TIBCO Spotfire Course Curriculum

Topics – To be covered over a period of 3 days (2.5 hours per day)

1.   Introduction to TIBCO Spotfire 10.4

2.   How to download the current trial version and setup, and a brief introduction to what features and functionalities are available in the trial version

3.   How to connect to a data source in Spotfire 10.4 and how to wrangle data in spotfire

a.   Creating Data Tables in Spotfire

b.   Data Table Properties in Spotfire 10.4

c.   Linked or Embedded Data in Spotfire

d.   On-Demand Data Loading in Spotfire

e.   Managing Relationships between multiple data tables in spotfire

f.   Brief discussion about scheduled updates of data table (trial version doesn't support this functionality much so can't be dealt with in detail)

g.   Data Table - Column Properties (Calculated Columns creation, Binned Column Creation, Hierarchy Creation, Formatting, Sort Order)

h.   Transformations in Spotfire (Pivot, Unpivot, Replace Column / Replace Values etc.)

i.   Data Canvas in Spotfire (only limited to adding new rows to already loaded data as it is a trial version software)

4.   Creating a dashboard page in spotfire

a.   Canvas styling

b.   Canvas themes in spotfire. Creating a custom theme.

5.   Working with Data Filters

a.   Types of Filters in Spotfire (Check Box, Range Filters, List Box Etc.)

b.   Organizing Filters (choosing which filters could be shown / hidden per data table)

c.   Filtering Scheme (Usage, Creation)

d.   Filtering Scheme Properties, Creating a Filter Group

e.   How does a common filter work for two data tables in spotfire (complex functionality including filtering)

6.   Markings in Spotfire (Usage, Creation)

7.   Types of Visualizations in Spotfire (Table, Plots, Charts etc.) and how to configure those with the data loaded into spotfire memory

a.   Table

b.   Cross Table

c.   Summary Table

d.   Graphical Table

e.   Bar Chart (Vertical, Horizontal, Side by Side, Stacked, 100% Stacked)

f.   Line Chart

g.   Combination Chart

h.   Pie-Chart

i.   Scatter Plot

j.   TreeMap

k.   Heat Map

l.   KPI Chart

m.   Box Plot

8.   Text Area Visualization in Spotfire (one of the most useful vis) and the custom development we could do in there using HTML + CSS + JS

(if the trial version doesn't allow certain functionalities to be implemented without a full version software, we can give a demo and show how the

build could be completed) (Trial Version Limitations apply)

9.   **Brief introduction to Data Functions in spotfire (Trial Version Limitations apply)**

a.   Installing R Packages / CRAN Packages

b.   Registering basic R Data functions in spotfire and using them

10.   **Saving the dashboard (*.dxp file to a spotfire library)**