

## Project Development Phase

### Model Performance Test

Date	14 Feb 20226
Team ID	LTVIP2026TMIDS60231
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	

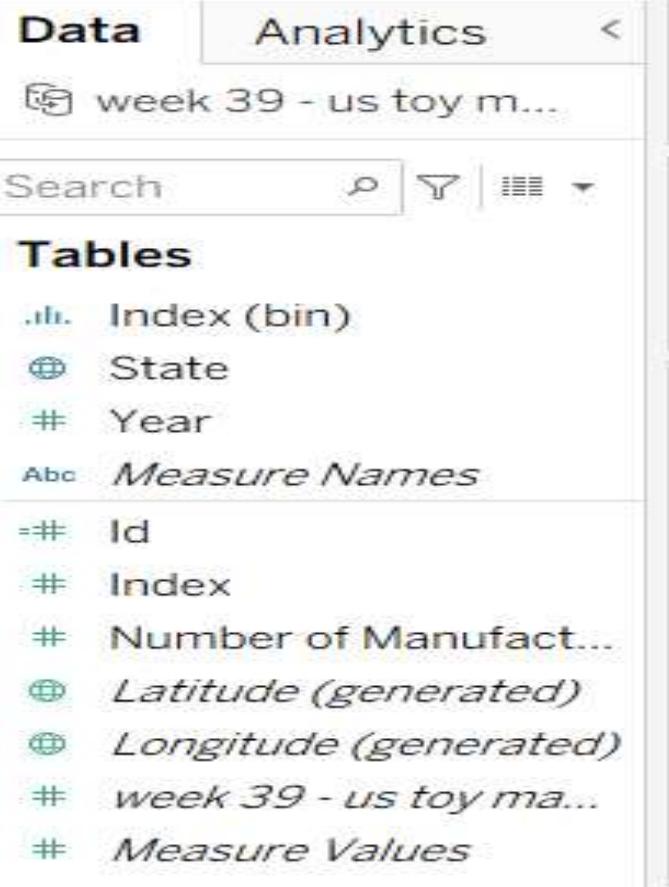
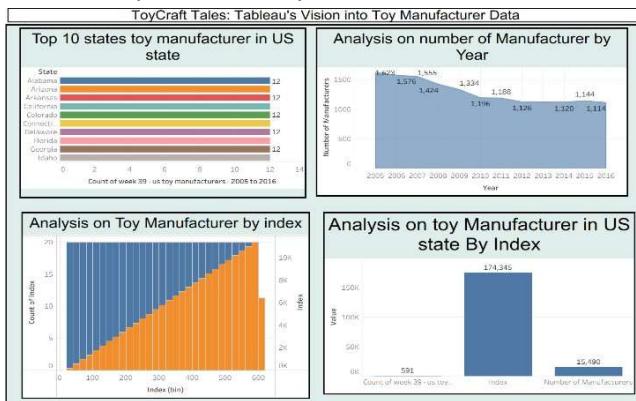
#### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values										
1.	Data Rendered	<p><b>Table: week 39 - us toy manufacturers - 2005 to 2016</b></p> <p><b>Columns:</b></p> <table border="1"> <thead> <tr> <th>Column</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>index</td> <td>int</td> </tr> <tr> <td>State</td> <td>text</td> </tr> <tr> <td>Year</td> <td>int</td> </tr> <tr> <td>Number of Manufacturers</td> <td>int</td> </tr> </tbody> </table>	Column	Type	index	int	State	text	Year	int	Number of Manufacturers	int
Column	Type											
index	int											
State	text											
Year	int											
Number of Manufacturers	int											

2. Data Preprocessing	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Search <span style="float: right;">Filters</span></p> <ul style="list-style-type: none"> <li><a href="#">Create Calculated Field...</a></li> <li><a href="#">Create Parameter...</a></li> <li><a href="#">Group by Folder</a></li> <li><a href="#">Group by Data Source Table</a></li> <li><a href="#">Sort by Name</a></li> <li><a href="#">Sort by Data Source Order</a></li> <li><a href="#">Hide All Unused Fields</a></li> <li><a href="#">Show Hidden Fields</a></li> <li><a href="#">Expand All</a></li> <li><a href="#">Collapse All</a></li> </ul> <hr/> <div style="display: flex; justify-content: space-between;"> <input style="width: 150px; height: 20px; border: 1px solid #ccc; margin-right: 10px;" type="text" value="Id"/> <span>X</span> </div> <hr/> <pre>INT(([Index] + 20) / 20) * 20 </pre> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>The calculation is valid.</span> <span>4 Dependencies</span> <div style="display: flex; gap: 10px;"> <span>Apply</span> <span>OK</span> </div> </div> <hr/> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p><b>Add to Sheet</b></p> <ul style="list-style-type: none"> <li><a href="#">Show Filter</a></li> <li><a href="#">Cut</a></li> <li><a href="#">Copy</a></li> <li><a href="#">Edit...</a></li> <li><a href="#">Duplicate</a></li> <li><a href="#">Rename</a></li> <li><a href="#">Hide</a></li> <li><a href="#">Delete</a></li> <li><a href="#" style="color: #0070C0; font-weight: bold;">Create</a> ▾</li> </ul> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <ul style="list-style-type: none"> <li><a href="#">Calculated Field...</a></li> <li><a href="#">Group...</a></li> <li><a href="#">Bins...</a></li> <li><a href="#">Parameter...</a></li> </ul> </div> </div>
-----------------------	---

		<p><b>Edit Bins [Id]</b></p> <p>New field name: Index (bin)</p> <p>Size of bins: 20 <input type="button" value="Suggest Bin Size"/></p> <p>Range of Values:</p> <p>Min: 20 Diff: 580</p> <p>Max: 600 CntD: 30</p> <p><input type="button" value="OK"/> <input type="button" value="Cancel"/></p>
3.	Utilization of Filters	<p><b>ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data</b></p> <p>The dashboard consists of four main visualizations:</p> <ul style="list-style-type: none"> <li><b>Top 10 states toy manufacturer in US state:</b> A horizontal bar chart showing the count of manufacturers for each state. The top states are Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, and Idaho, all with a count of 12.</li> <li><b>Analysis on number of Manufacturer by Year:</b> A line chart showing the number of manufacturers over time from 2005 to 2015. The data points are: 2005 (1,623), 2006 (1,555), 2007 (1,424), 2008 (1,334), 2009 (1,188), 2010 (1,126), 2011 (1,120), 2012 (1,114), 2013 (1,114), 2014 (1,114), 2015 (1,114).</li> <li><b>Analysis on Toy Manufacturer by index:</b> A dual-axis chart showing the count of manufacturers versus index. The blue area represents the count of manufacturers, and the orange area represents the index. A tooltip shows Index (bin): 560 and Index: 10,990.</li> <li><b>Analysis on toy Manufacturer in US state By Index:</b> A bar chart showing the value of manufacturers by index. The bars represent the count of manufacturers for each index bin. The values are: 591, 174,345, and 15,490.</li> <li><b>Analysis on toy Manufacturer in US state By Index:</b> A pie chart showing the distribution of manufacturers by state based on index. The states and their counts are: Wyoming (3,960), Tennessee (3,920), Texas (3,920), Wisconsin (3,960), West Virginia (3,960), Washington (3,940), Vermont (3,940), Virginia (3,940), and Tennessee (3,765).</li> </ul>

	4. Calculation fields Used	 <p><b>Data</b>      <b>Analytics</b> &lt;  <span>week 39 - us toy m...</span></p> <p>Search <input type="text"/> <span>P</span> <span>Y</span>   <span>grid</span> <span>▼</span></p> <h2>Tables</h2> <ul style="list-style-type: none"> <li><span>jh.</span> Index (bin)</li> <li><span>globe</span> State</li> <li><span>#</span> Year</li> </ul> <p>Abc <i>Measure Names</i></p> <ul style="list-style-type: none"> <li>=# Id</li> <li># Index</li> <li># Number of Manufact...</li> <li>(globe) Latitude (generated)</li> <li>(globe) Longitude (generated)</li> <li># week 39 - us toy ma...</li> <li># Measure Values</li> </ul>																																						
5.	Dashboard design	<p>No of Visualizations / Graphs –</p> <ol style="list-style-type: none"> <li>1. Analysis of the number of Manufacturers by Year</li> <li>2. Analysis of Toy Manufacturer by Index</li> <li>3. Analysis of toy Manufacturers in US state By Index</li> <li>4. Analysis of Toy Manufacturers</li> <li>5. Top 10 states toy manufacturer in US state</li> </ol>  <p>ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data</p> <p>Top 10 states toy manufacturer in US state</p> <table border="1"> <thead> <tr> <th>State</th> <th>Count of week 39 - us toy manufacturers</th> </tr> </thead> <tbody> <tr><td>Arizona</td><td>12</td></tr> <tr><td>Arkansas</td><td>12</td></tr> <tr><td>California</td><td>12</td></tr> <tr><td>Colorado</td><td>12</td></tr> <tr><td>Connecticut</td><td>12</td></tr> <tr><td>Florida</td><td>12</td></tr> <tr><td>Georgia</td><td>12</td></tr> <tr><td>Illinois</td><td>12</td></tr> </tbody> </table> <p>Analysis on number of Manufacturer by Year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Number of Manufacturers</th> </tr> </thead> <tbody> <tr><td>2005</td><td>1,422</td></tr> <tr><td>2006</td><td>1,576</td></tr> <tr><td>2007</td><td>1,444</td></tr> <tr><td>2008</td><td>1,334</td></tr> <tr><td>2009</td><td>1,188</td></tr> <tr><td>2010</td><td>1,198</td></tr> <tr><td>2011</td><td>1,126</td></tr> <tr><td>2012</td><td>1,120</td></tr> <tr><td>2013</td><td>1,114</td></tr> </tbody> </table> <p>Analysis on Toy Manufacturer by index</p> <p>Analysis on toy Manufacturer in US state By Index</p> <p>Analysis on Toy Manufacturer by Index</p>	State	Count of week 39 - us toy manufacturers	Arizona	12	Arkansas	12	California	12	Colorado	12	Connecticut	12	Florida	12	Georgia	12	Illinois	12	Year	Number of Manufacturers	2005	1,422	2006	1,576	2007	1,444	2008	1,334	2009	1,188	2010	1,198	2011	1,126	2012	1,120	2013	1,114
State	Count of week 39 - us toy manufacturers																																							
Arizona	12																																							
Arkansas	12																																							
California	12																																							
Colorado	12																																							
Connecticut	12																																							
Florida	12																																							
Georgia	12																																							
Illinois	12																																							
Year	Number of Manufacturers																																							
2005	1,422																																							
2006	1,576																																							
2007	1,444																																							
2008	1,334																																							
2009	1,188																																							
2010	1,198																																							
2011	1,126																																							
2012	1,120																																							
2013	1,114																																							

		<p style="text-align: center;"><b>Analysis on toy Manufacturer in US state By Index</b></p> <table border="1"> <thead> <tr> <th>State</th> <th>Index Value</th> </tr> </thead> <tbody> <tr><td>Wyoming</td><td>3,980</td></tr> <tr><td>Tennessee</td><td>3,920</td></tr> <tr><td>Texas</td><td>3,920</td></tr> <tr><td>Utah</td><td>3,940</td></tr> <tr><td>Vermont</td><td>3,940</td></tr> <tr><td>Virginia</td><td>3,940</td></tr> <tr><td>Washington</td><td>3,940</td></tr> <tr><td>West Virginia</td><td>3,960</td></tr> <tr><td>Wisconsin</td><td>3,960</td></tr> <tr><td>Wyoming</td><td>3,980</td></tr> </tbody> </table> <p style="text-align: right;">Index: 174,345</p>	State	Index Value	Wyoming	3,980	Tennessee	3,920	Texas	3,920	Utah	3,940	Vermont	3,940	Virginia	3,940	Washington	3,940	West Virginia	3,960	Wisconsin	3,960	Wyoming	3,980		
State	Index Value																									
Wyoming	3,980																									
Tennessee	3,920																									
Texas	3,920																									
Utah	3,940																									
Vermont	3,940																									
Virginia	3,940																									
Washington	3,940																									
West Virginia	3,960																									
Wisconsin	3,960																									
Wyoming	3,980																									
6	Story Design	<p>No of Visualizations / Graphs –</p> <ol style="list-style-type: none"> <li>1. Analysis of the number of Manufacturers by Year</li> <li>2. Analysis of Toy Manufacturer by Index</li> <li>3. Analysis of toy Manufacturers in US state By Index</li> <li>4. Analysis of Toy Manufacturers</li> <li>5. Top 10 states toy manufacturer in US state</li> </ol> <p style="text-align: center;"><b>ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>Number of Manufacturers</th> </tr> </thead> <tbody> <tr><td>2005</td><td>1,623</td></tr> <tr><td>2006</td><td>1,576</td></tr> <tr><td>2007</td><td>1,555</td></tr> <tr><td>2008</td><td>1,424</td></tr> <tr><td>2009</td><td>1,334</td></tr> <tr><td>2010</td><td>1,196</td></tr> <tr><td>2011</td><td>1,188</td></tr> <tr><td>2012</td><td>1,126</td></tr> <tr><td>2013</td><td>1,120</td></tr> <tr><td>2014</td><td>1,144</td></tr> <tr><td>2015</td><td>1,114</td></tr> </tbody> </table>	Year	Number of Manufacturers	2005	1,623	2006	1,576	2007	1,555	2008	1,424	2009	1,334	2010	1,196	2011	1,188	2012	1,126	2013	1,120	2014	1,144	2015	1,114
Year	Number of Manufacturers																									
2005	1,623																									
2006	1,576																									
2007	1,555																									
2008	1,424																									
2009	1,334																									
2010	1,196																									
2011	1,188																									
2012	1,126																									
2013	1,120																									
2014	1,144																									
2015	1,114																									

