# List of Tables

<table>
<thead>
<tr>
<th>Table No.</th>
<th>Caption</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chapter 3</strong> Mining Relative Sequential Patterns</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table 3.1</td>
<td>Notations used.</td>
<td>64</td>
</tr>
<tr>
<td>Table 3.2</td>
<td>Synthetic dataset specifications.</td>
<td>73</td>
</tr>
<tr>
<td>Table 3.3</td>
<td>Synthetic dataset attribute description</td>
<td>74</td>
</tr>
<tr>
<td>Table 3.4</td>
<td>Real-life dataset specifications.</td>
<td>75</td>
</tr>
<tr>
<td>Table 3.5</td>
<td>Solar events and description.</td>
<td>76</td>
</tr>
<tr>
<td>Table 3.6</td>
<td>HEK dataset attribute description.</td>
<td>77</td>
</tr>
<tr>
<td>Table 3.7</td>
<td>Description of input parameters to ReSP-Miner and STS-Miner algorithms.</td>
<td>78</td>
</tr>
<tr>
<td>Table 3.8</td>
<td>Performance with respect to average number of event sequences per pattern</td>
<td>82</td>
</tr>
<tr>
<td><strong>Chapter 4</strong> Mining Regional Sequential Patterns</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table 4.1</td>
<td>Principle Nodes and their Significant Neighborhood Nodes.</td>
<td>104</td>
</tr>
<tr>
<td>Table 4.2</td>
<td>Principle Nodes, Comprising Events and Summarized Information.</td>
<td>104</td>
</tr>
<tr>
<td>Table 4.3</td>
<td>Description of input parameters to STS-Miner algorithm</td>
<td>128</td>
</tr>
<tr>
<td>Table 4.4</td>
<td>Description of input parameters to Grid-based RSP-Miner algorithm</td>
<td>128</td>
</tr>
<tr>
<td>Table 4.5</td>
<td>Accuracy in terms of number of patterns discovered</td>
<td>132</td>
</tr>
<tr>
<td>Table 4.6</td>
<td>Performance with respect to average number of event sequences per pattern</td>
<td>134</td>
</tr>
<tr>
<td>Table 4.7</td>
<td>Memory complexity of the algorithms</td>
<td>135</td>
</tr>
</tbody>
</table>
Table No. | Caption | Page No.
---|---|---
**Chapter 5** | **Mining Weighted Sequential Patterns** |  
Table 5.1 | Weight vector of event types | 144  
Table 5.2 | Weight vector of spatio-temporal cells | 144  
Table 5.3 | Description of input parameters to WRSP-Miner algorithm | 151  
Table 5.4 | Effectiveness of minimum weight in WRSP-Miner | 153  
Table 5.5 | Weight vector of event types in HEK dataset | 154  

**Chapter 6** | **Mining Frequent Spatio-Temporal Sequential Patterns** |  
Table 6.1 | Sample spatio-temporal dataset | 159  
Table 6.2 | Algorithm trace for the data shown in Table 6.1 | 161  
Table 6.3 | Support of the sequences at level – 3 ((a → b) and (a → c) sequence extensions only) | 163  
Table 6.4 | Simulation parameters | 166