Software Defect Prediction Using Relational Association Rule Mining

SOFTWARE DEFECT PREDICTION USING RELATIONAL ASSOCIATION RULE MINING

Upload Dataset  Preprocess & Training  Classification(load test file)  Testing  Chart

Further Details Contact: A Vinay 9030333433, 08772261612
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Total dataset size : 490
Total positive features removed after Spearman Correlation : 2
Total negative features removed after Spearman Correlation : 79
Positive instances after Training : 47
Negative instances after Training : 370
<table>
<thead>
<tr>
<th>Dataset Size</th>
<th>Positive Features Removed After Spearman Correlation: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total features removed</td>
<td>Negative features removed After Spearman Correlation: 79</td>
</tr>
<tr>
<td>Positive instances after</td>
<td></td>
</tr>
<tr>
<td>Training</td>
<td>Negative instances after Training: 37</td>
</tr>
</tbody>
</table>

Given instance is classified as positive (software has defect)
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<table>
<thead>
<tr>
<th>Case study</th>
<th>ACC</th>
<th>PD</th>
<th>SPEC</th>
<th>PREC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM1.txt</td>
<td>0.6</td>
<td>0.0027</td>
<td>0.8993</td>
<td>0.6208</td>
</tr>
</tbody>
</table>

Relation: 2
Relation: 79

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