

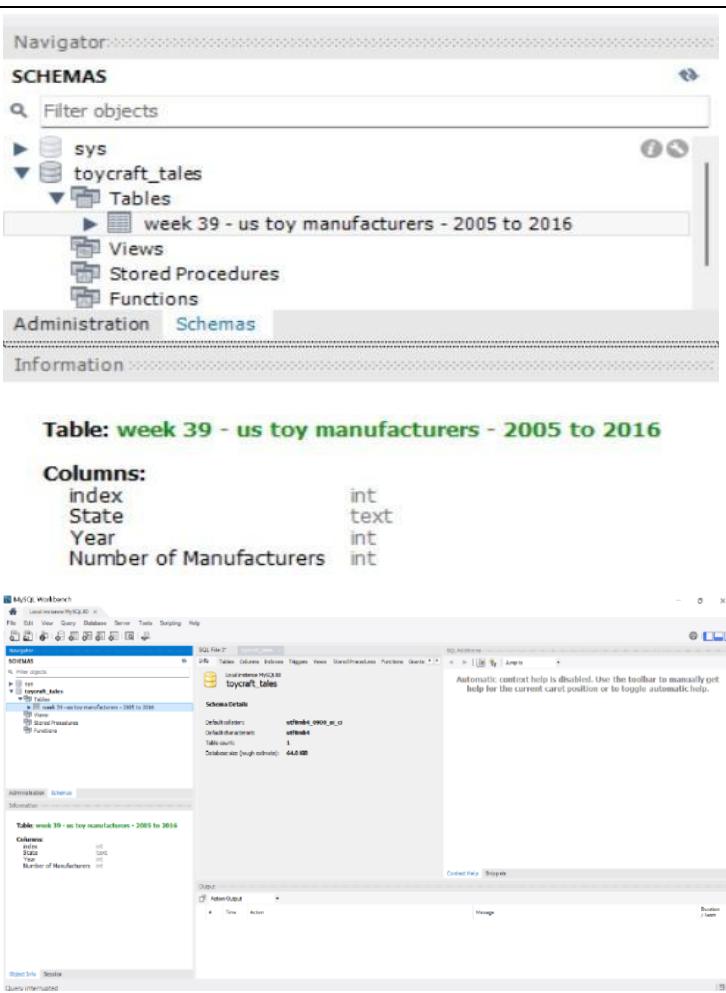
Project Development Phase

Model Performance Test

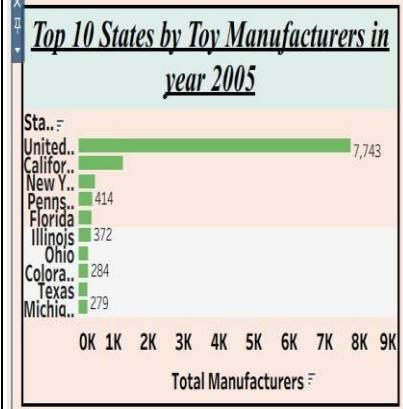
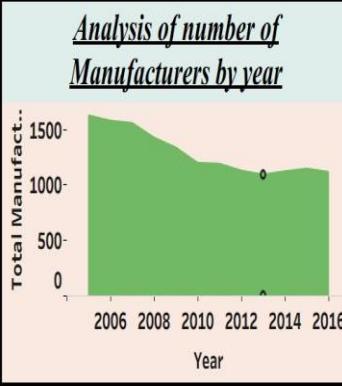
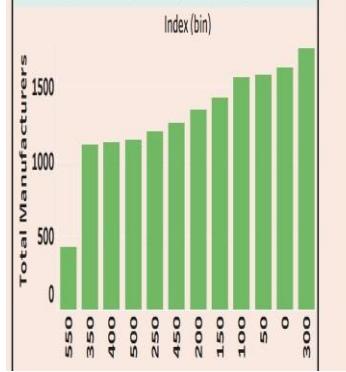
Date	12 February 2026
Team ID	LTVIP2026TMIDS53415
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	

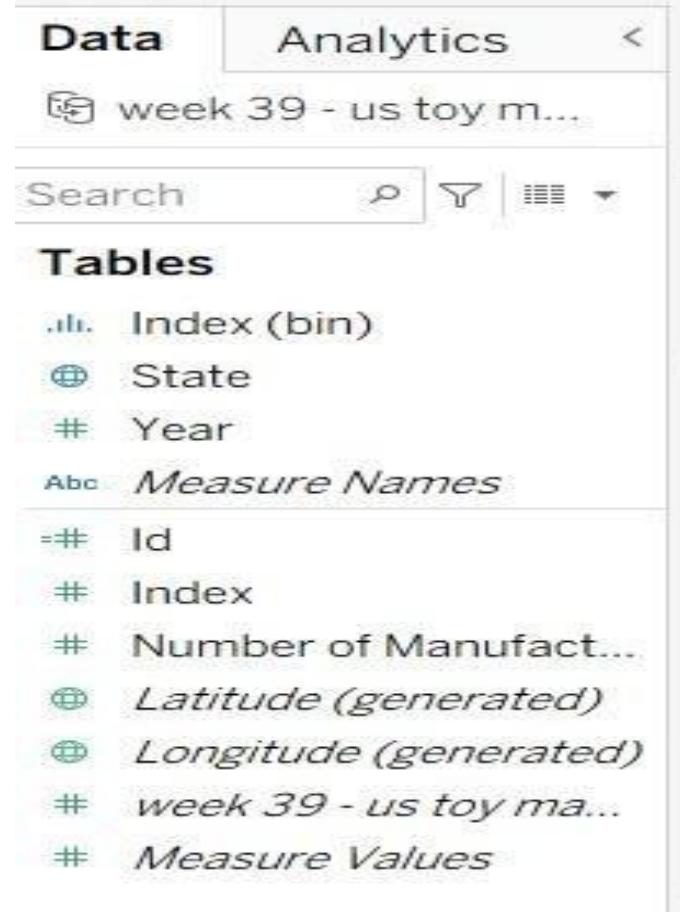
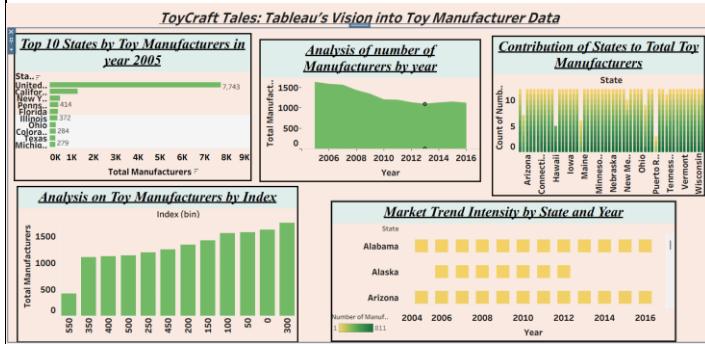
Model Performance Testing:

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

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

2.	<p>Data Preprocessing</p> <p>The screenshot shows the Tableau Data Prep interface. A context menu is open over a calculated field named "Id". The menu includes options like "Create Calculated Field...", "Create Parameter...", "Group by Folder", "Group by Data Source Table", "Sort by Name", "Sort by Data Source Order", "Hide All Unused Fields", "Show Hidden Fields", "Expand All", and "Collapse All". Below the menu, there is a text input field containing the formula "INT(([Index] + 20) / 20) * 20". A message at the bottom left says "The calculation is valid." and a status bar indicates "4 Dependencies". A "Calculated Field..." option is highlighted in the "Create" submenu of the main context menu.</p>
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		<div style="border: 1px solid #ccc; padding: 10px;"> <p>Edit Bins [Id]</p> <p>New field name: <input type="text" value="Index (bin)"/></p> <p>Size of bins: <input type="text" value="20"/> <input type="button" value="Suggest Bin Size"/></p> <p>Range of Values:</p> <p>Min: <input type="text" value="20"/> Diff: <input type="text" value="580"/></p> <p>Max: <input type="text" value="600"/> CntD: <input type="text" value="30"/></p> <p style="text-align: right;"><input type="button" value="OK"/> <input type="button" value="Cancel"/></p> </div>																						
3.	Utilization of Filters	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>Top 10 States by Toy Manufacturers in year 2005</p> <table border="1"> <thead> <tr> <th>State</th> <th>Total Manufacturers</th> </tr> </thead> <tbody> <tr><td>United States</td><td>7,743</td></tr> <tr><td>California</td><td>414</td></tr> <tr><td>New York</td><td>372</td></tr> <tr><td>Pennsylvania</td><td>372</td></tr> <tr><td>Florida</td><td>372</td></tr> <tr><td>Illinois</td><td>372</td></tr> <tr><td>Ohio</td><td>284</td></tr> <tr><td>Colorado</td><td>284</td></tr> <tr><td>Texas</td><td>279</td></tr> <tr><td>Michigan</td><td>279</td></tr> </tbody> </table> </div> <div style="width: 45%;">  <p>Analysis of number of Manufacturers by year</p> <p>Total Manufacturers</p> <p>Year</p> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>Market Trend Intensity by State and Year</p> <p>Total Manufacturers</p> <p>Year</p> </div> <div style="width: 45%;">  <p>Index (bin)</p> <p>Total Manufacturers</p> <p>Number of Manufacturers</p> <p>Year</p> </div> </div>	State	Total Manufacturers	United States	7,743	California	414	New York	372	Pennsylvania	372	Florida	372	Illinois	372	Ohio	284	Colorado	284	Texas	279	Michigan	279
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4. Calculation fields Used	 <p>The screenshot shows the Tableau Data Analytics interface. At the top, there are tabs for 'Data' and 'Analytics'. Below the tabs, a search bar contains the text 'week 39 - us toy m...'. To the right of the search bar are icons for refresh, magnifying glass, and a grid. The main area is titled 'Tables' and lists several calculated fields:</p> <ul style="list-style-type: none"> Index (bin) State Year <i>Measure Names</i> # Id # Index # Number of Manufact... # Latitude (generated) # Longitude (generated) # week 39 - us toy ma... # Measure Values
5. Dashboard design	<p>No of Visualizations / Graphs –</p> <ol style="list-style-type: none"> 1. Analysis of the number of Manufacturers by Year 2. Analysis of Toy Manufacturer by Index 3. Analysis of toy Manufacturers in US state By Index 4. Analysis of Toy Manufacturers <p><i>ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data</i></p>  <p>The dashboard contains five visualizations:</p> <ul style="list-style-type: none"> Top 10 States by Toy Manufacturers in year 2005: A horizontal bar chart showing the count of manufacturers for various states in 2005. The top states are United States (7,743), New York (414), Pennsylvania (392), Illinois (372), Colorado (284), Michigan (279), etc. Analysis of number of Manufacturers by year: A line chart showing the total number of manufacturers from 2006 to 2016. The count starts around 1,500 in 2006 and remains relatively stable until 2014, then drops to about 1,000 by 2016. Contribution of States to Total Toy Manufacturers: A stacked bar chart showing the count of manufacturers for each state contributing to the total. The states shown include Arizona, Connecticut, Hawaii, Iowa, Maine, Minnesota, Nebraska, New Mexico, Ohio, Puerto Rico, Tennessee, Vermont, and Wisconsin. Analysis on Toy Manufacturers by Index: A vertical bar chart showing the total number of manufacturers across different index bins. The x-axis represents the index bin (500, 350, 400, 500, 100, 150, 200, 250, 300) and the y-axis represents the total manufacturers (0 to 1500). Market Trend Intensity by State and Year: A bubble chart showing market trend intensity for three states: Alabama, Alaska, and Arizona. The x-axis represents the year (2004 to 2016) and the y-axis represents the number of manufacturers (1 to 11). The size of the bubbles corresponds to the market trend intensity. <p>5. Top 10 states toy manufacturer in US state</p>

6	Story Design	<p>No of Visualizations / Graphs –</p> <ol style="list-style-type: none"> 1. Analysis of the number of Manufacturers by Year 2. Analysis of Toy Manufacturer by Index 3. Analysis of toy Manufacturers in US state By Index 4. Analysis of Toy Manufacturers 5. Top 10 states toy manufacturer in US state <div data-bbox="649 473 1351 1079"> <p>Market trend Analysis Analysis on Number of Manufacturers by Year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Total Manufacturers</th> </tr> </thead> <tbody> <tr> <td>2010</td> <td>~1000</td> </tr> <tr> <td>2011</td> <td>~1200</td> </tr> <tr> <td>2012</td> <td>~1150</td> </tr> <tr> <td>2013</td> <td>~1050</td> </tr> <tr> <td>2014</td> <td>~1000</td> </tr> <tr> <td>2015</td> <td>~1100</td> </tr> <tr> <td>2016</td> <td>~1100</td> </tr> </tbody> </table> </div>	Year	Total Manufacturers	2010	~1000	2011	~1200	2012	~1150	2013	~1050	2014	~1000	2015	~1100	2016	~1100
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