="sink_result 1" spacing="0"/>

<portSpacing port="sink_result 2" spacing="0"/>

</process>

</operator>

<connect from_op="Retrieve newdata" from_port="output" to_op="Optimize Parameters (Grid)"
to_port="input 1"/>

<connect from_op="Optimize Parameters (Grid)" from_port="performance" to_port="result 1"/>

<connect from_op="Optimize Parameters (Grid)" from_port="parameter" to_port="result 2"/>

<connect from_op="Optimize Parameters (Grid)" from_port="result 1" to_port="result 3"/>

<portSpacing port="source_input 1" spacing="0"/>

<portSpacing port="sink_result 1" spacing="0"/>

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<portSpacing port="sink_result 2" spacing="0"/>  
<portSpacing port="sink_result 3" spacing="0"/>  
<portSpacing port="sink_result 4" spacing="0"/>  
</process>  
</operator>  
</process>
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