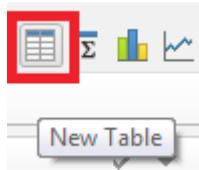


Chapter 01



6404_01_BaseballPlayerData - TIBCO Spotfire

File Edit View Insert Tools Help

Page

6404_01_BaseballPlayerData

Team	League	Games Played	At Bats
Detroit	AL	86	343
NY Mets	NL	87	275
Detroit	AL	87	334
Washington	NL	87	309
NY Mets	NL	87	267
Arizona	NL	88	161
Texas	AL	88	308
Baltimore	AL	89	219
Houston	NL	91	109
Baltimore	AL	91	303
Colorado	NL	92	237
Cincinnati	NL	92	332
Pittsburgh	NL	93	297
San Diego	NL	93	284
St. Louis	NL	93	295
Philadelphia	NL	94	159

Marking: **Marking**

Filters

Type to search filters

Team

Type to search in list

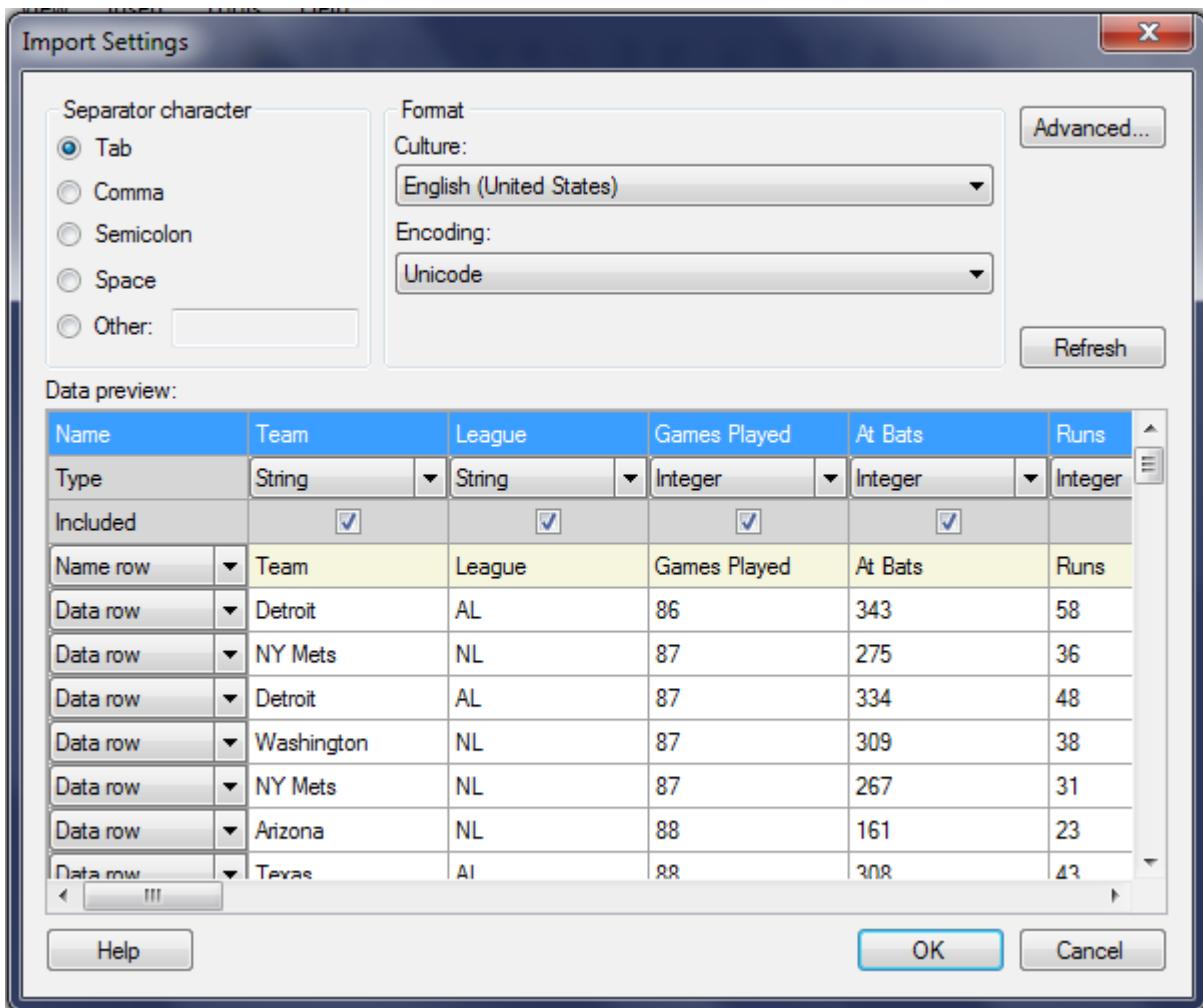
(All) 30 values

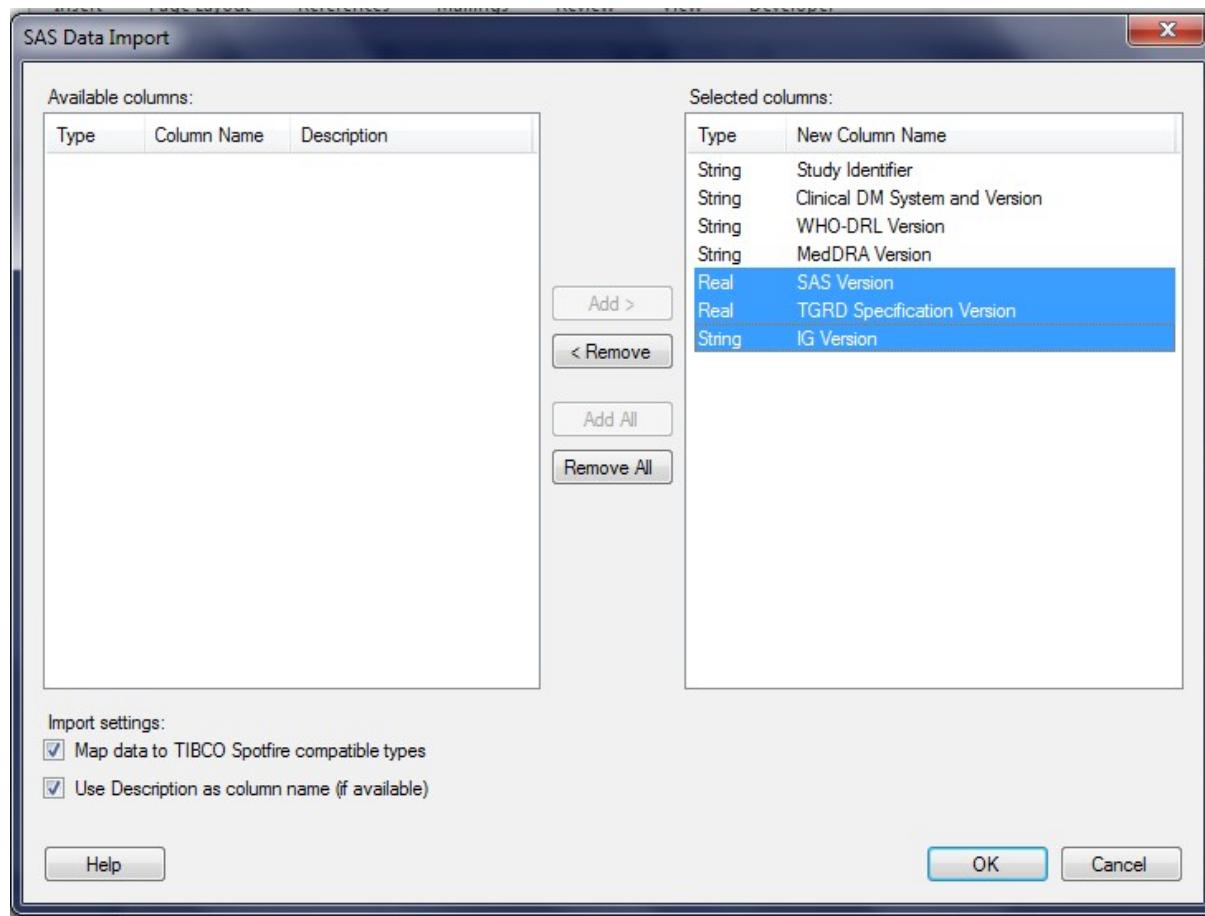
- Arizona
- Atlanta
- Baltimore

Details-on-Demand

Team League

Offline 278 of 278 rows | 0 marked | 37 columns



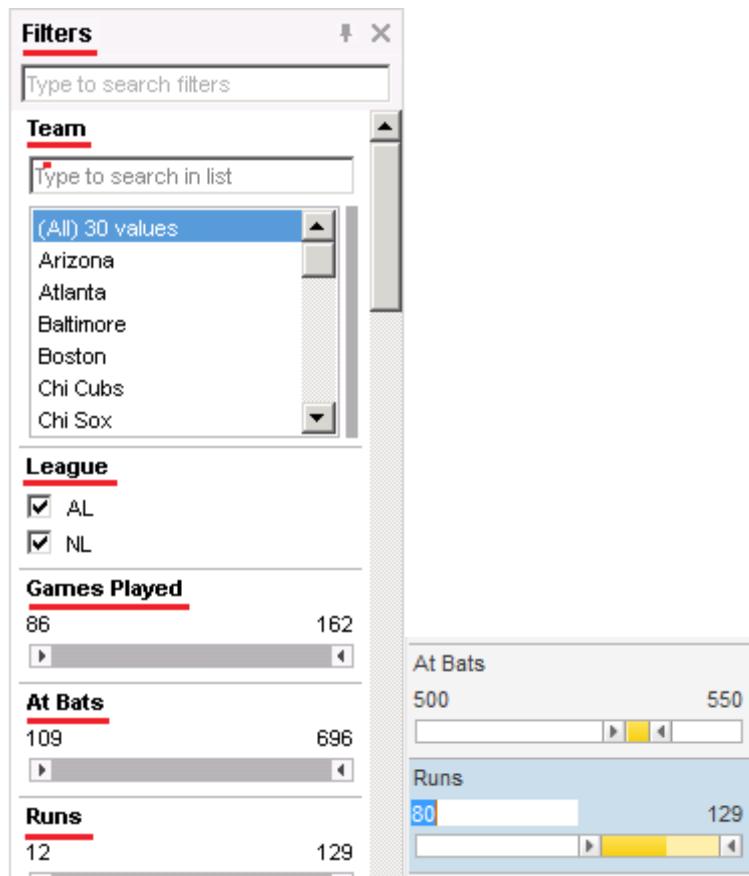


Invalid Data File

	A	B	C
1	Department	First Name	Last Name
2	Marketing	John	Brown
3		Amit	Singh
4		Sofia	Garcia
5	Finance	Hina	Sato
6		Marie	Schmidt

Valid Data File

	A	B	C
1	Department	First Name	Last Name
2	Marketing	John	Brown
3	Marketing	Amit	Singh
4	Marketing	Sofia	Garcia
5	Finance	Hina	Sato
6	Finance	Marie	Schmidt



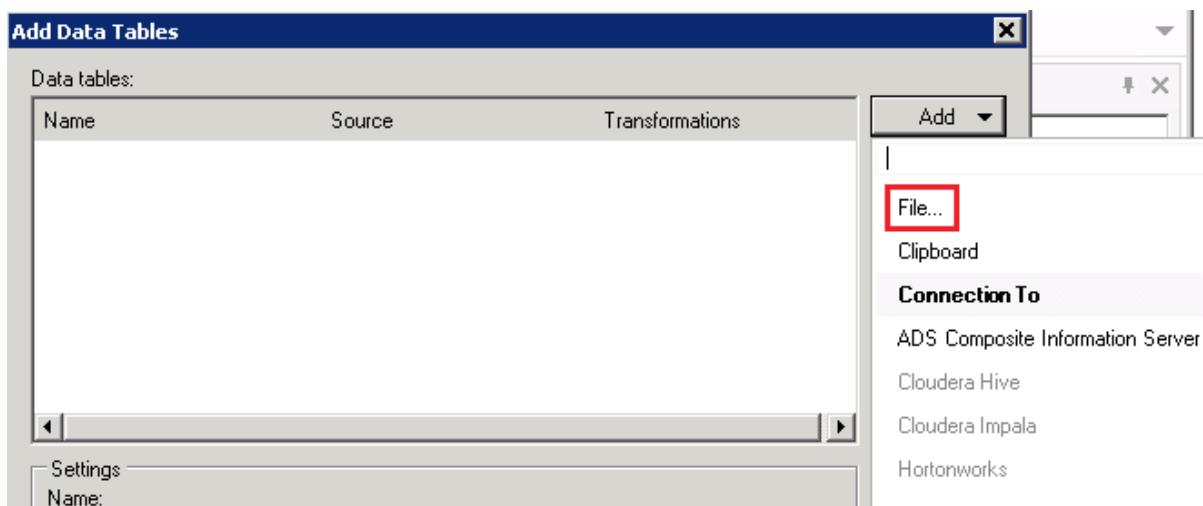
6404_01_BaseballPlayerData

Team	League	Games Played	At Bats	Runs
Chi Sox	AL	129	507	80
Cleveland	AL	141	504	82
LA Angels	AL	141	520	95
Florida	NL	144	521	81
Colorado	NL	144	509	92
Philadelphia	NL	147	543	93
Milwaukee	NL	148	538	87
Houston	NL	150	526	86
NY Mets	NL	150	550	85
Milwaukee	NL	158	537	80
San Diego	NL	158	545	92
Cincinnati	NL	160	543	107



Department	First Name	Last Name
Marketing	John	Brown
Marketing	Sofia	Garcia
Finance	Hina	Sato
Finance	Marie	Schmidt
Marketing	Amit	Singh

Department	Cost Center
Finance	253
IT	110
Marketing	123
Operations	532
Sales	221



Data Table Properties

Data tables:

6404_01_BaseballPlayerData (Default)	Rename...
6404_01_BaseballTeamData	Refresh Data ▾
	Delete
	Set as Default

General | Source Information | Relations | Column Matches | Properties | Scheduled Updates |

Store data:

Embedded in analysis
 Linked to source
 Prompt for new settings before loading

Key columns for linked data:

Specify key columns to keep tags, bookmarks and markings after reload

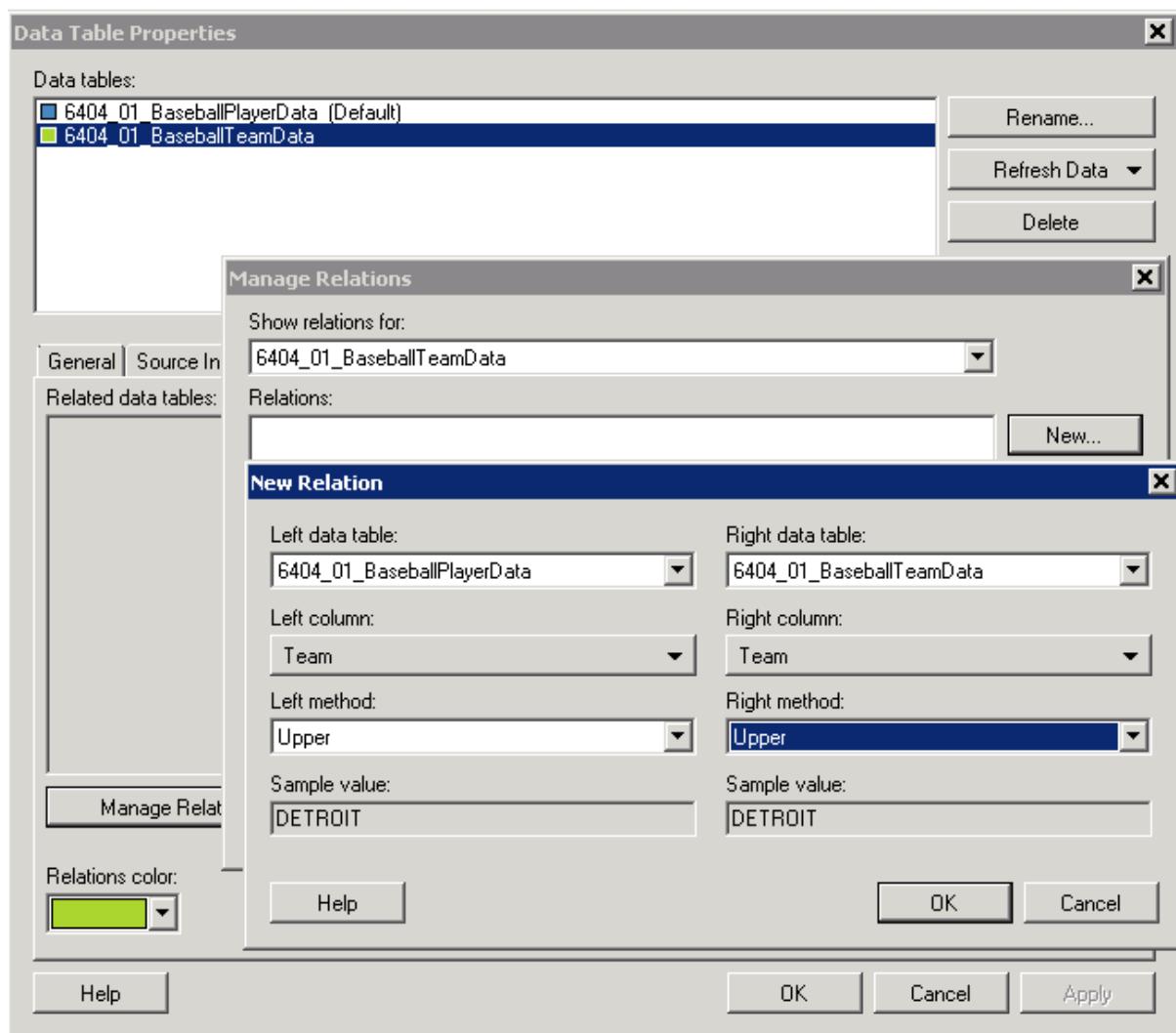
Type of data:

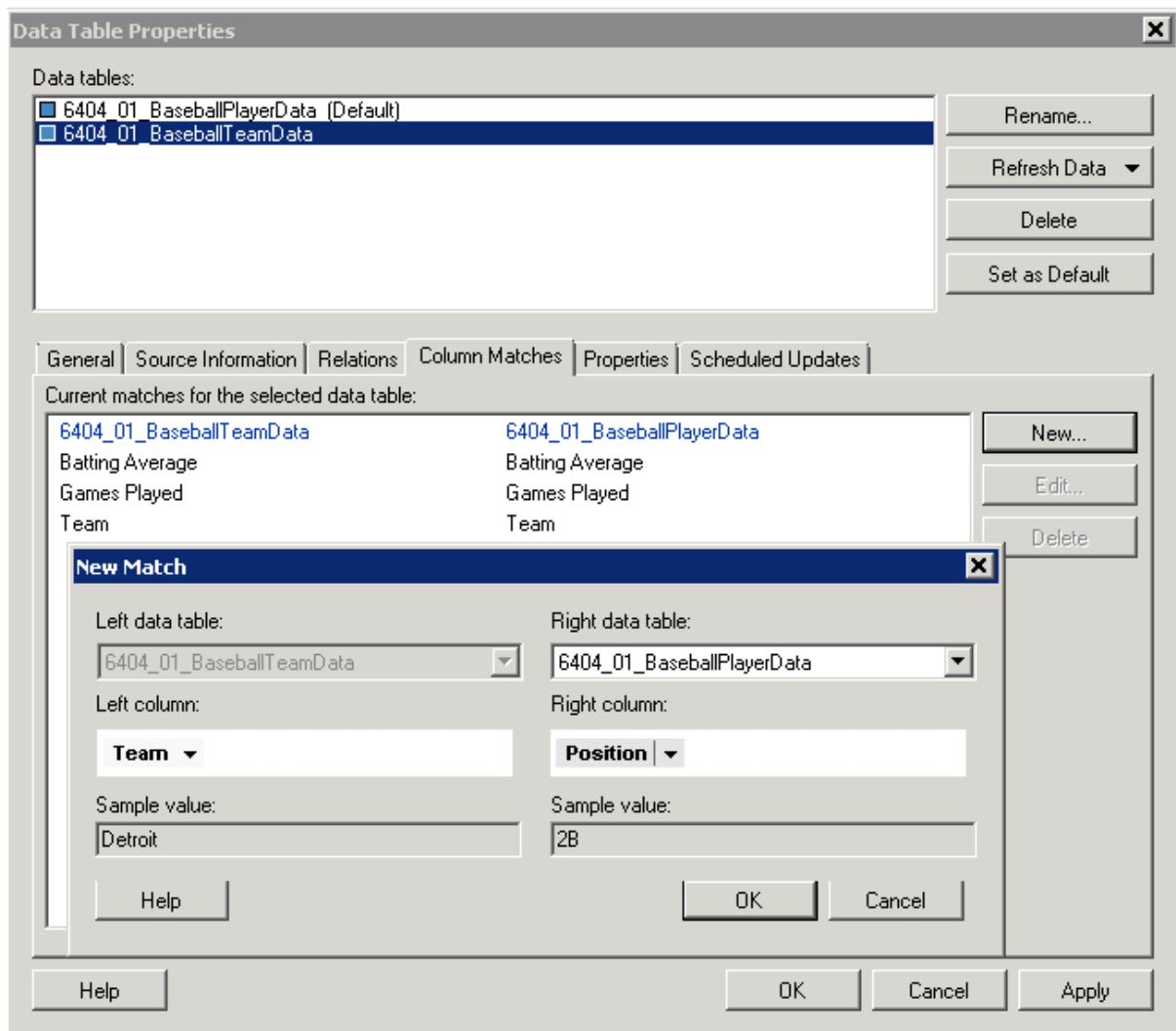
Imported

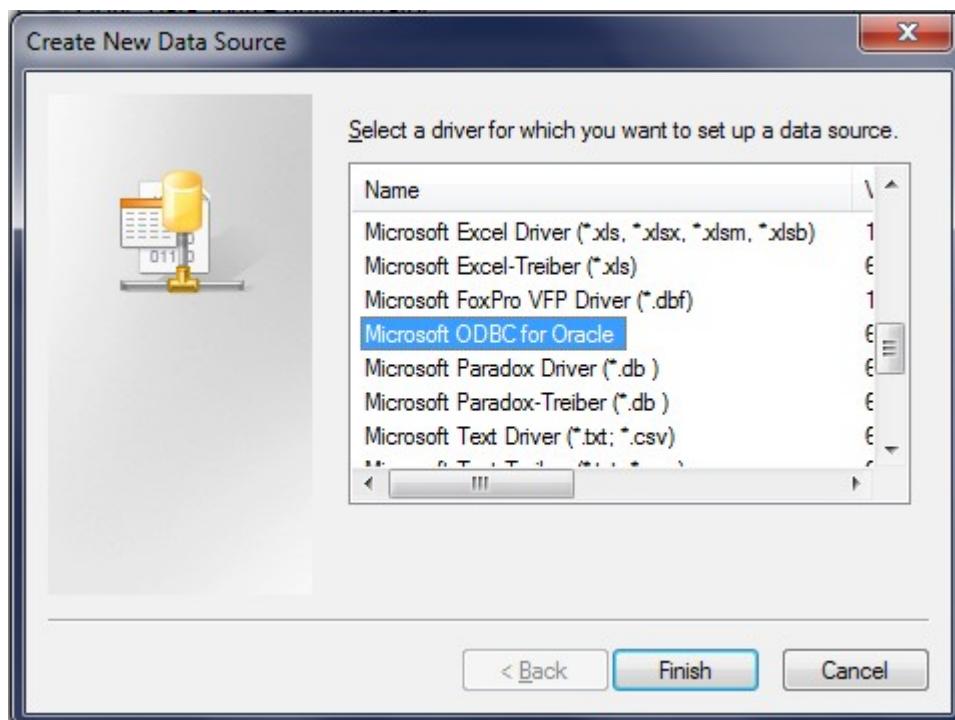
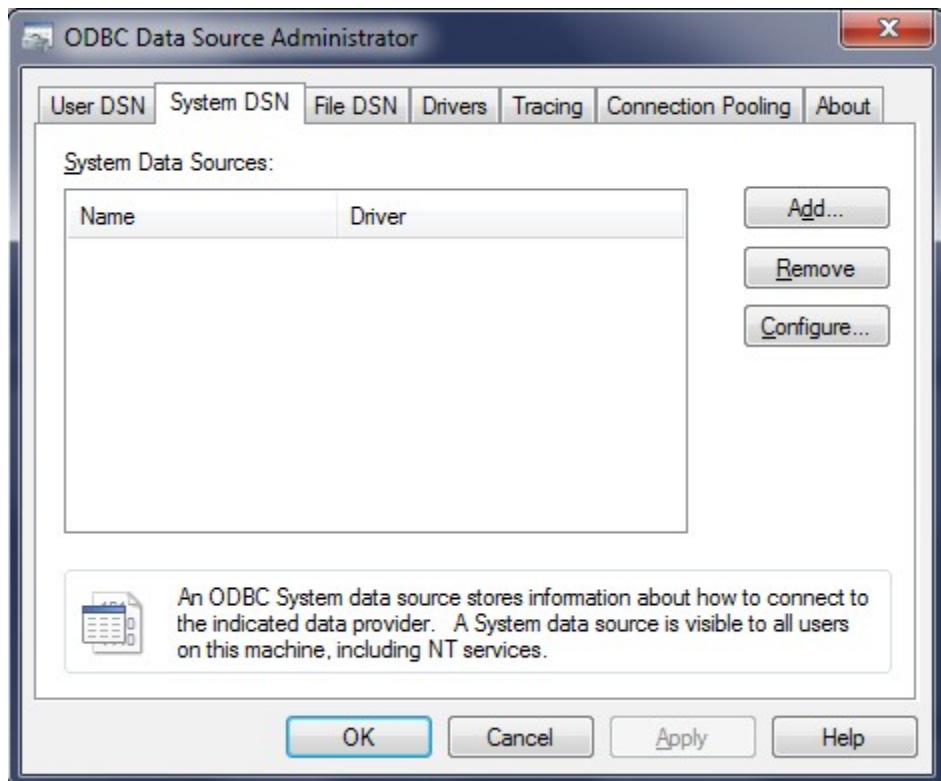
Filters:

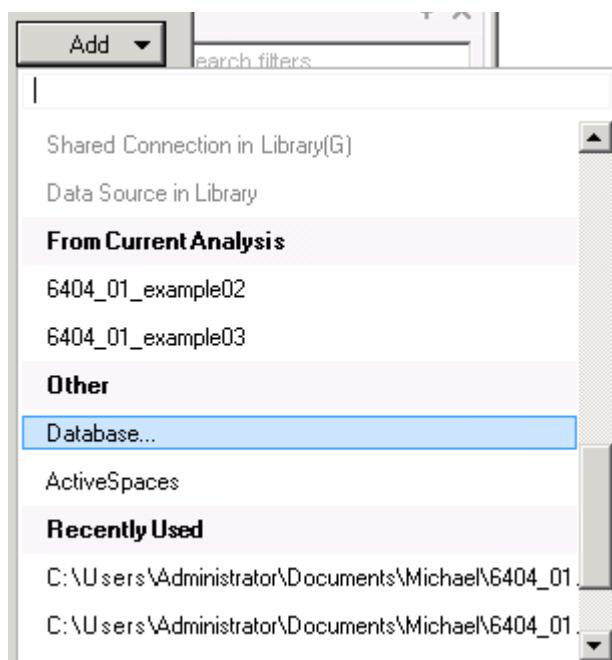
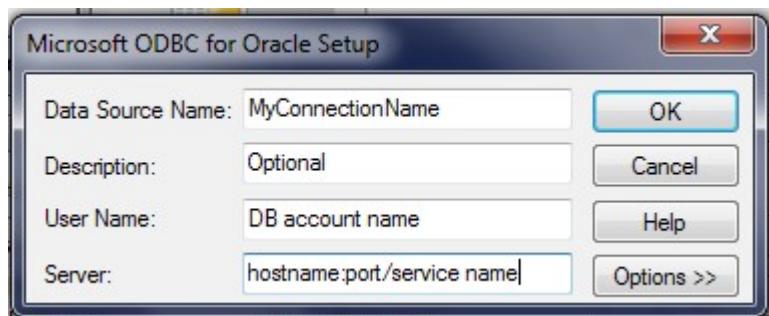
Create automatically for all columns
 Manage manually

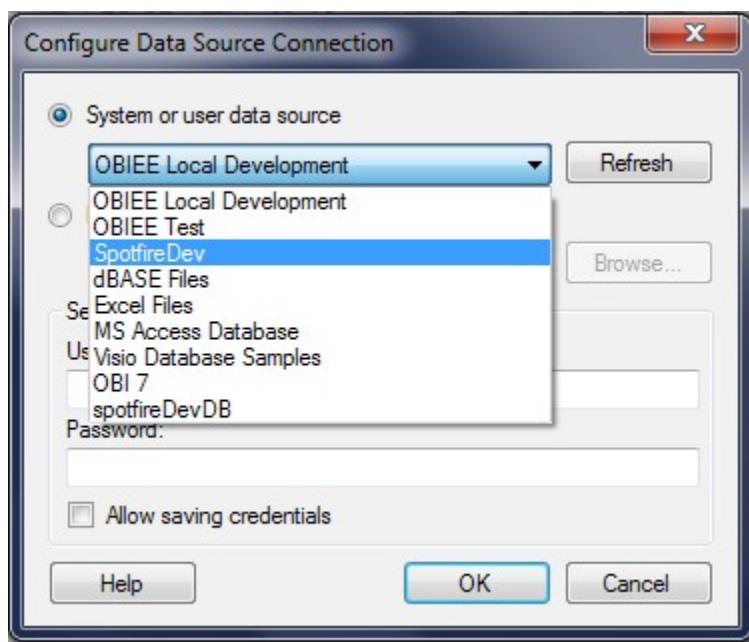
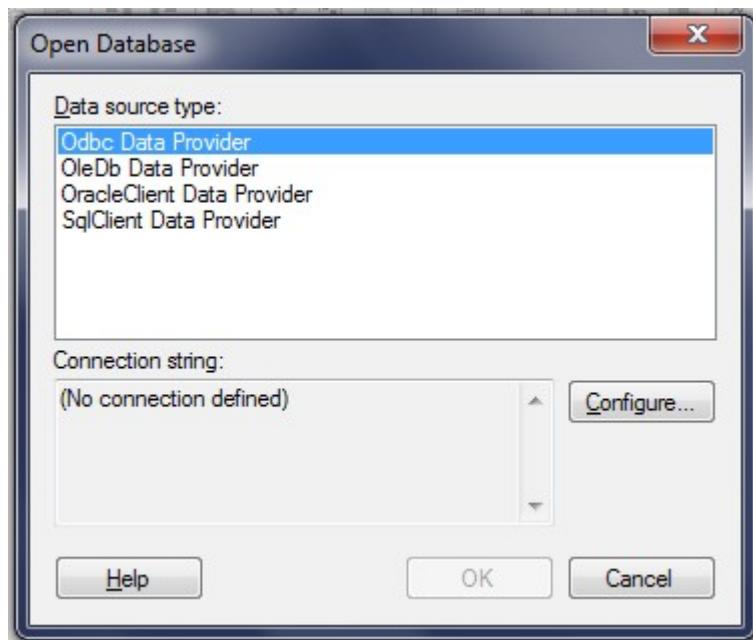
Show in visualization data table selectors
 Cache calculated columns

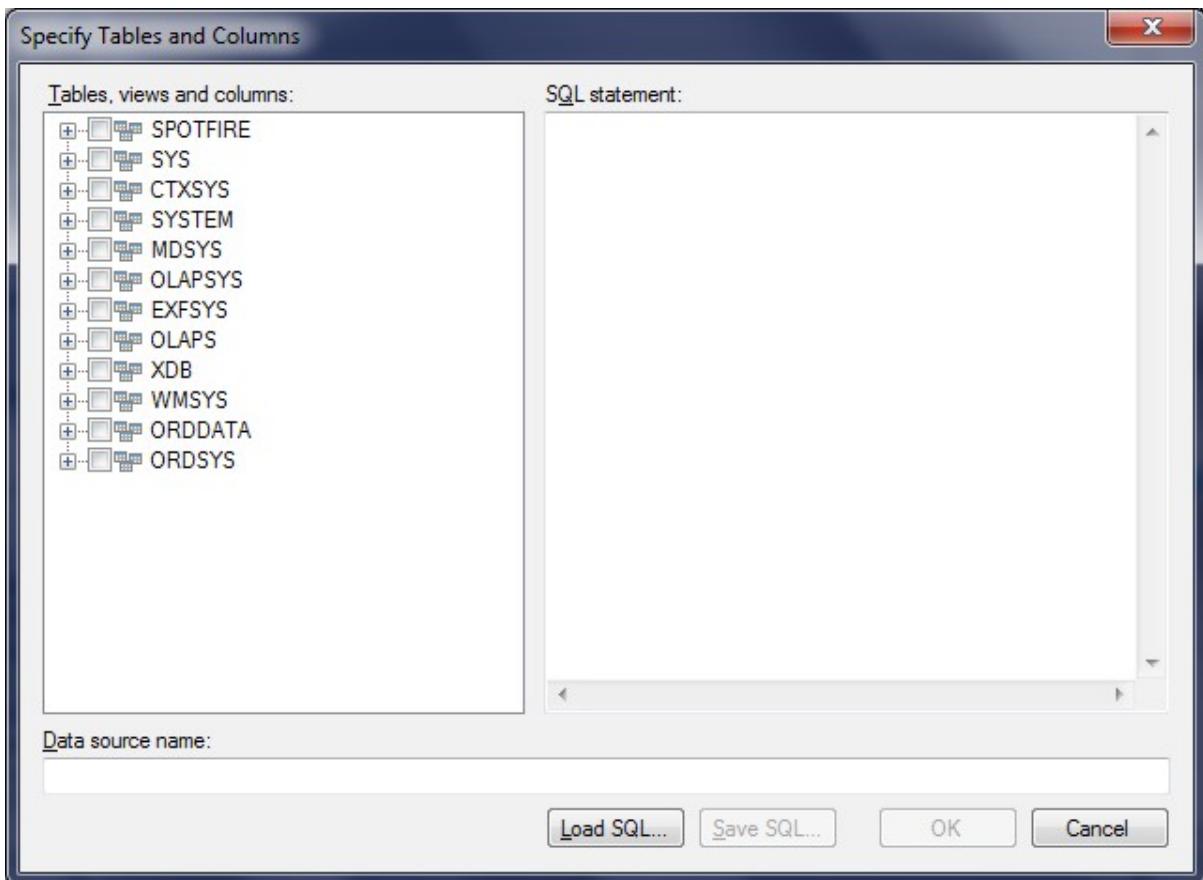


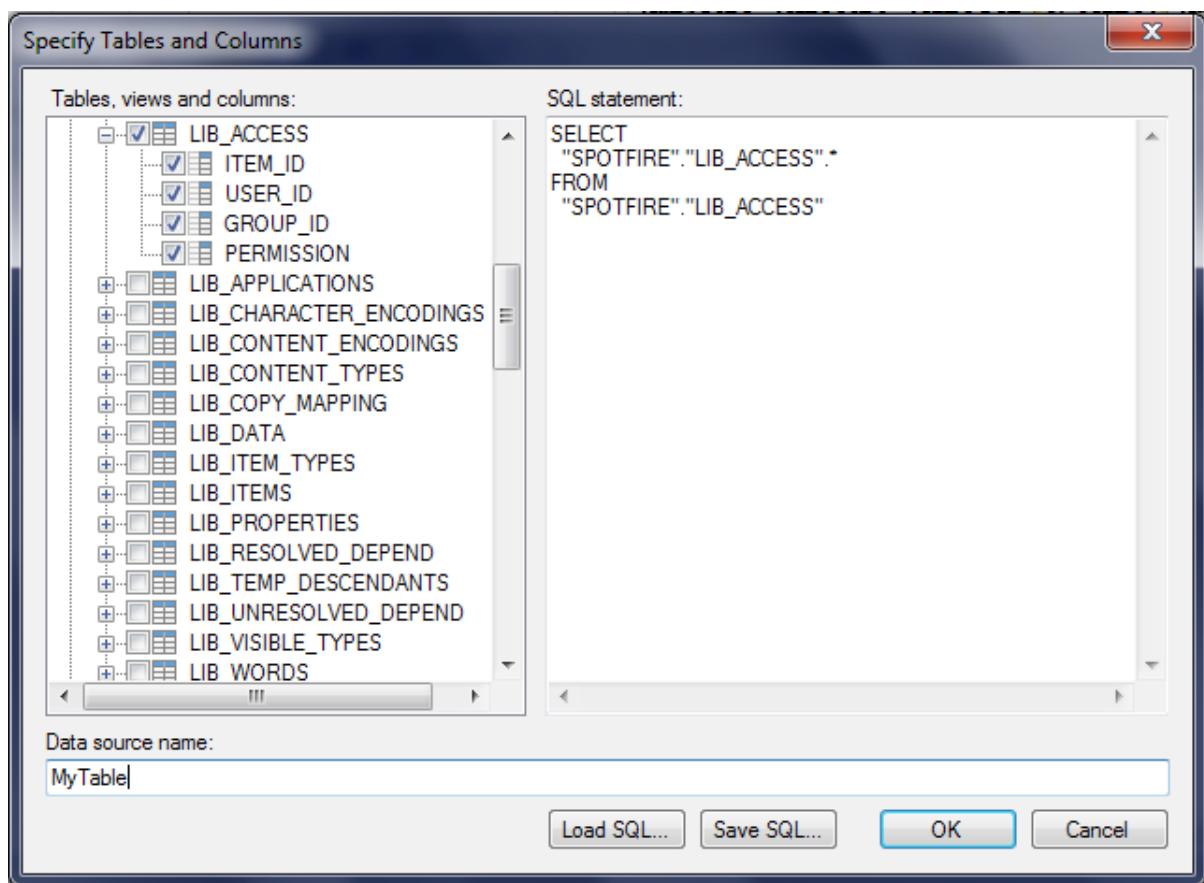












Open File

Files of type DXP, SBDF, TXT, XLSX, CSV, etc...



Open from Library

Analyses, information links and data connections.



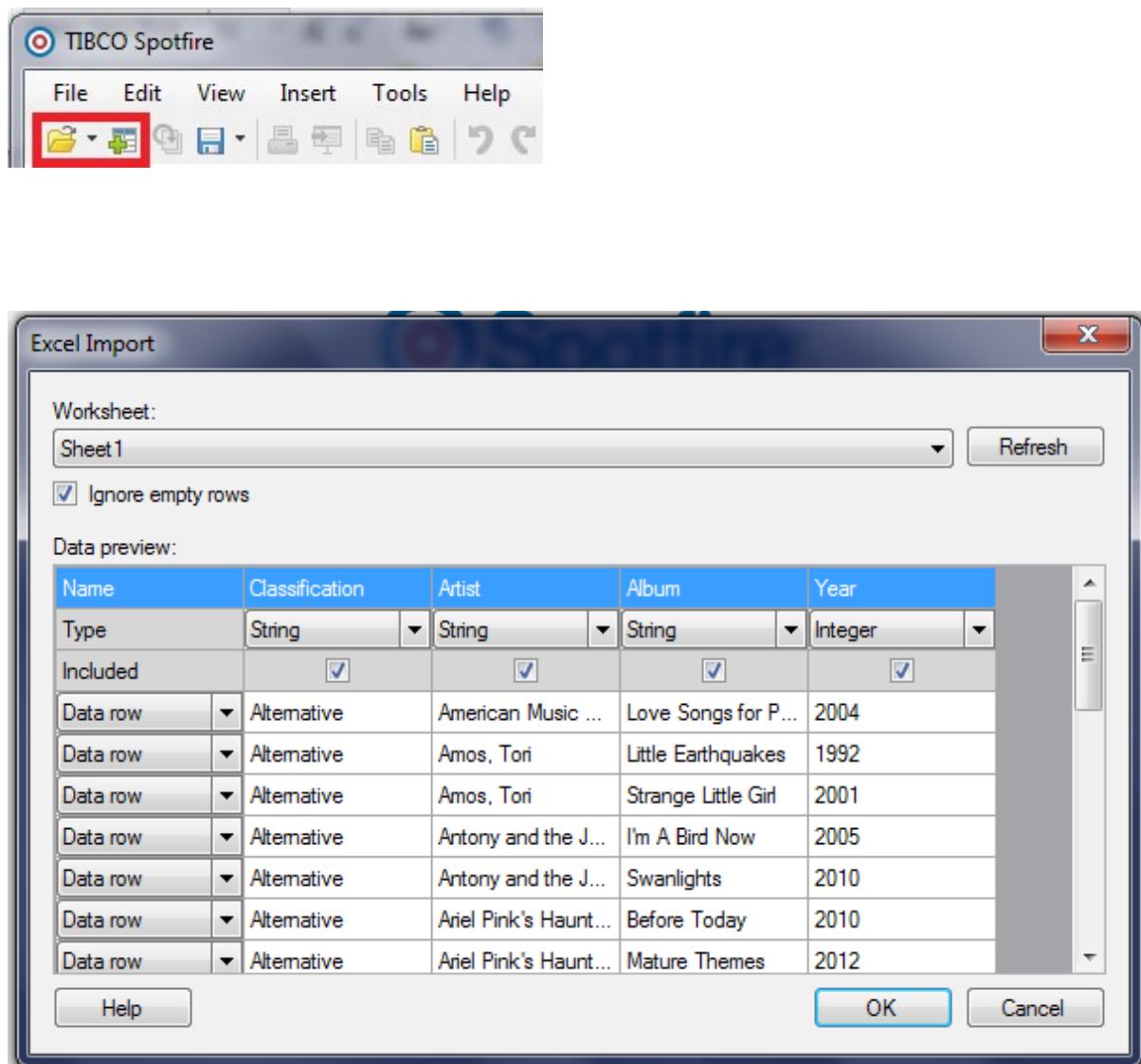
Add Data Tables

Data tables from multiple sources.

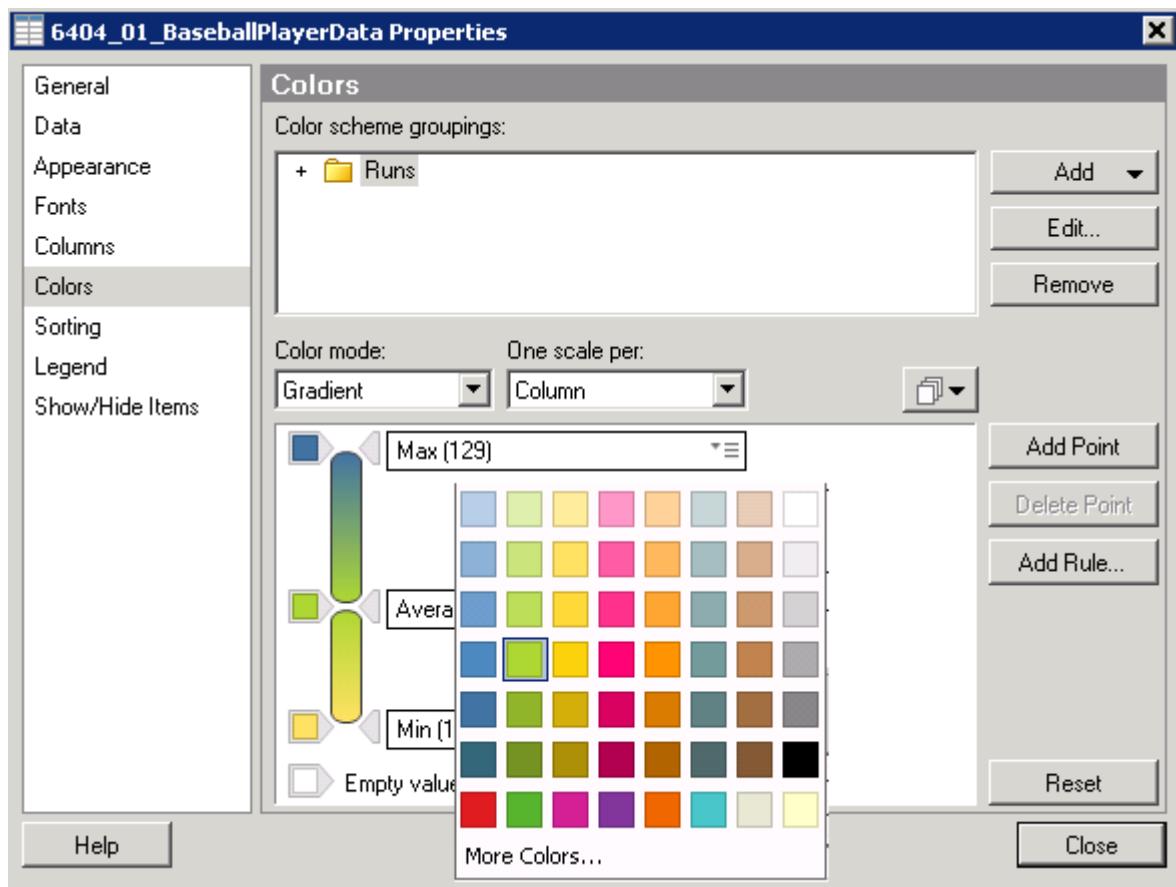


Add Data Connection

[ADS Composite Information Server](#), [Microsoft SQL Server](#), [Microsoft SQL Server Analysis Services](#), [Teradata](#), [Other...](#)



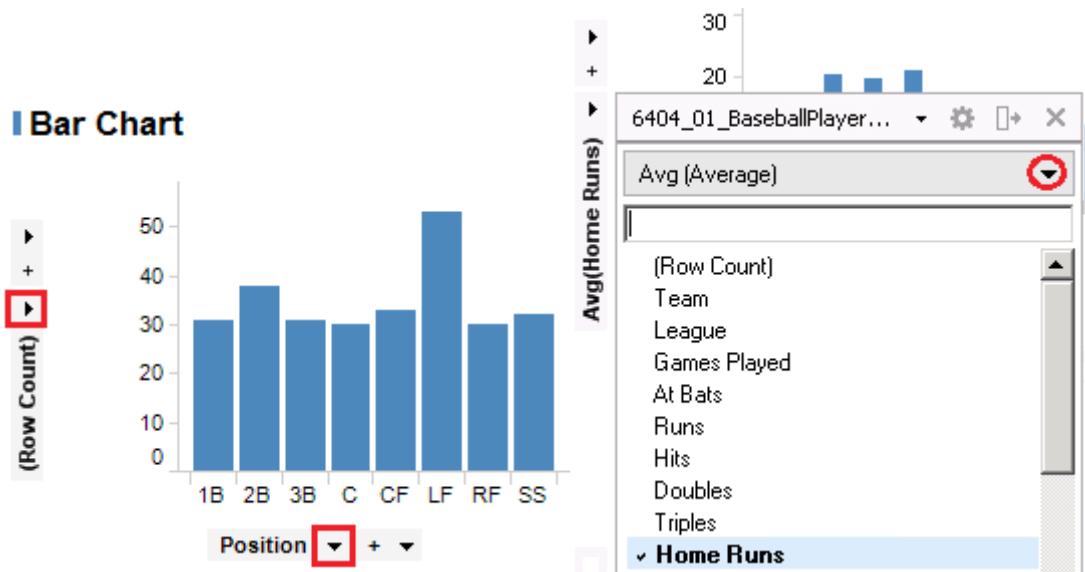
Chapter 02



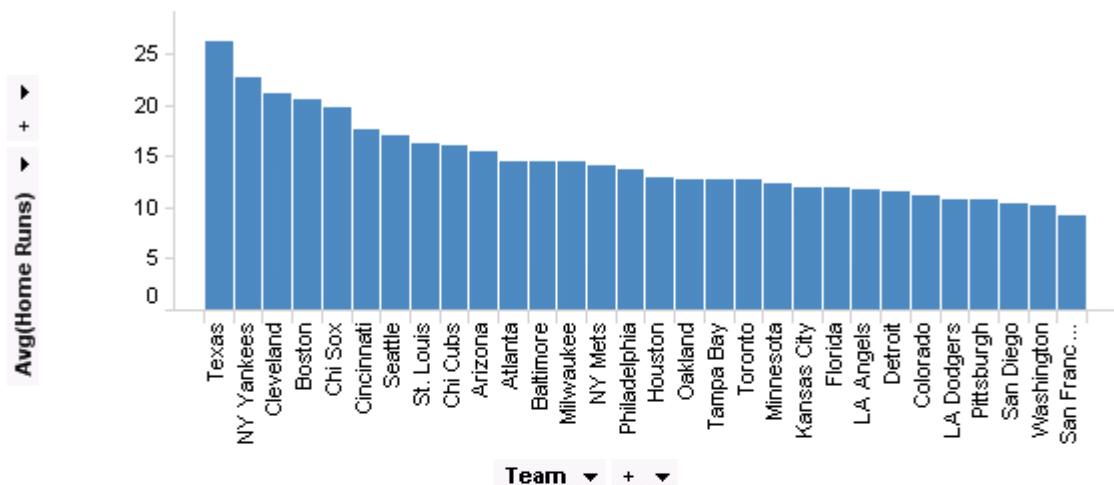
6404_01_BaseballPlayerData

Team	League	Games Played	At Bats	Runs
NY Yankees	AL	154	584	104
NY Yankees	AL	159	654	122
NY Yankees	AL	162	629	108
NY Yankees	AL	162	605	124
Oakland	AL	116	377	55
Oakland	AL	118	381	48
Oakland	AL	122	434	76
Oakland	AL	131	462	66
Oakland	AL	134	464	52
Oakland	AL	139	582	75
Oakland	AL	150	601	70
Oakland	AL	160	625	92
Philadelphia	NL	94	159	17

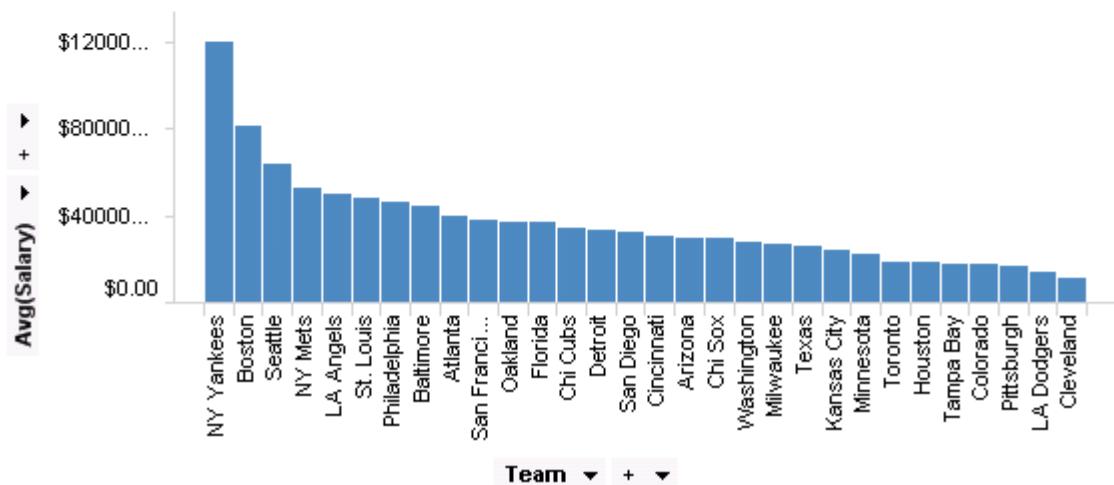
Bar Chart

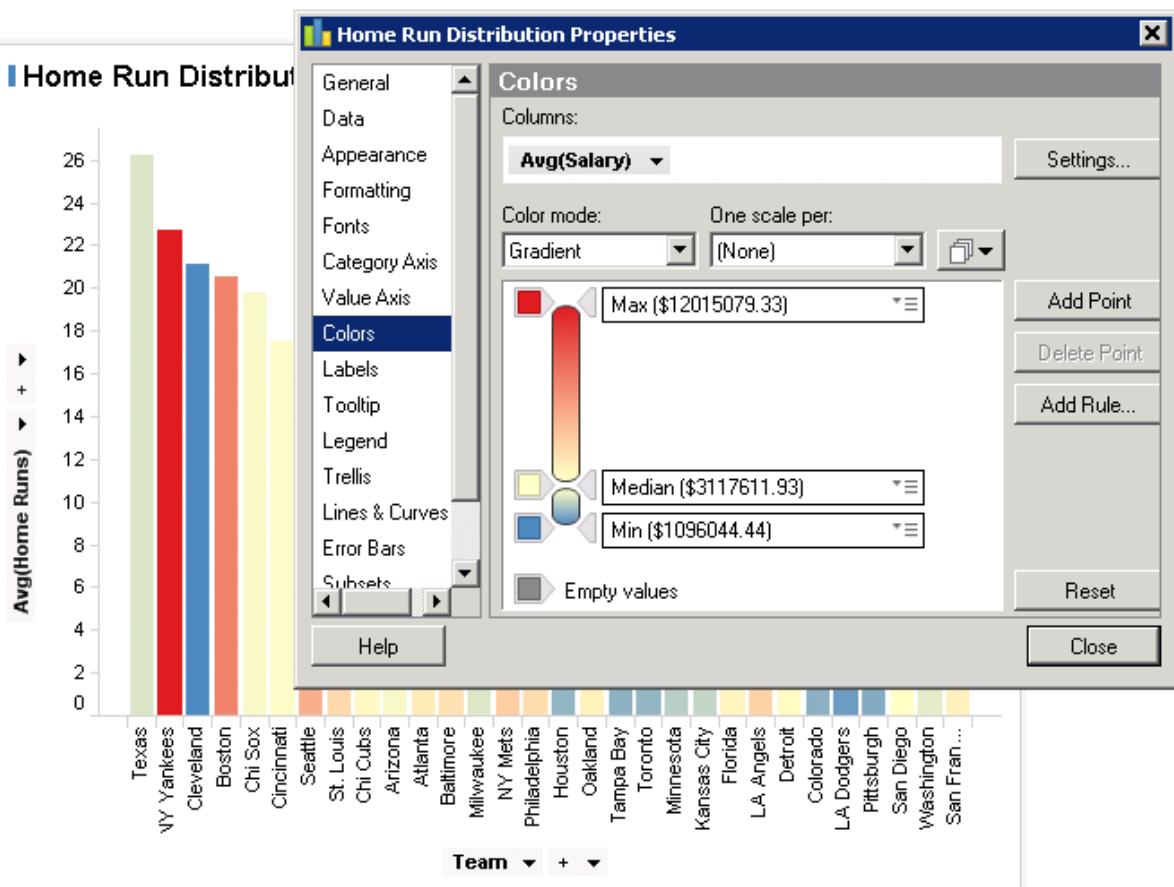


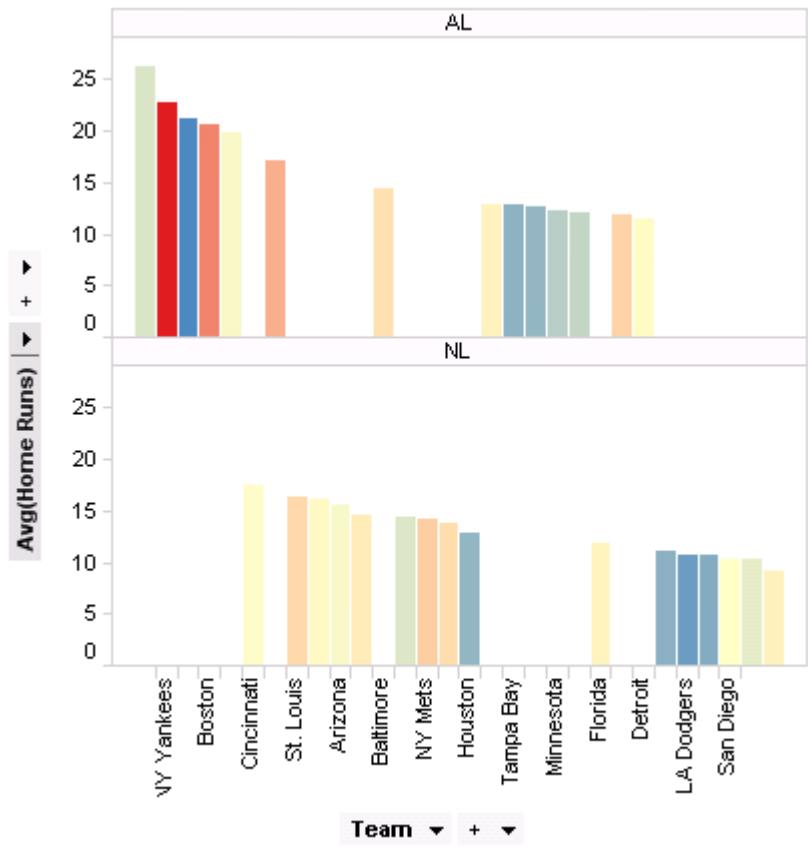
Home Run Distribution



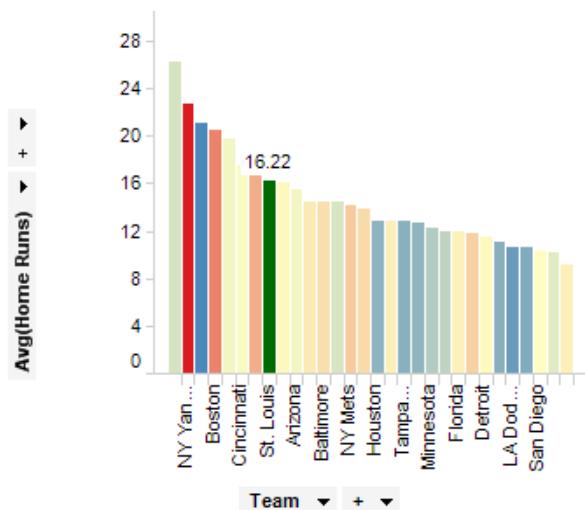
Salary Distribution



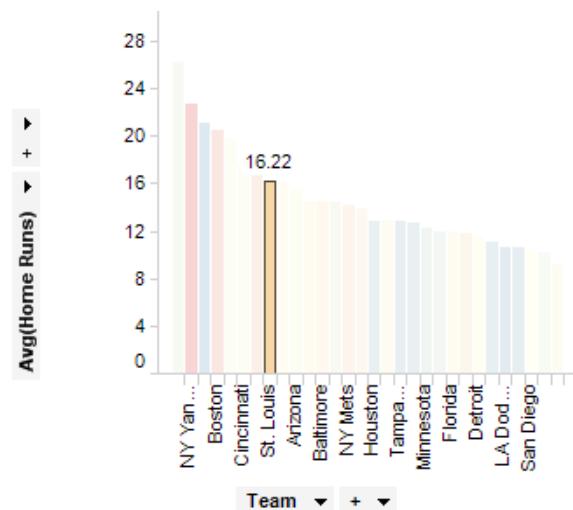


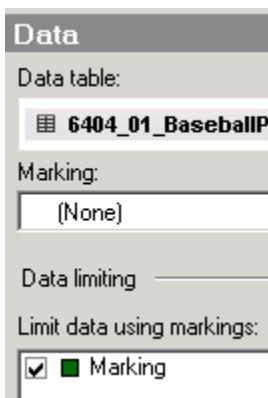
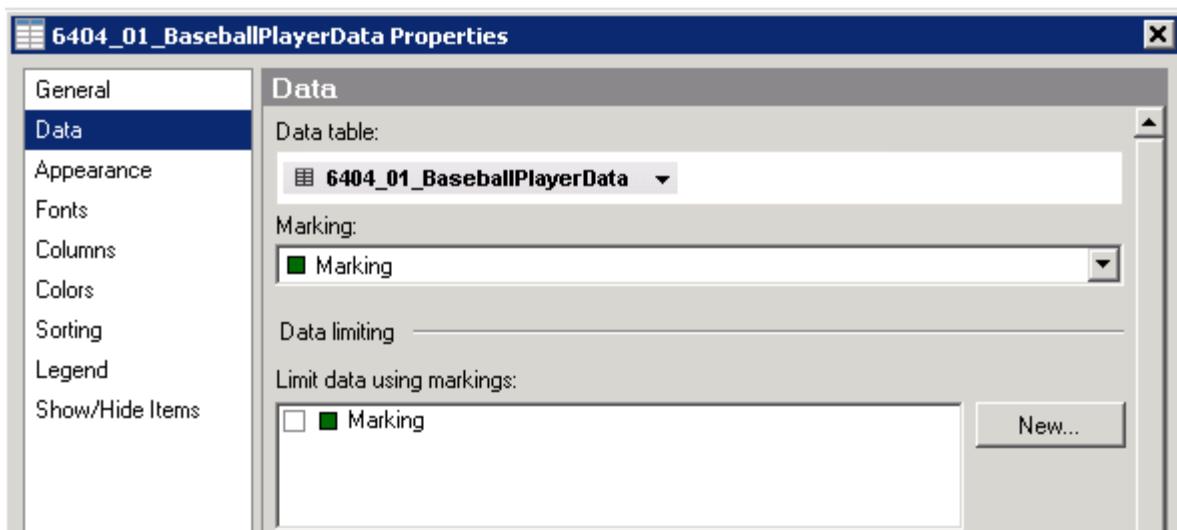


Home Runs

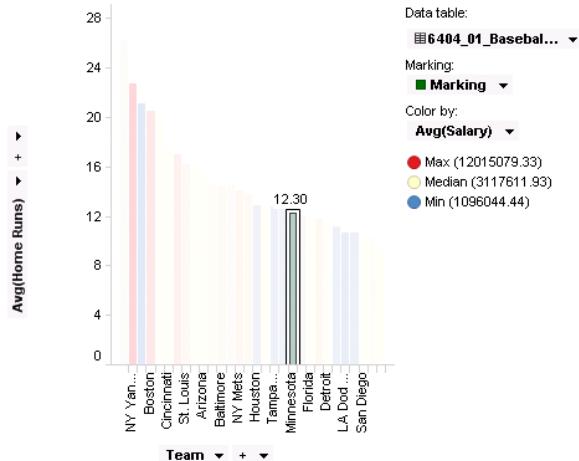


Home Runs

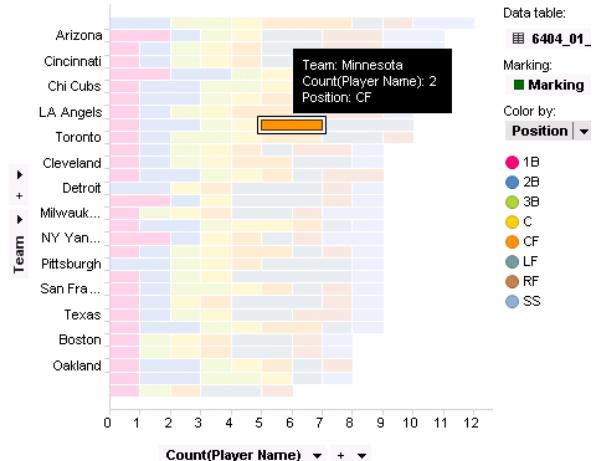




Home Runs



Roster

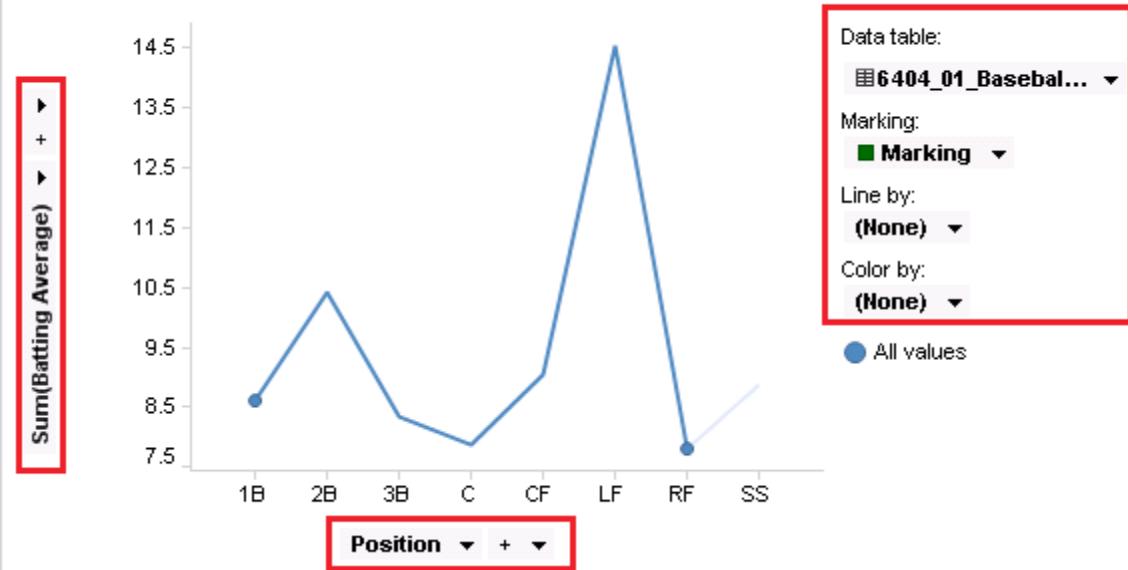


Details

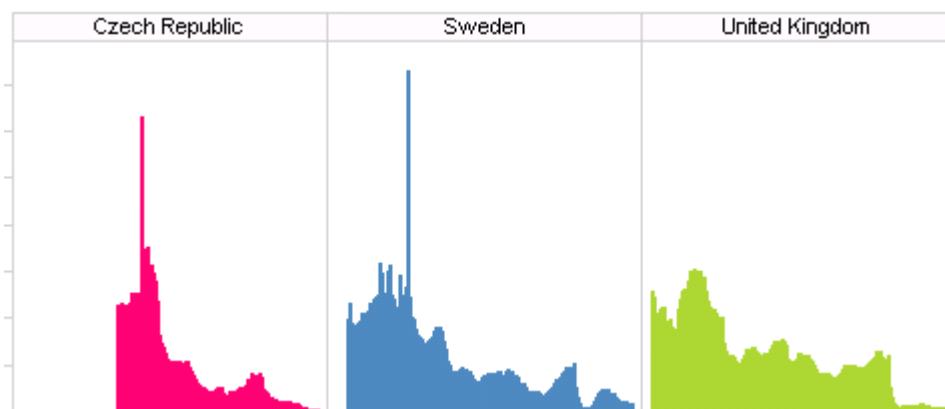
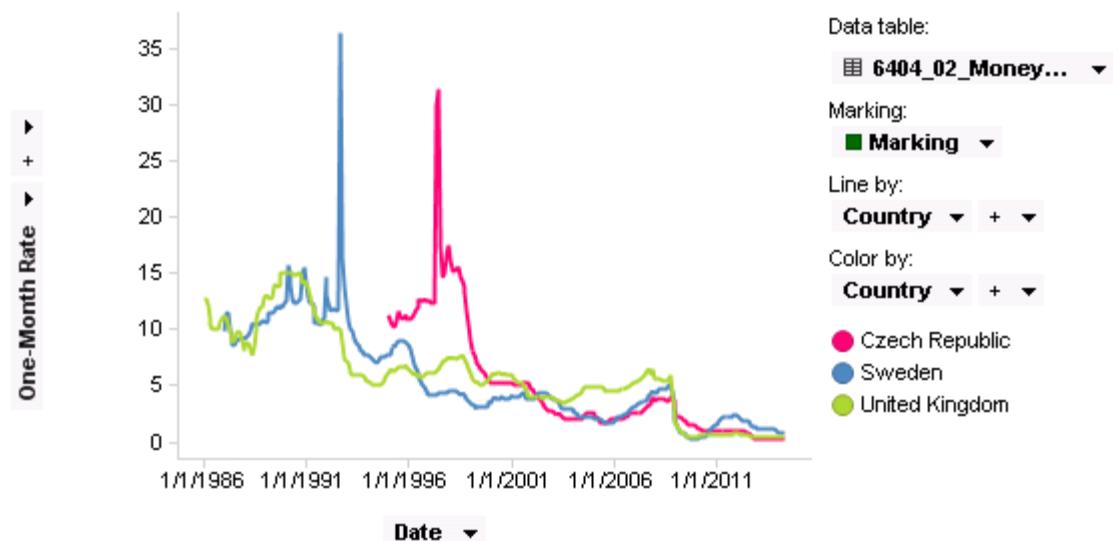
Team	Player Name	Games Played	Home Runs	Salary	Position
Minnesota	Torii Hunter	98	14	8000000	CF
Minnesota	Lew Ford	147	7	385000	CF



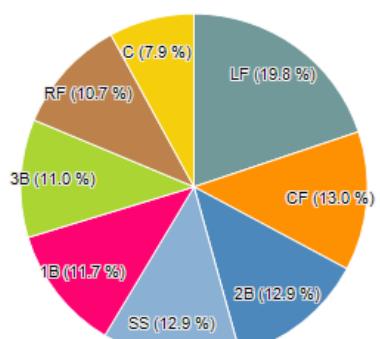
Line Chart



Interest Rates 1986-2014



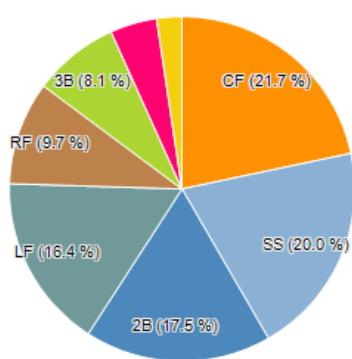
I Sum(Runs) per Position



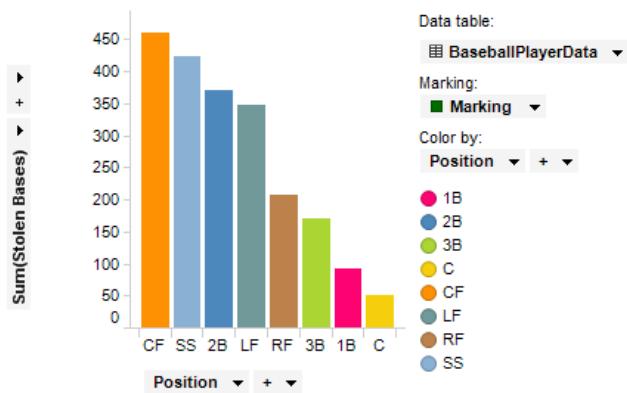
I Bar Chart

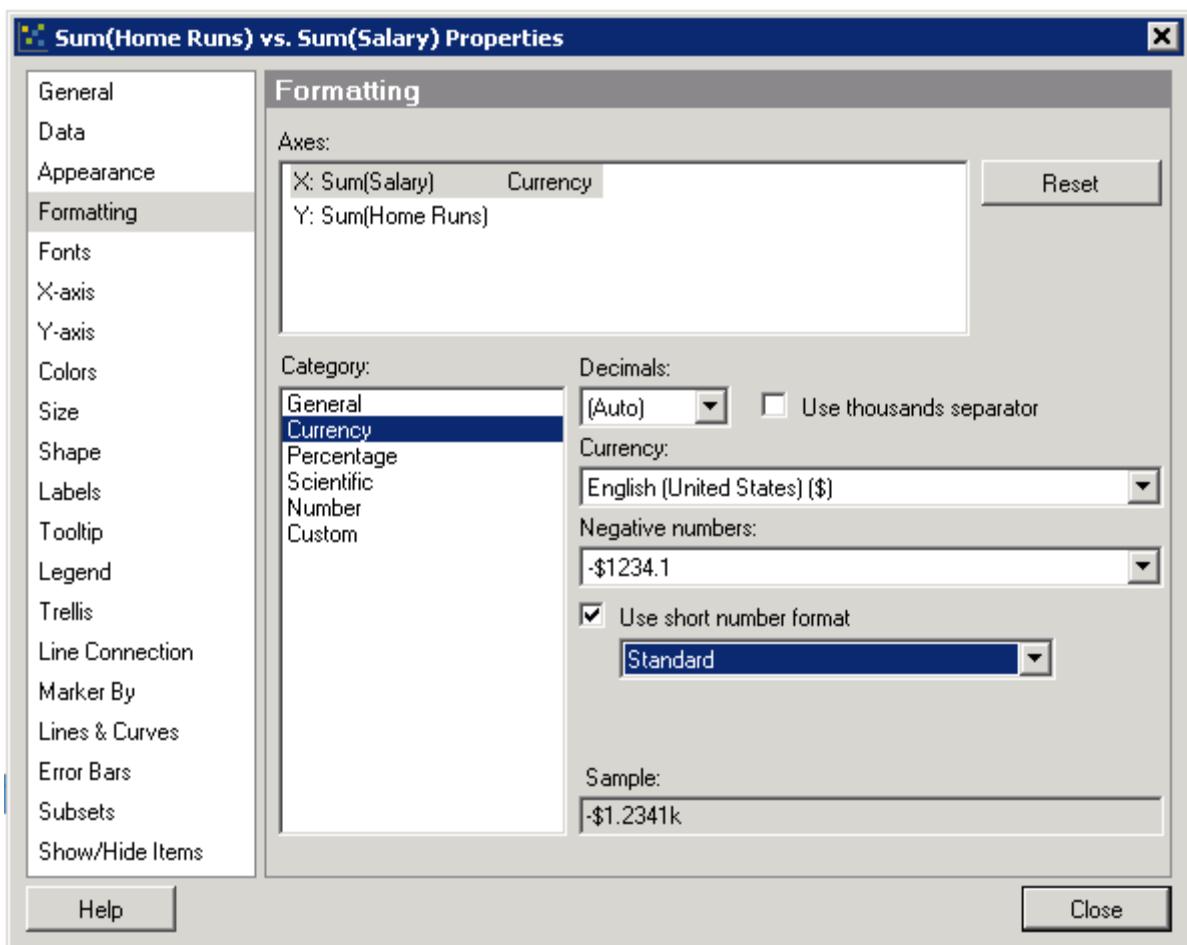


I Sum(Stolen Bases) per Position

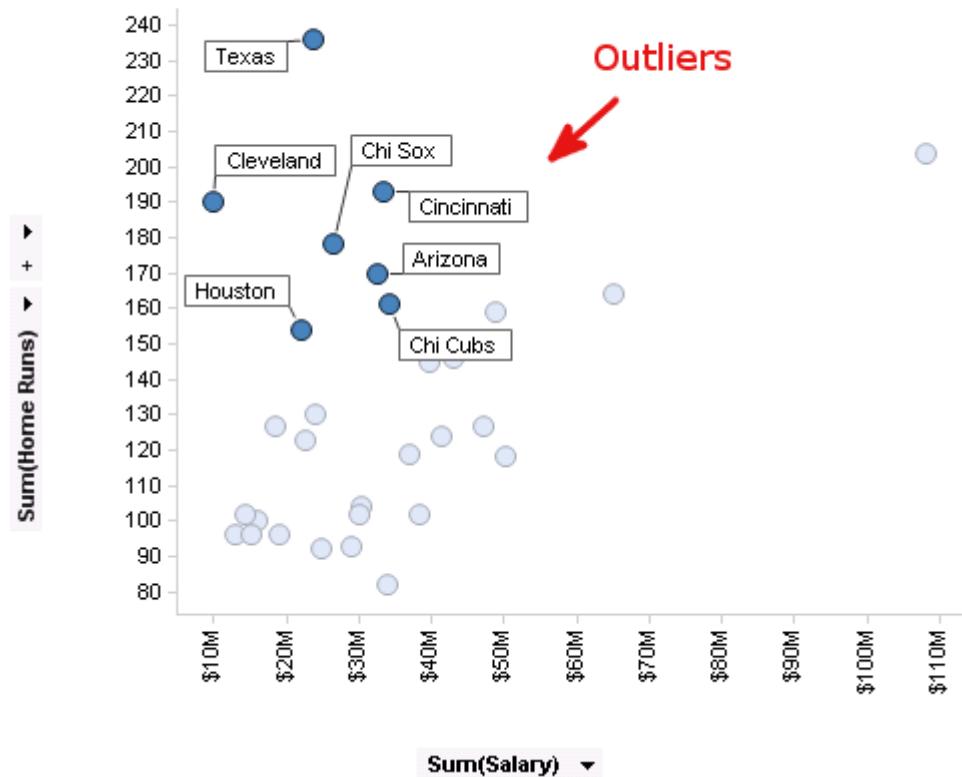


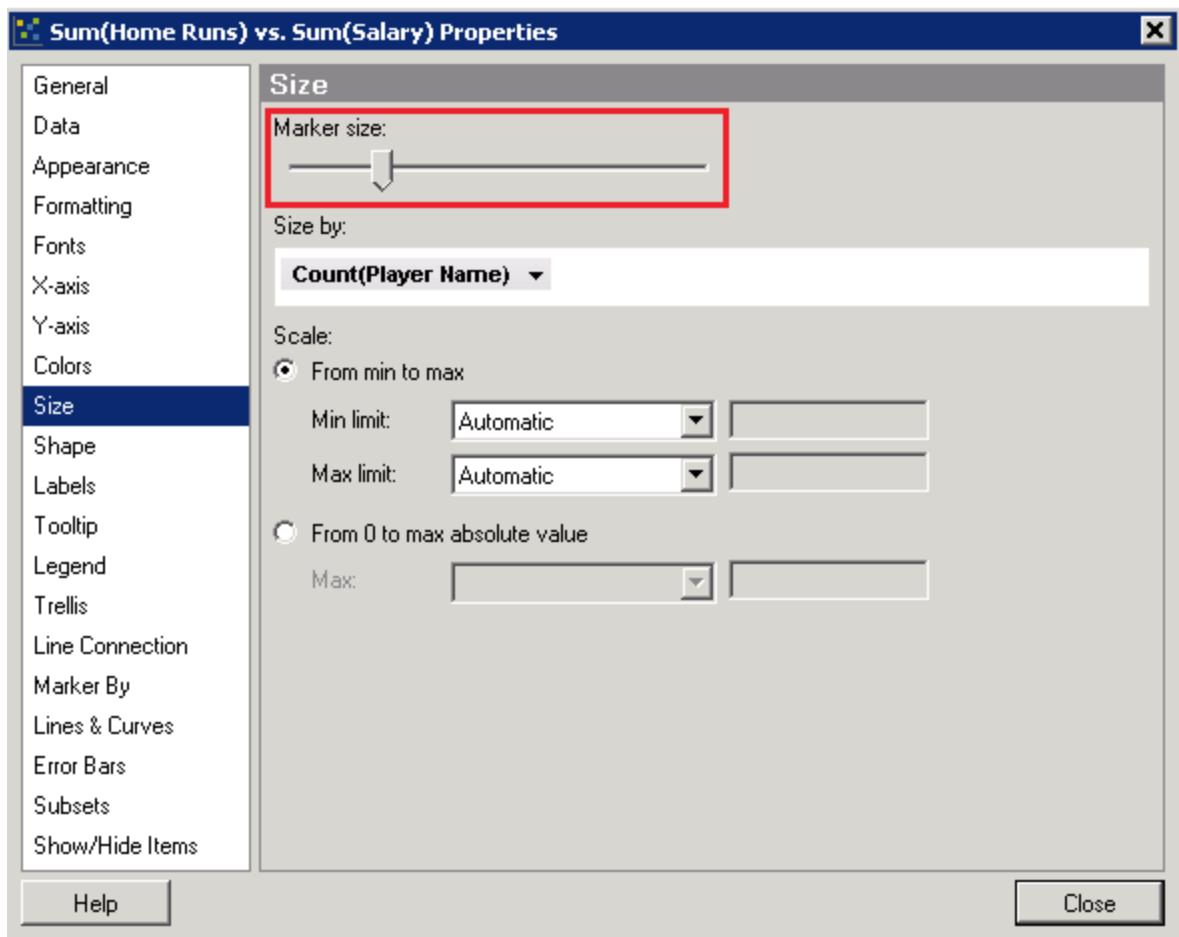
I Bar Chart



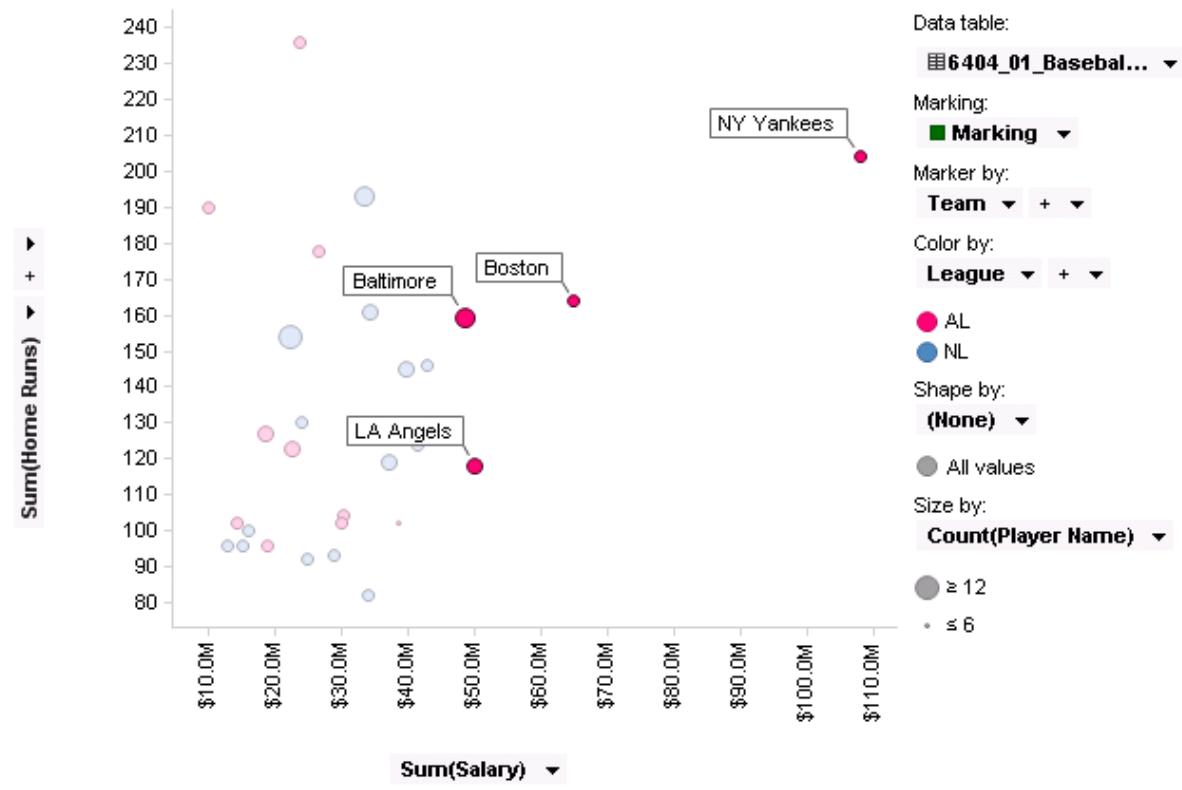


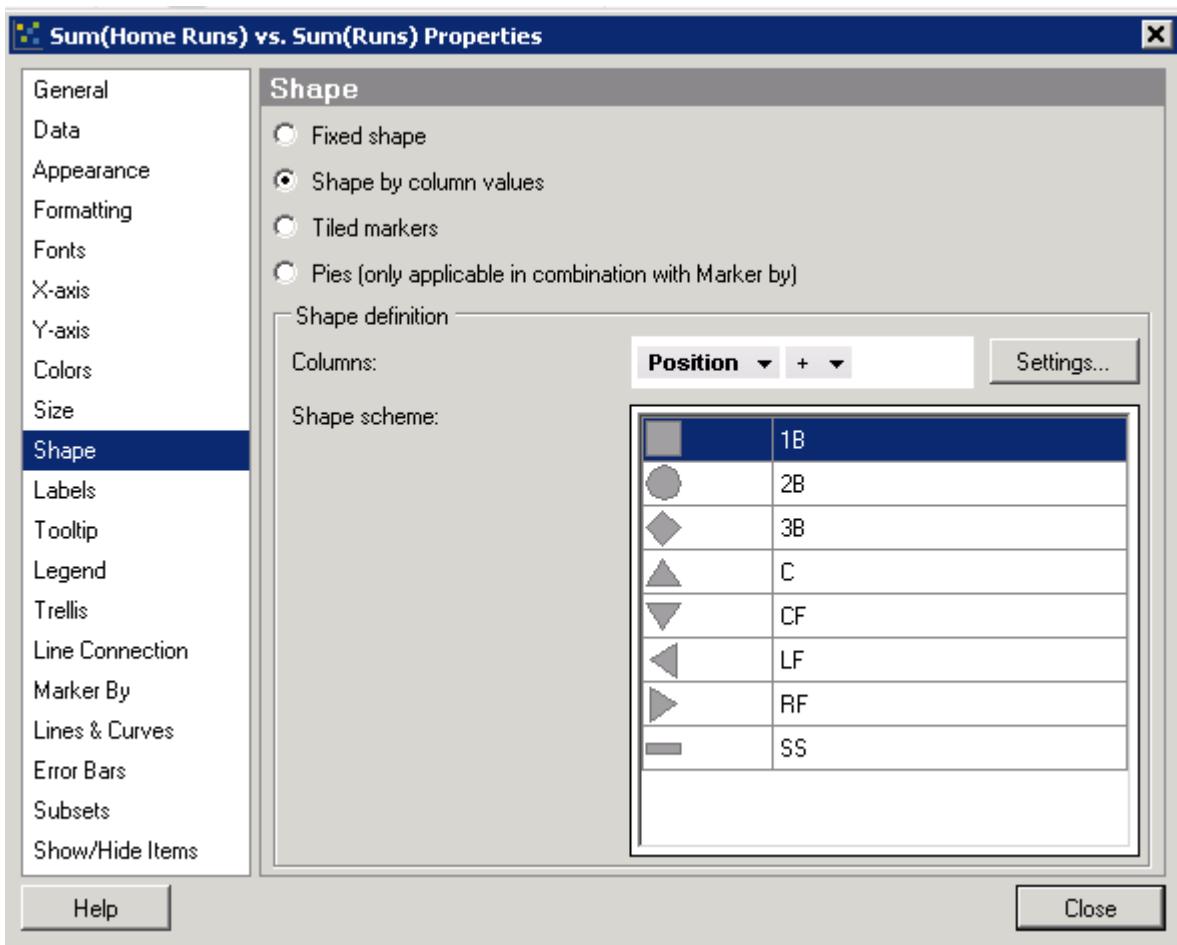
I Sum(Home Runs) vs. Sum(Salary)





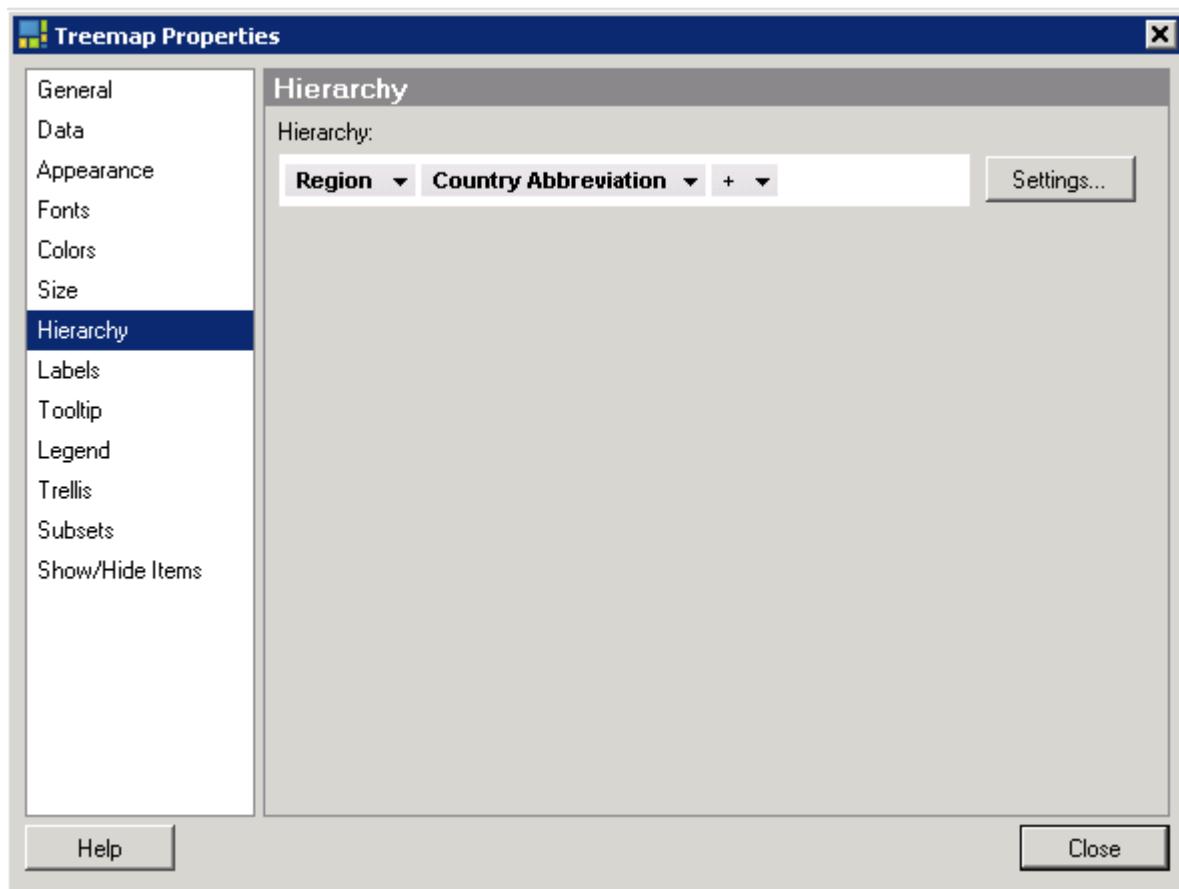
Sum(Home Runs) vs. Sum(Salary)



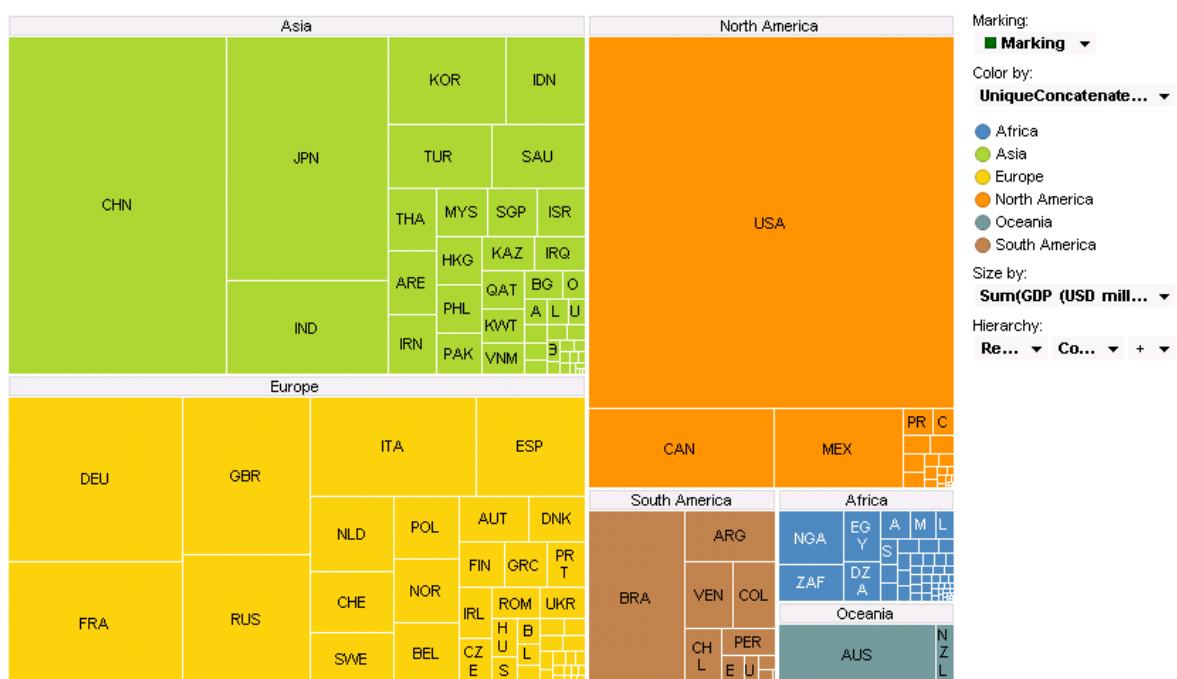


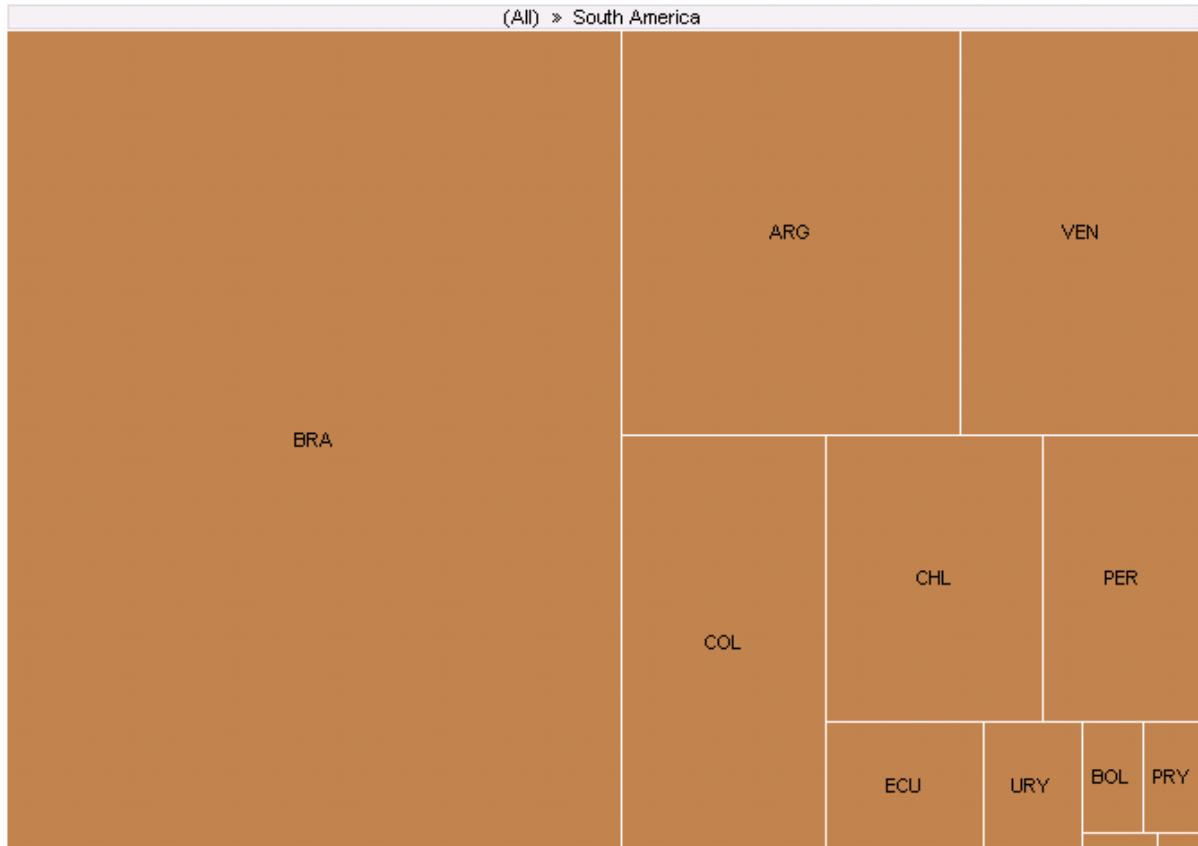
Sum(Home Runs) vs. Sum(Salary)

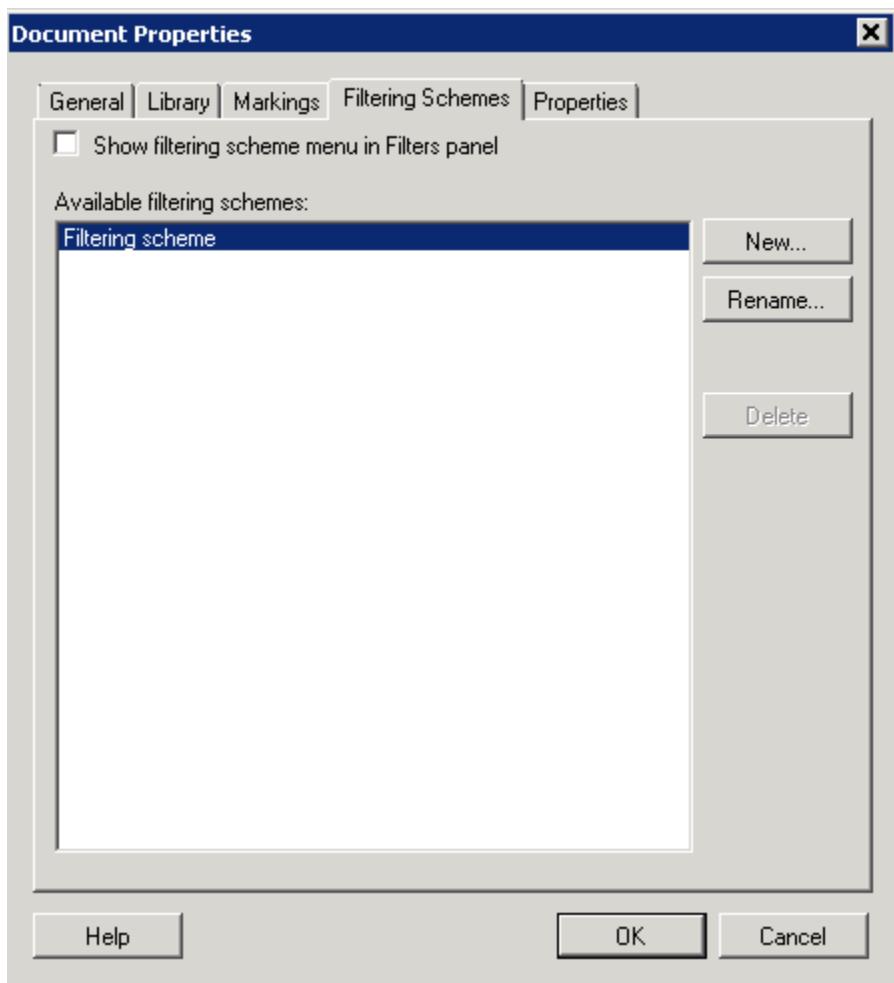




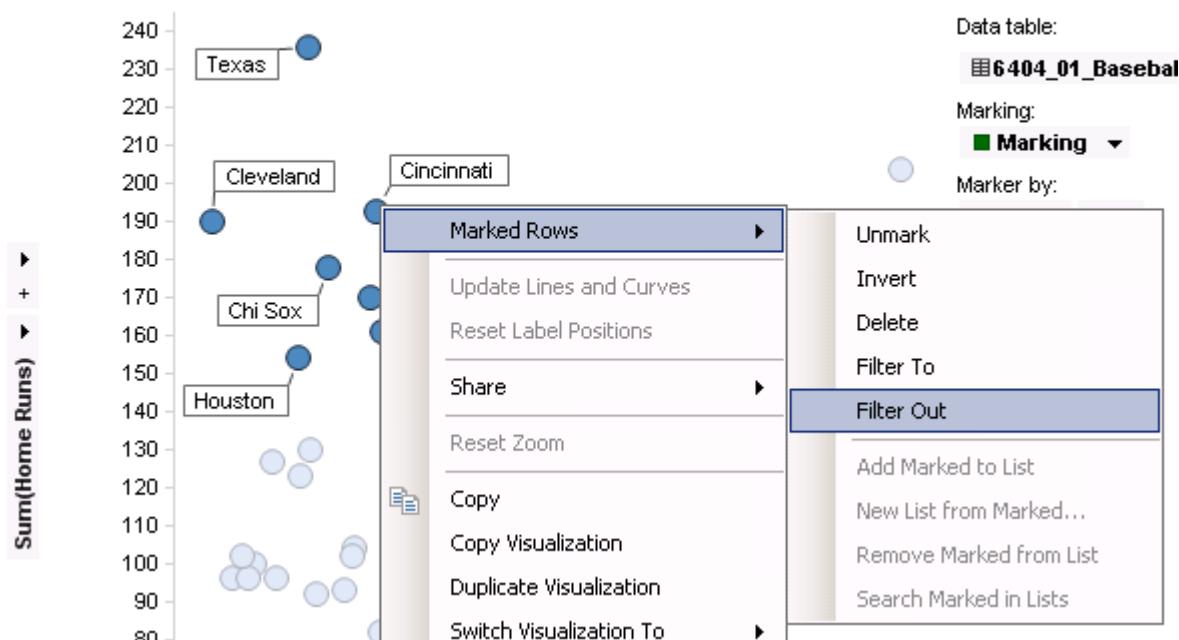
GDP (USD Million) for 2013



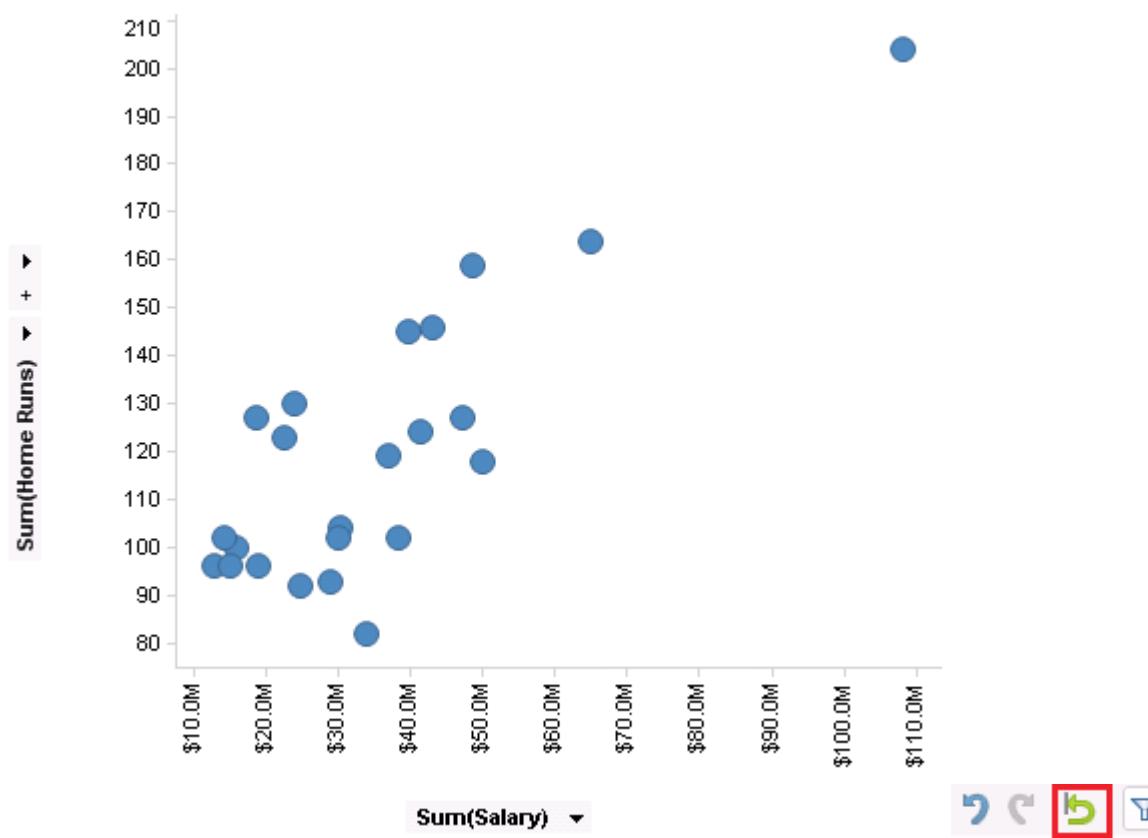




Sum(Home Runs) vs. Sum(Salary)

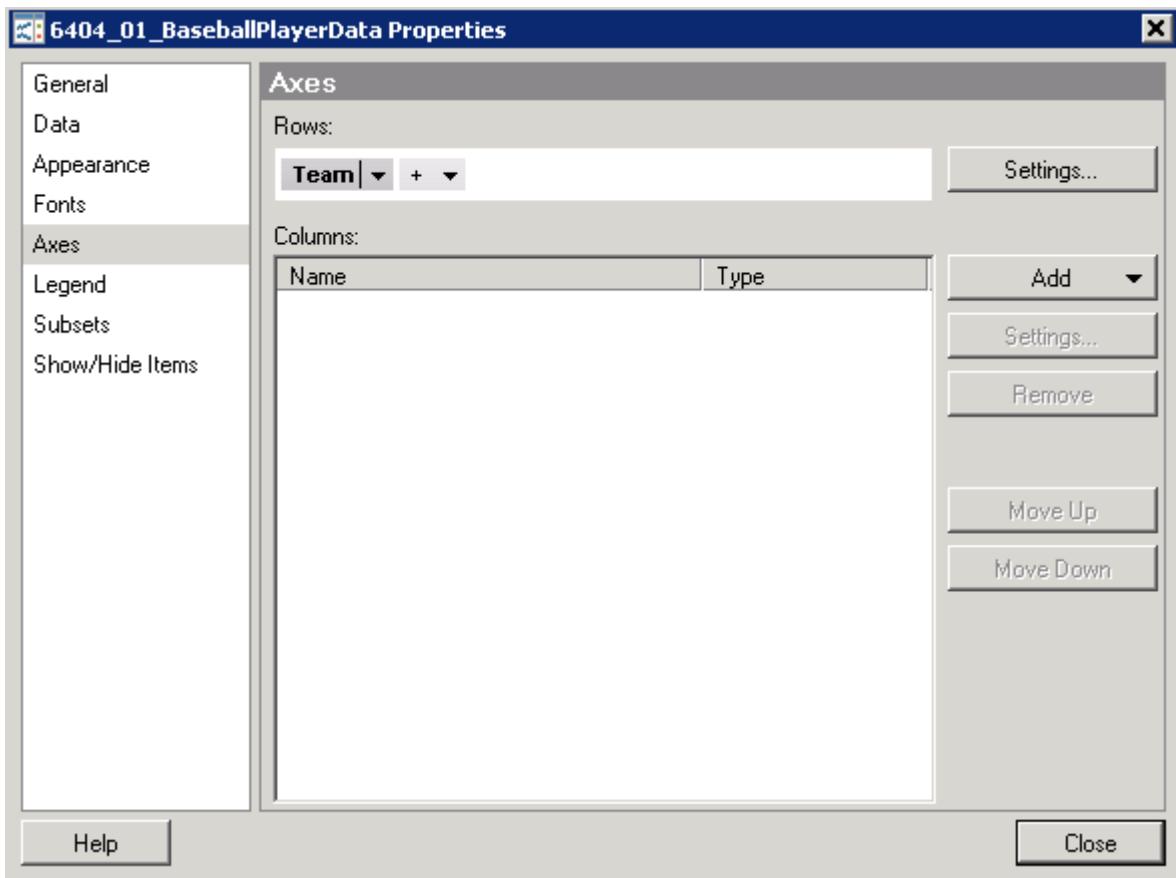


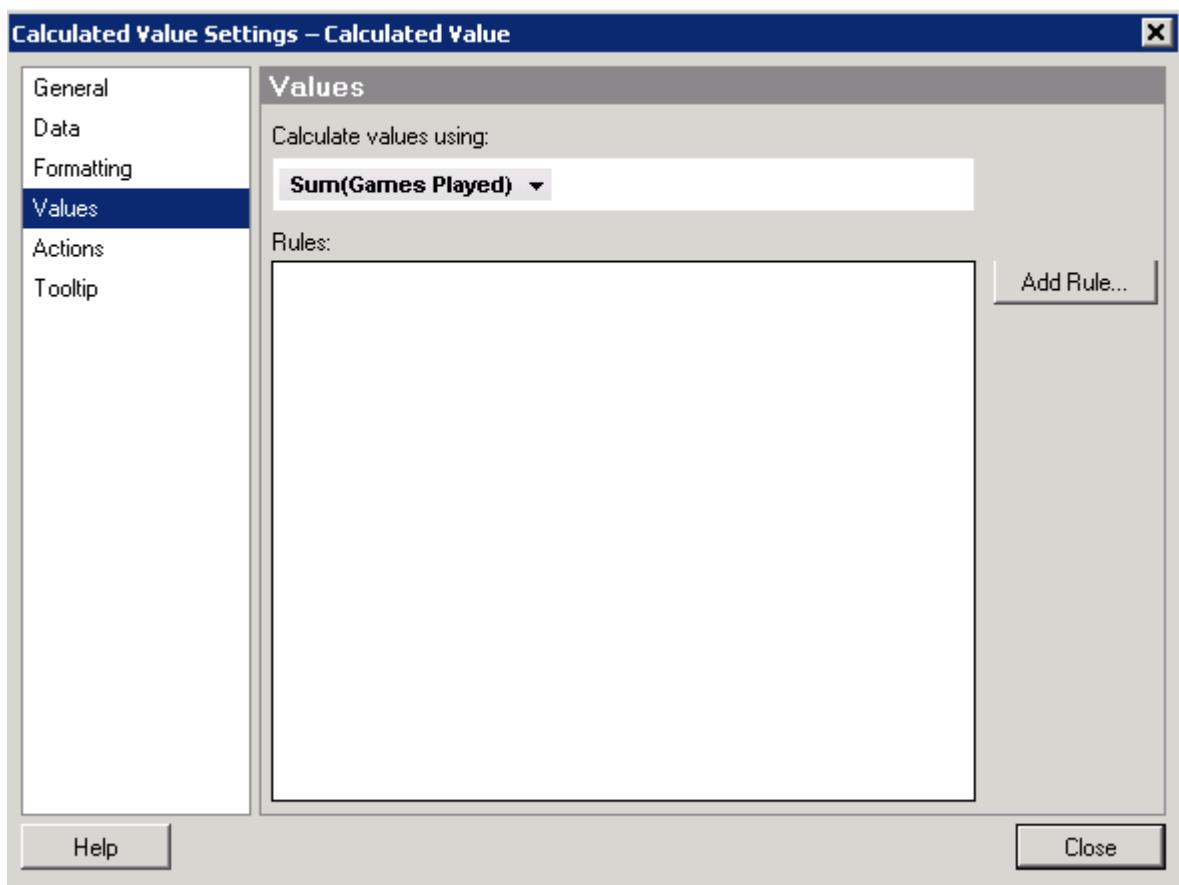
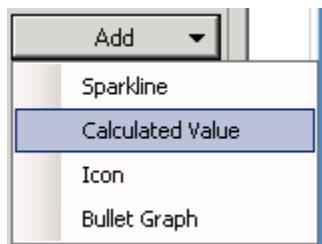
Sum(Home Runs) vs. Sum(Salary)

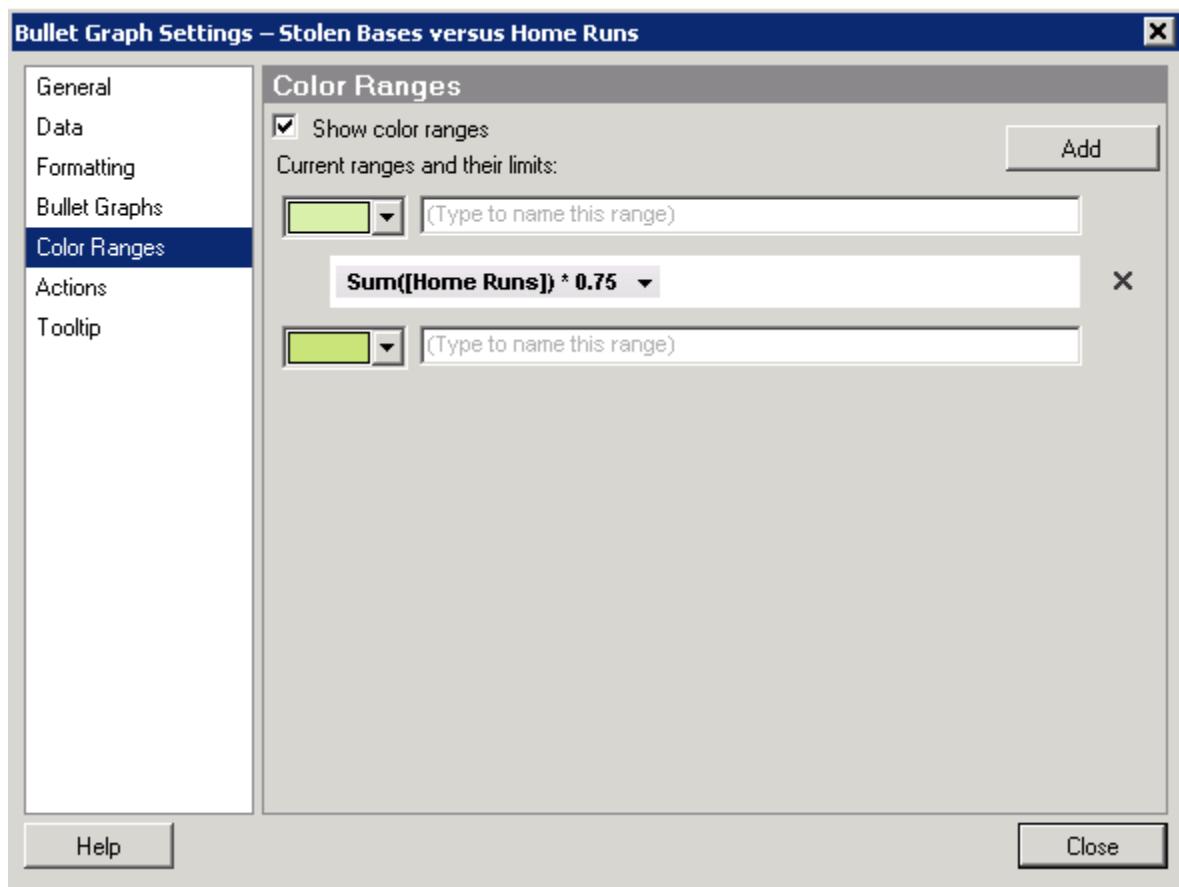
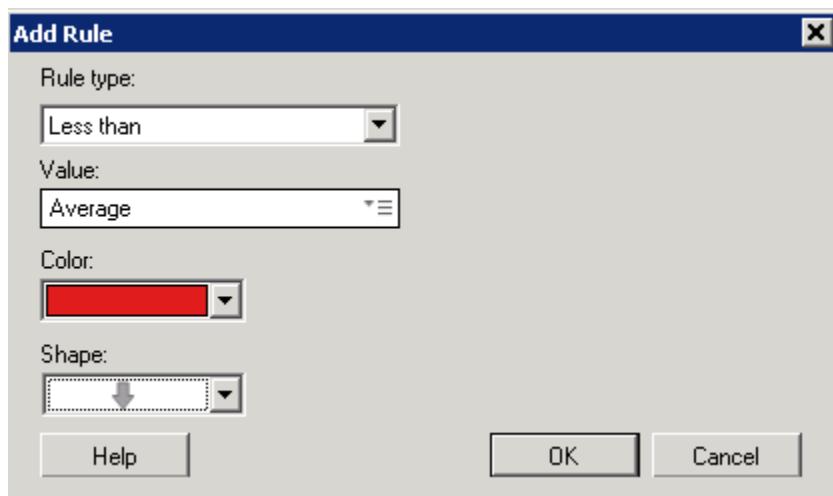




Team	Stolen Bases	Above/Below Average
LA Angels	146	
LA Dodgers	42	
Milwaukee	45	
Minnesota	85	

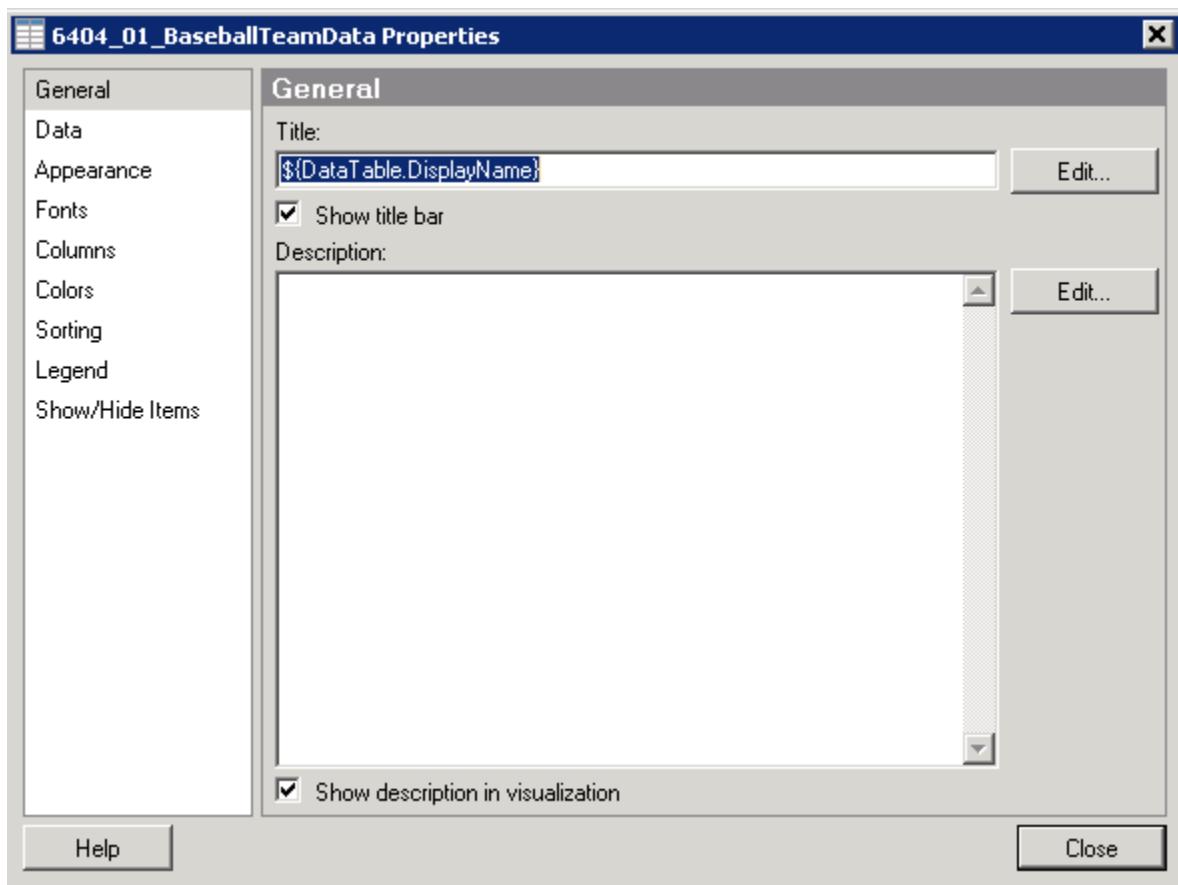


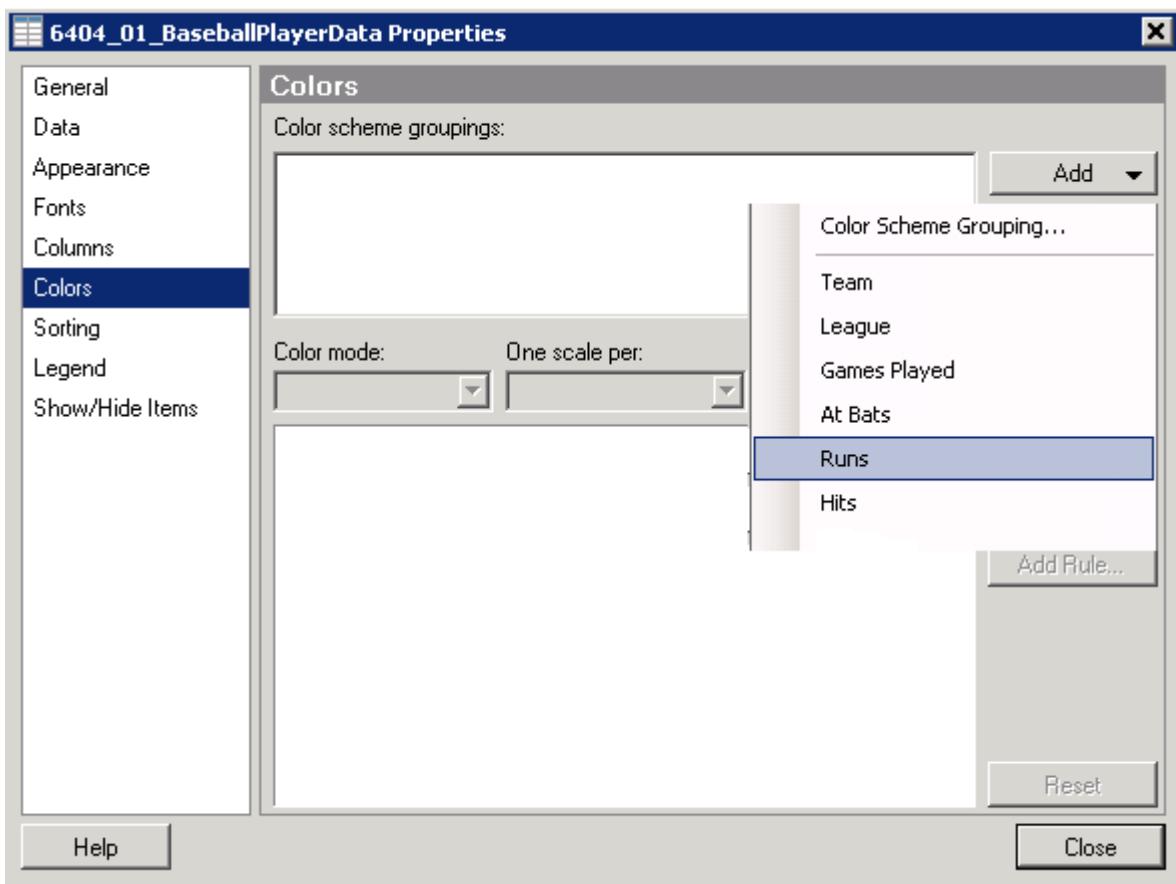
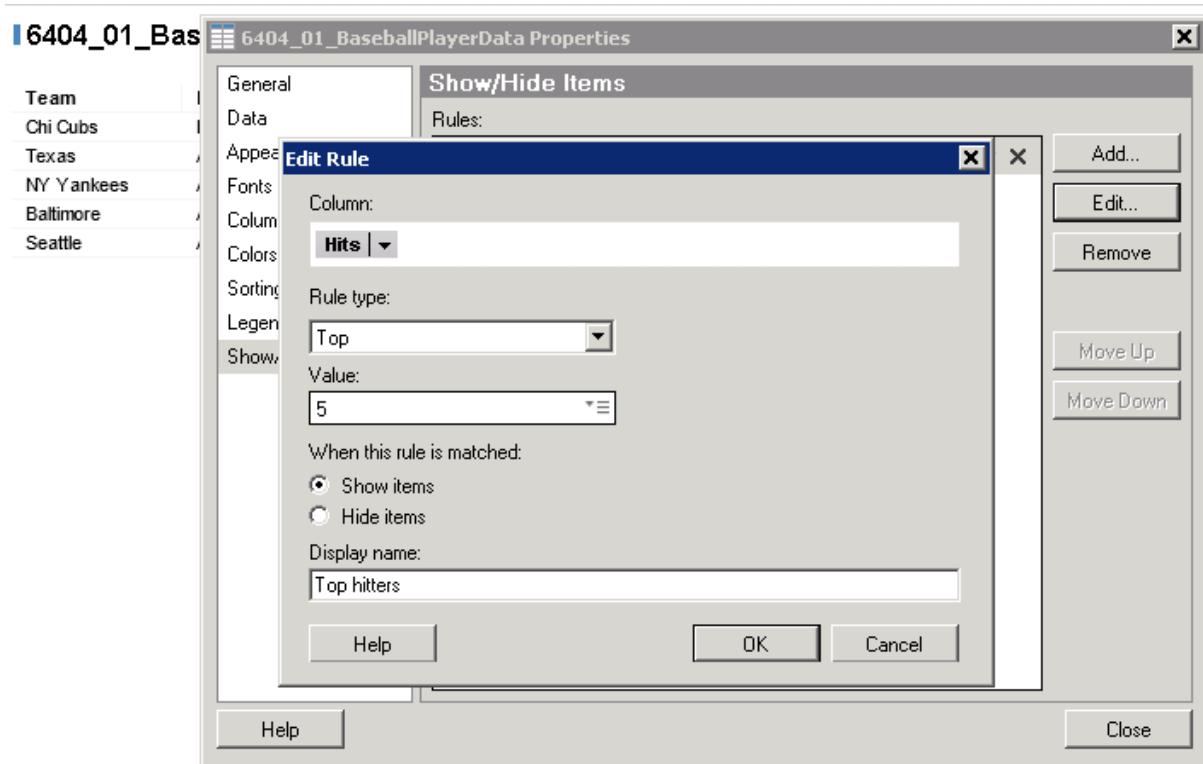




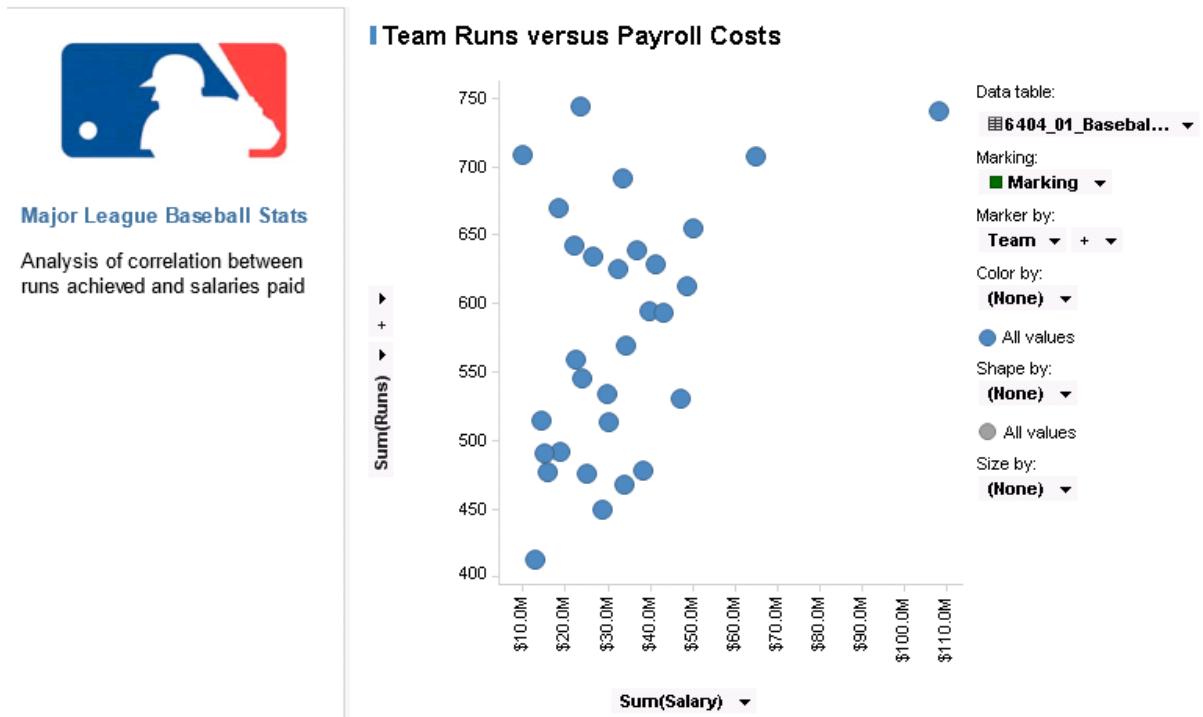
6404_01_BaseballPlayerData

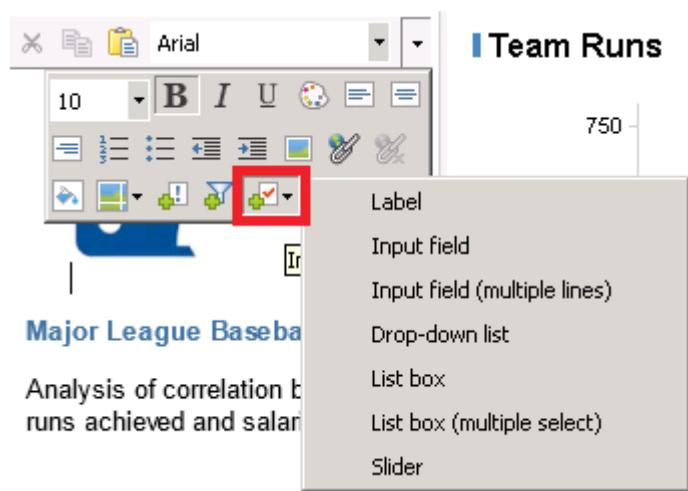
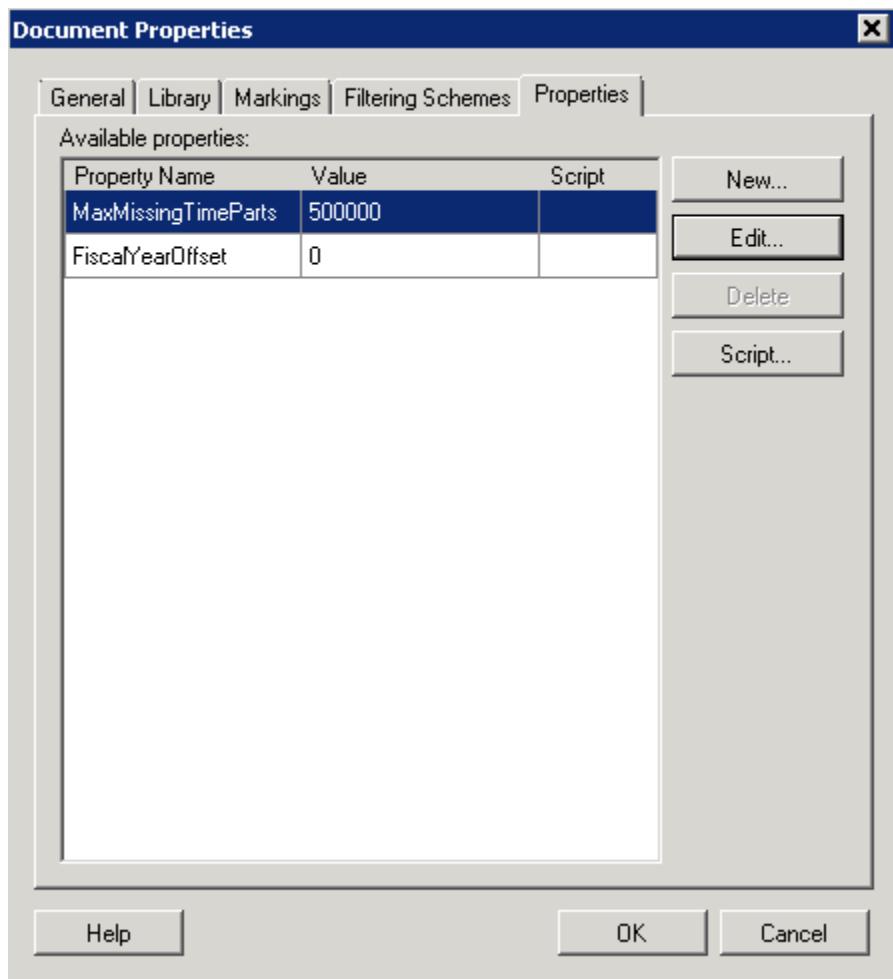


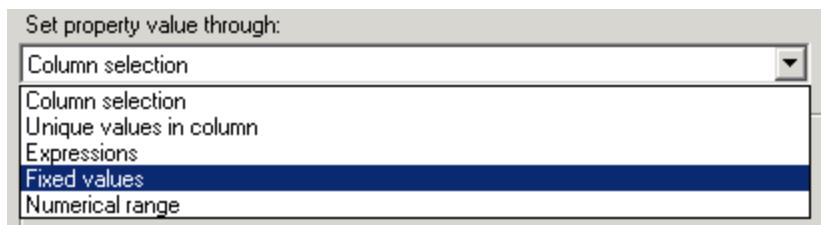
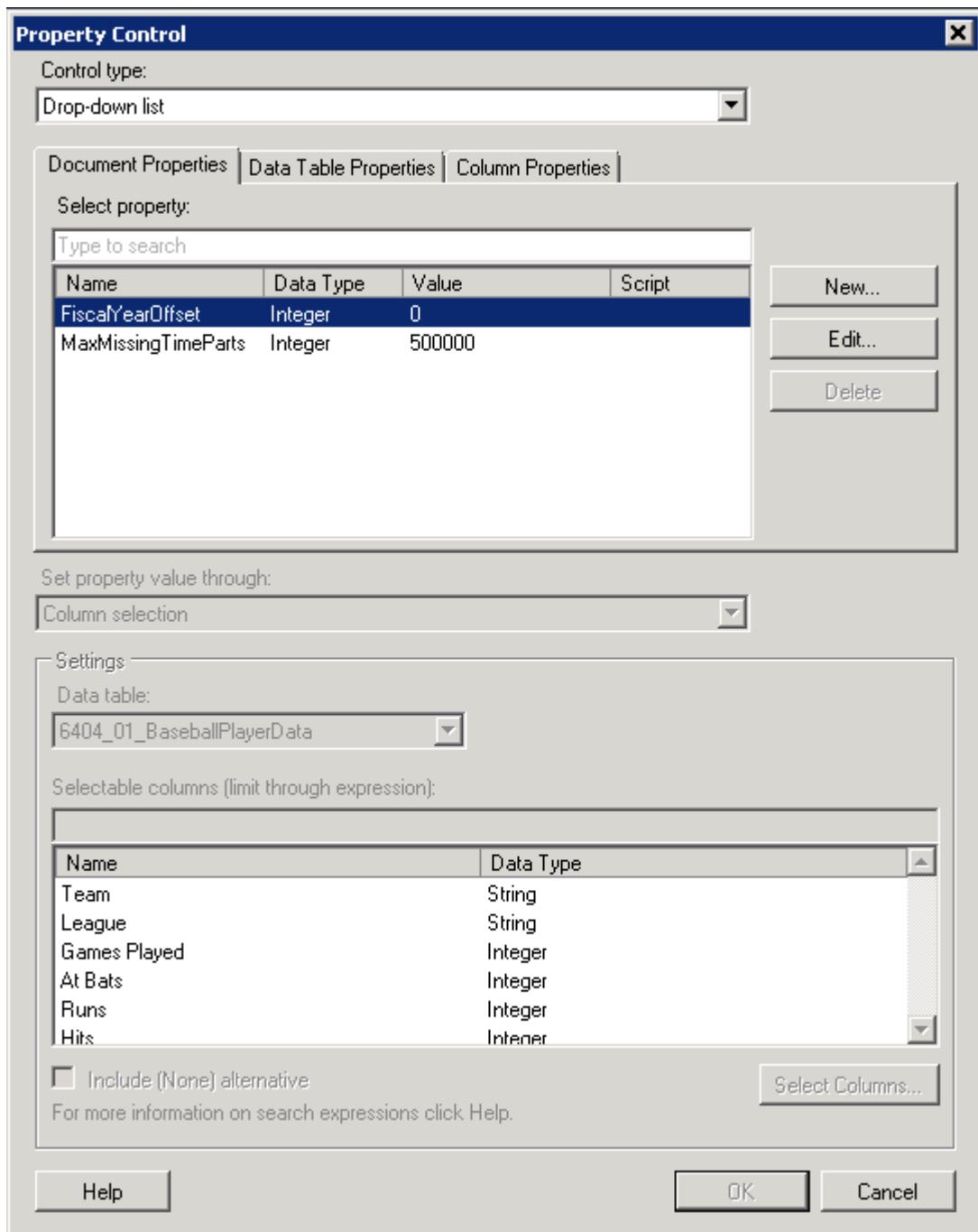




Chapter 03







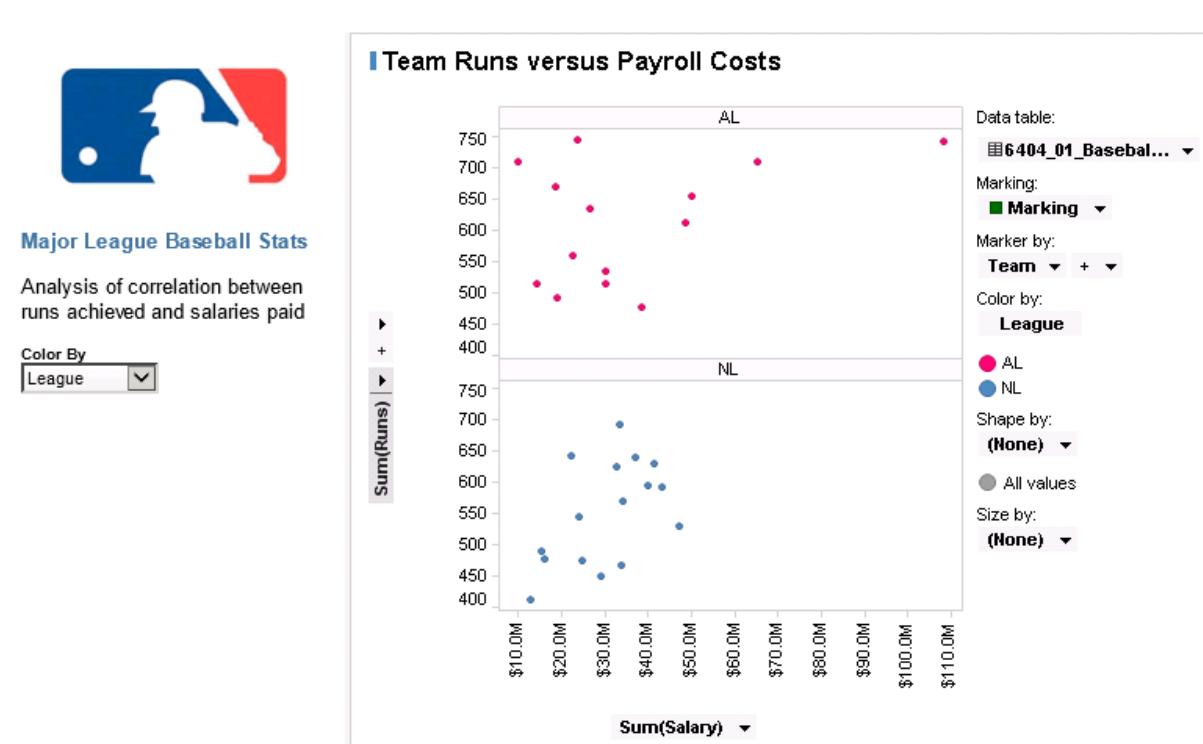
Set property value through:

Fixed values

Settings

Display Name	Value
League	League
Field Position	Position

Add
Remove
Move Up
Move Down



Arial

10

B I U

Sparkline
Calculated Value
Icon
Bullet Graph

Team Runs

Major League Baseball St

Calculated Value Settings – Calculated Value

General
Data
Formatting
Values Sum(Games Played) ▾
Actions
Tooltip

Values

Calculate values using:
Sum(Games Played) ▾

Rules:

Expression:
1 Sum([Salary]) / Sum([Runs])

Recent expressions:
Sum([Salary]) / Sum([Runs]) ▼ Insert

Display name:
Cost Per Run



Major League Baseball Stats

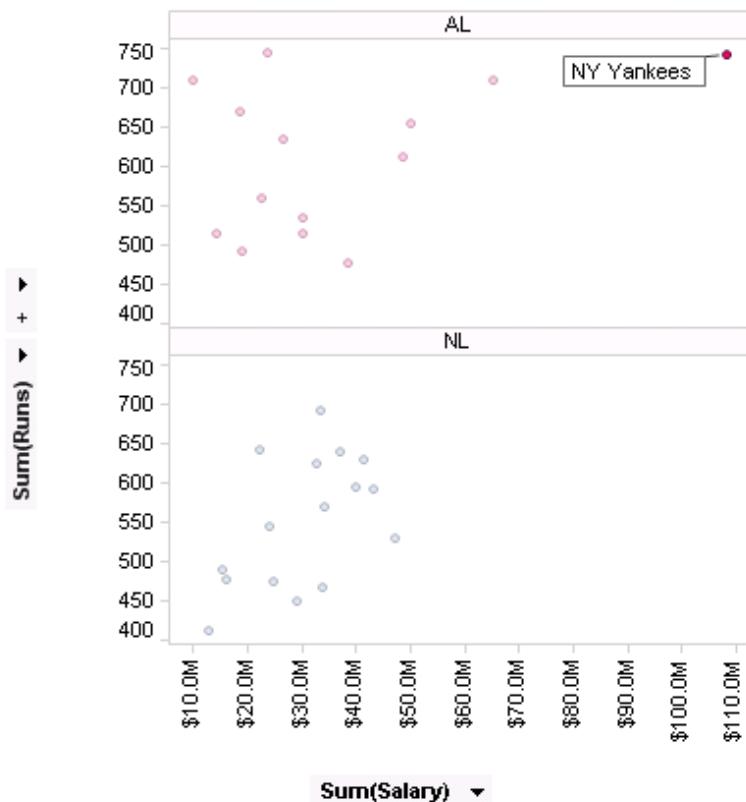
Analysis of correlation between runs achieved and salaries paid

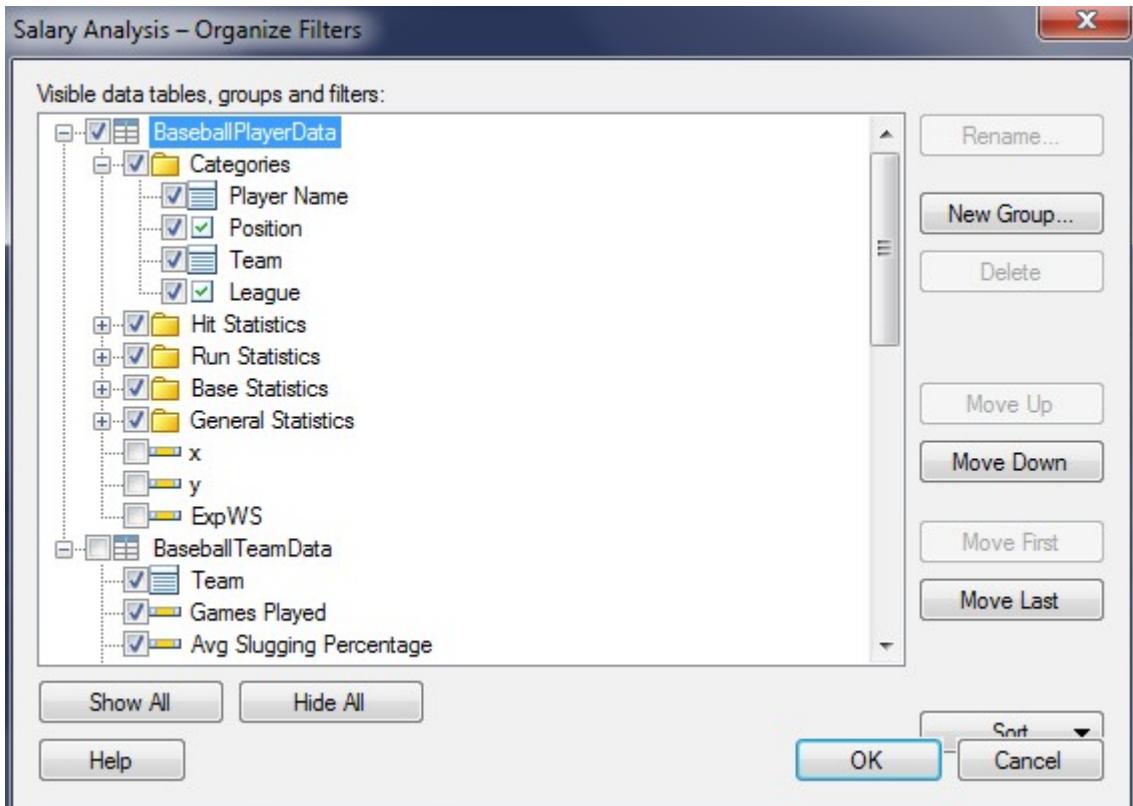
Color By
League ▾

Average cost per run
\$56.9k

Cost per run for selected teams
\$145.9k

Team Runs versus Payroll Costs





Filters

6404_01_BaseballPlayerData

+ Categories
+ Hit Statistics
+ Run Statistics
+ Base Statistics
- General Statistics

Games Played

86	162
<input type="button" value="▶"/>	<input type="button" value="◀"/>

Salary

\$300.0k	\$26.0M
<input type="button" value="▶"/>	<input type="button" value="◀"/>

Plate Appearances

121	752
<input type="button" value="▶"/>	<input type="button" value="◀"/>

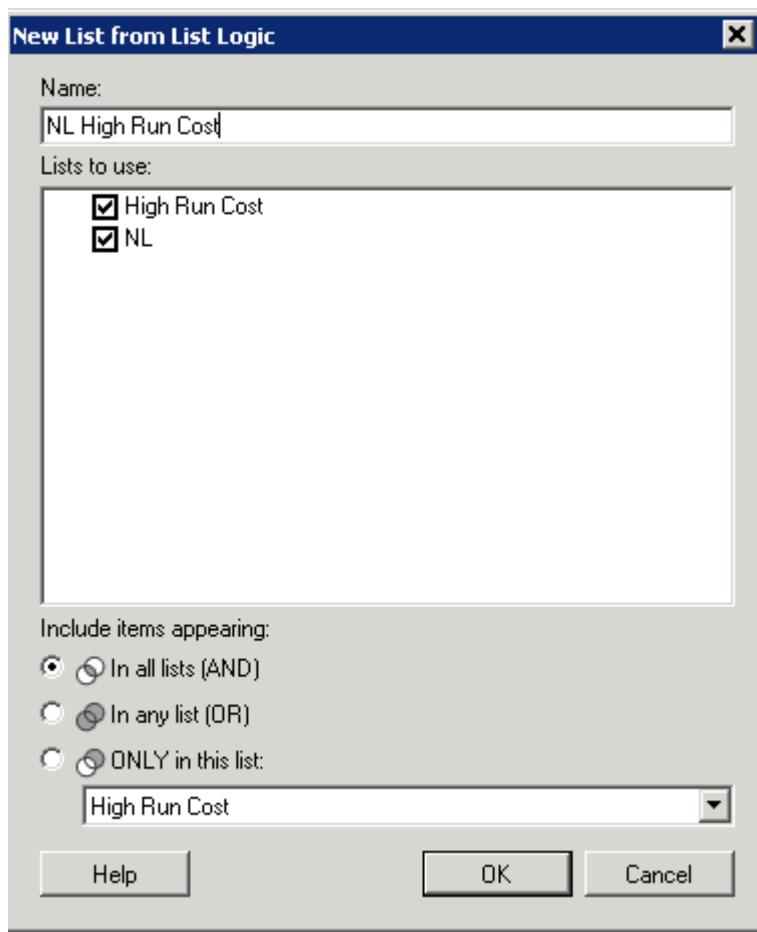
At Bats

109	696
<input type="button" value="▶"/>	<input type="button" value="◀"/>

Win Shares Percentage

0.22	1.10
<input type="button" value="▶"/>	<input type="button" value="◀"/>

Some filters are hidden. [Show all](#)



Lists

Menu |

Team

Lists

- CostPerRunGreaterThan75k (6)
- NLTeams (16)
- HighCostNLTeams (1)

CostPerRunGreaterThan75k

- NY Mets
- Baltimore
- Seattle
- LA Angels
- NY Yankees

Tags

- 6404_01_BaseballPlayerData
 - Salary Analysis
 - High Run Cost (53)
 - Untagged (225)
- 6404_01_BaseballTeamData

The Lists window displays a tree structure of lists. The 'CostPerRunGreaterThan75k' list is currently selected, showing its contents: NY Mets, Baltimore, Seattle, LA Angels, and NY Yankees. The Tags window displays a tree structure of tags. The '6404_01_BaseballPlayerData' tag is expanded, showing its sub-tags: 'Salary Analysis' (which is further expanded to show 'High Run Cost' and 'Untagged') and '6404_01_BaseballTeamData'.

Base Statistics

General Statistics

Salary Analysis

- High Run Cost
- Untagged

Salary Analysis		Team
Untagged		Kansas City
High Run Cost		LA Angels
High Run Cost		LA Angels

Bookmarks

New bookmark name

Salary Analysis 4:13 AM sfadmin, 4:13 AM

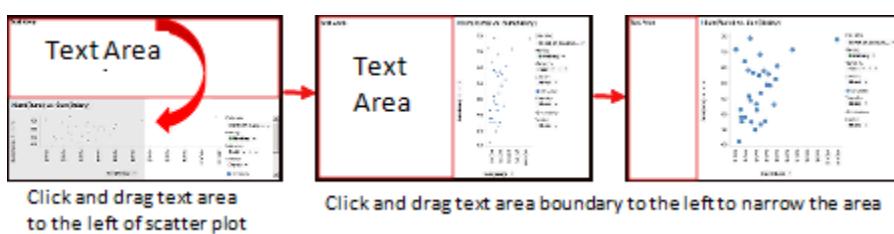
NY Yankees

NL

Apply

- Apply Special
- Rename**
- Copy Bookmark URL
- Share
- Private Bookmark**
- Public Bookmark
- Save as Private Bookmark
- Update Bookmark

Delete Del



Text Area

Arial 10

B I U

Text Area

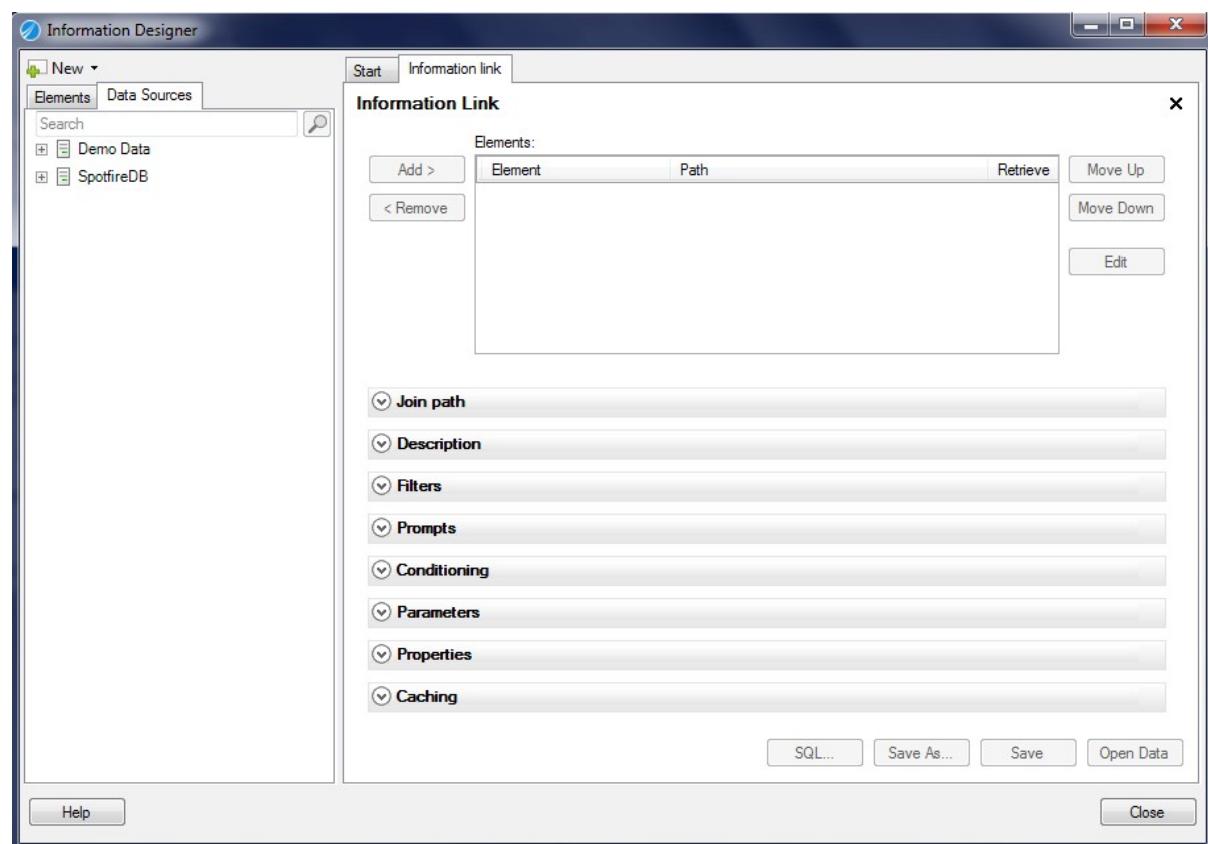
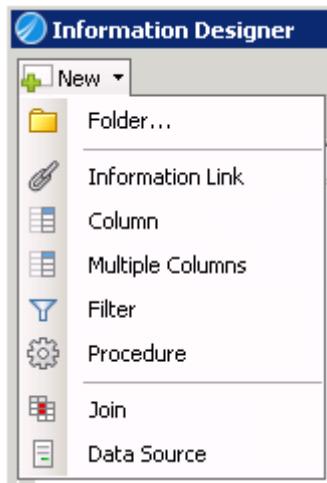
Text Area

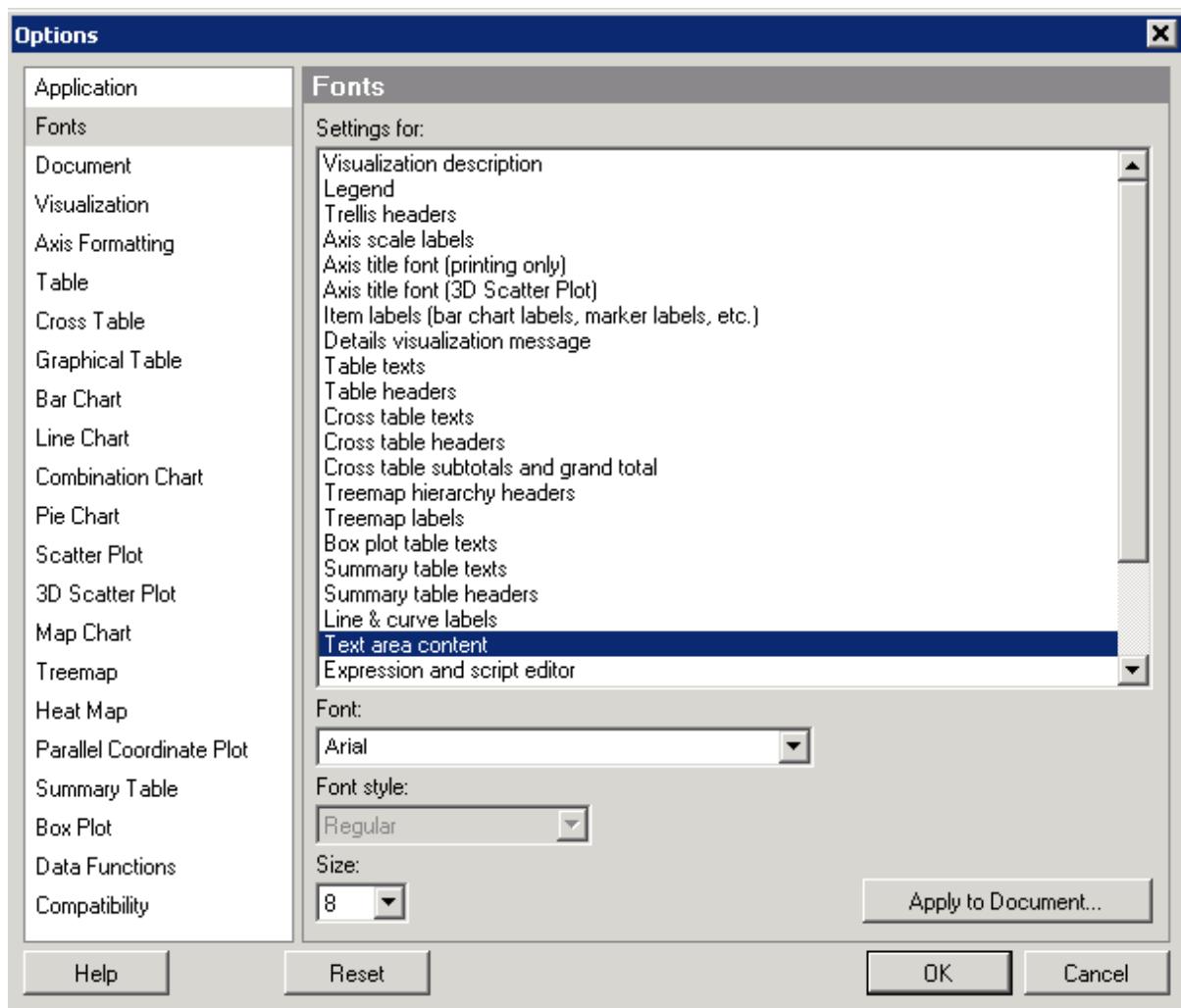
Arial 10

B I U

The second screenshot's toolbar has a red box around the image icon.

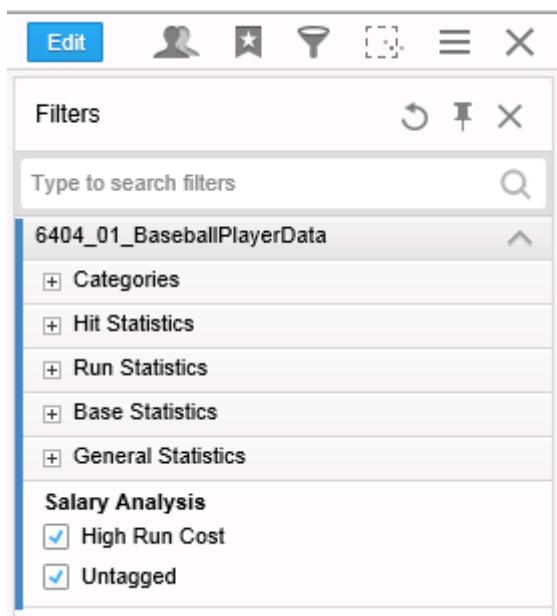
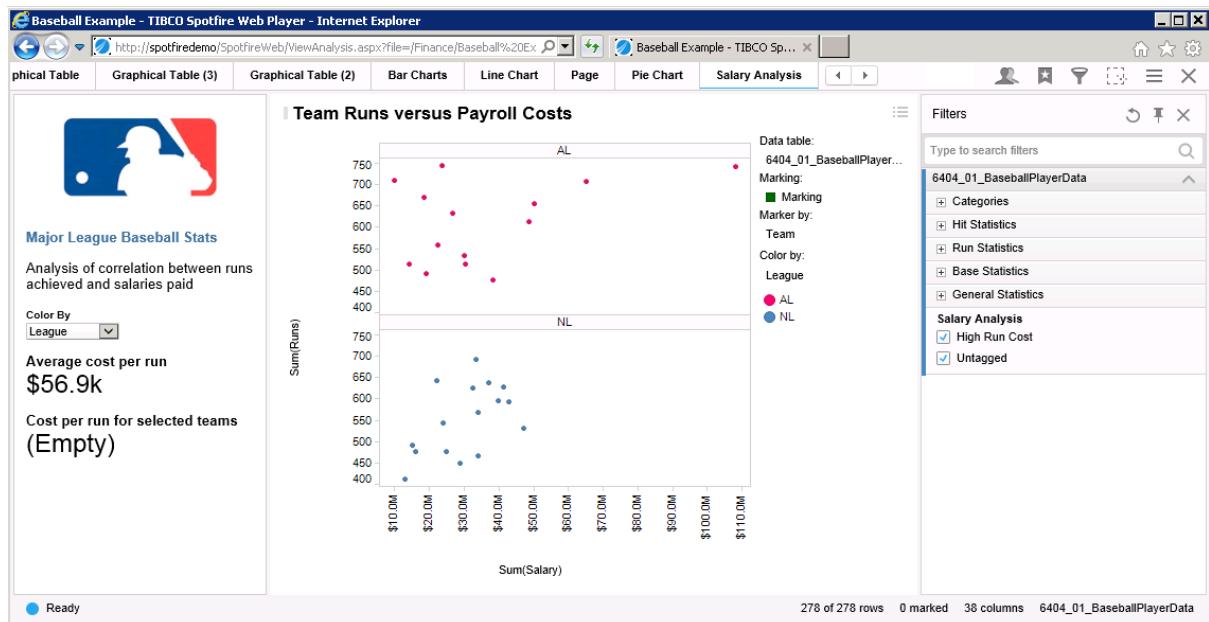
Chapter 04

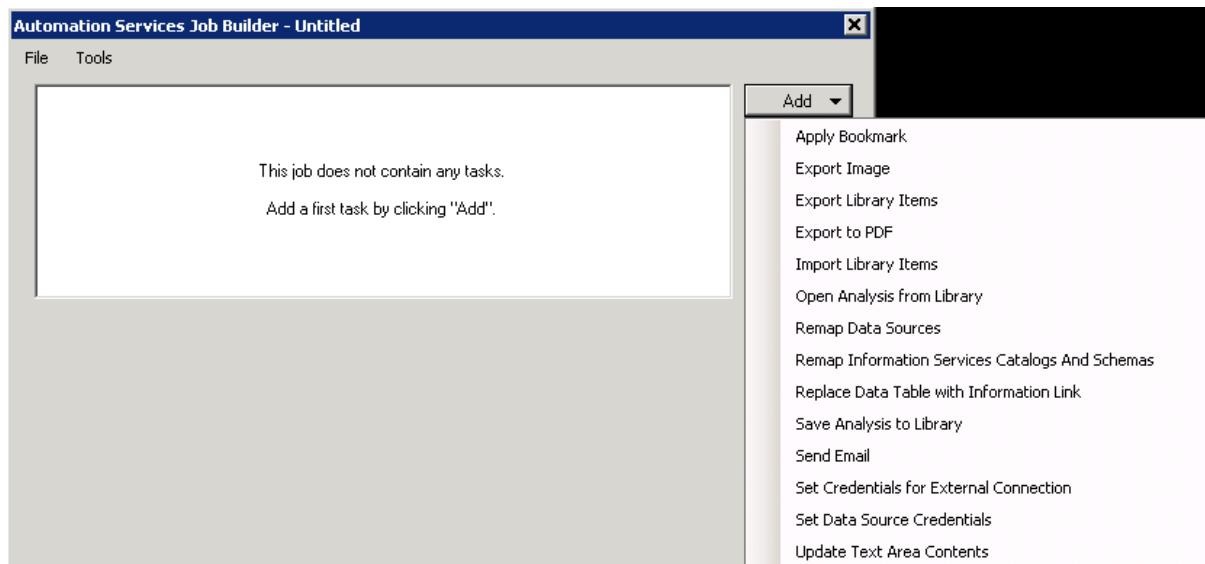
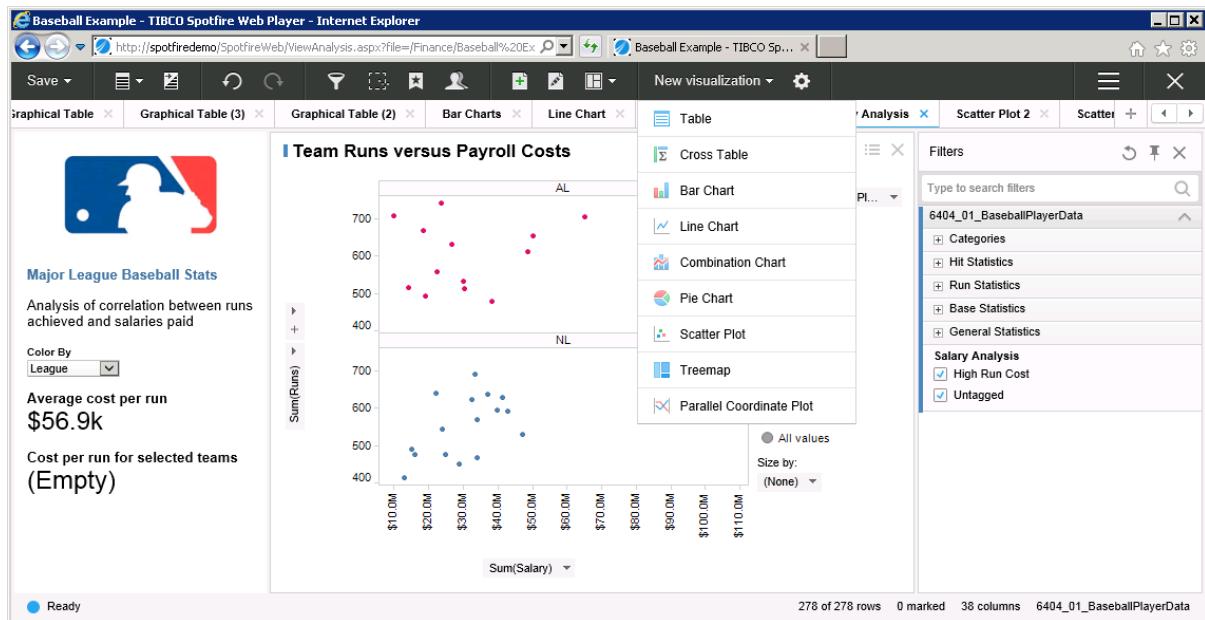




The screenshot shows the Spotfire library interface. The top navigation bar includes 'Spotfire', 'About', 'Help', and a user profile icon. The main menu bar has 'Open analysis', 'Create new analysis', 'Tools', 'Recent analyses', and 'Browse library'. A search bar at the top says 'Type to search in current folder'. Below it, a breadcrumb path says 'Library > Finance'. On the right, there are filter icons for 'All items', 'Grid', 'List', and 'Table'. A table lists one item: 'Baseball Example' (modified 7/26/2014 by sfadmin).

	Name	Modified	Modified by
<input type="checkbox"/>	Baseball Example	7/26/2014	sfadmin





192.168.1.145

Server Log Files Diagnostics Troubleshooting

View log file: Current Log Configuration: log4j.properties

Server Log log4j.properties Export Log File

Refresh Set Configuration

... 73 more
Caused by: com.spotfire.server.ServerInitializationException: Unable to connect to database at com.spotfire.server.util.sql.DataSourceManager.awaitConnection(DataSourceManager.java:111) at com.spotfire.server.util.sql.DataSourceManager.<init>(DataSourceManager.java:45) at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method) at sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:57) at sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45) at java.lang.reflect.Constructor.newInstance(Constructor.java:526) at org.springframework.beans.BeanUtils.instantiateClass(BeanUtils.java:142) ... 75 more
WARN 2014-07-20T08:49:58,980-0700 [*Initialization*] spotfire.server.LifecycleManager.start
WARN 2014-07-20T08:59:58,436-0700 [*Initialization*] spotfire.server.LifecycleManager.start

Spotfire®

Open analysis Create new analysis Tools ▾

Type to search in current folder

- > Diagnostics
- > Scheduled updates

Diagnostics

Export Information | About | Log out

Web Player Monitoring | Spotfire Server | Web Server | Web Application | Loaded Assemblies | Site | Scheduled Updates | Web Server Log

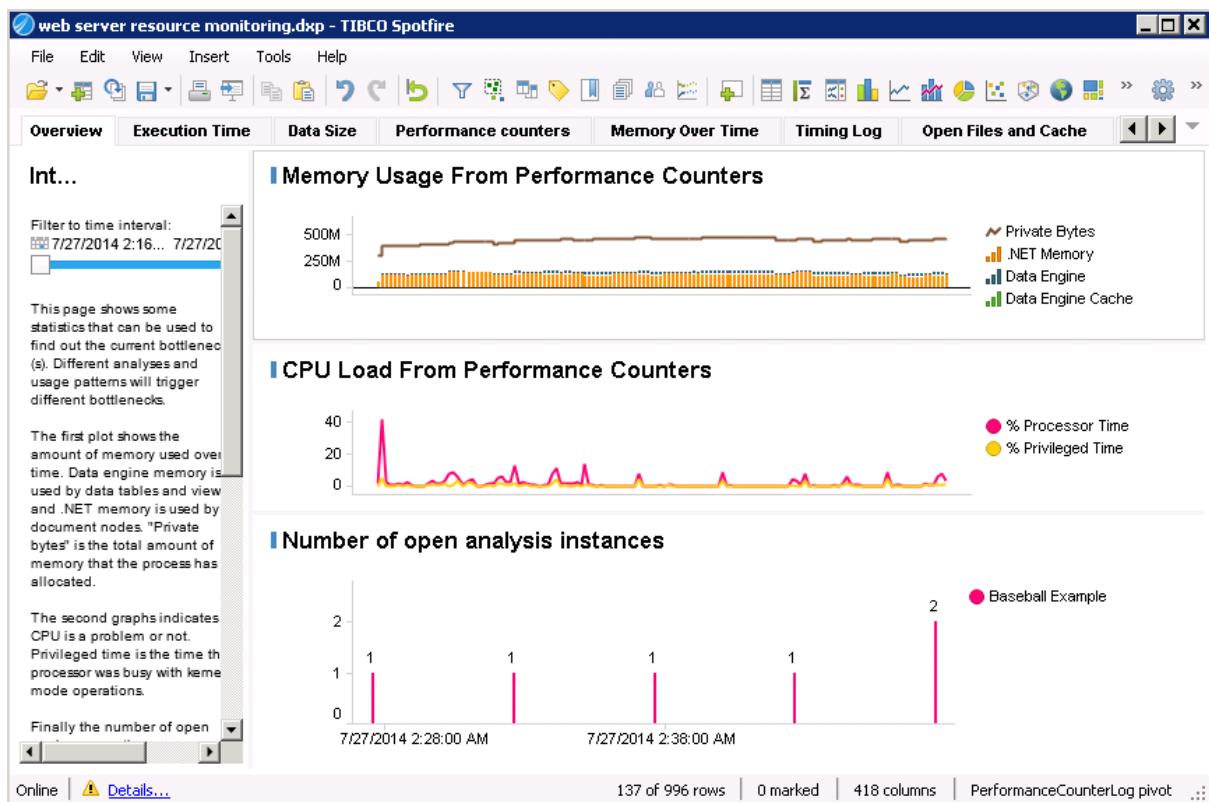
Open Analyses | Logging (Currently On)

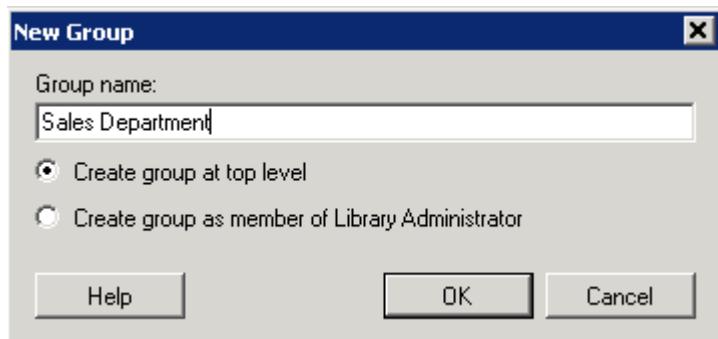
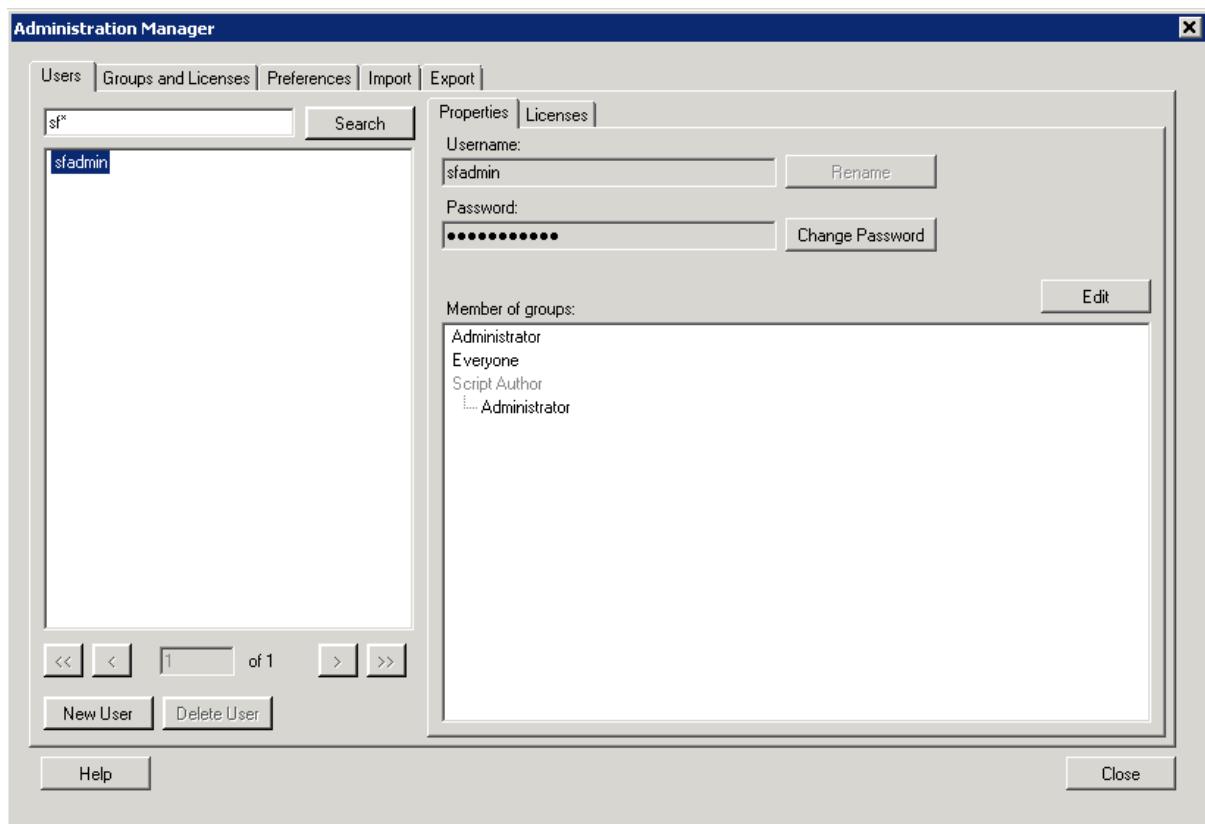
Show Overview | Refresh | Close Analysis | Open Analysis | Show Document Nodes and View Sizes

Title	User Name	Loading Time	Execution Time	Shared Data Table Size	Private Data Table Size	Shared Data View Size	Private Data View Size	Shared Document Node Count	Private Document Node Count	Idle Time	Scheduled
Baseball Example	SatoH	00:00:02.1	00:00:02.6	(+98 KB) 98...	(-98 KB) -	(+209 KB) 2...	(-209 KB) 9....	32 242	422	00:17:08	false
Baseball Example	sfadmin	00:00:00	00:00:00.8	98 KB	-	209 KB	12 KB	32 237	635	00:00:10	false
Totals		00:00:02.1	00:00:03.4	98 KB	-	209 KB	22 KB	32 237	1 057	00:00:10	

Show performance counters

Name	Value
Process,Private Bytes,w3wp	(+2.6 MB) 433 MB
Webplayer total working memory	(+6.0 MB) 354 MB
.NET CLR Memory:# Bytes in all Heaps,w3wp	(+3.6 MB) 95 MB
Data Engine memory	18 MB
Data Engine Cache memory	(-189 KB) 17 KB
Webplayer memory available before paging data to disk	9.0 MB







Administration Manager

Users Groups and Licenses Preferences Import Export

Available groups:

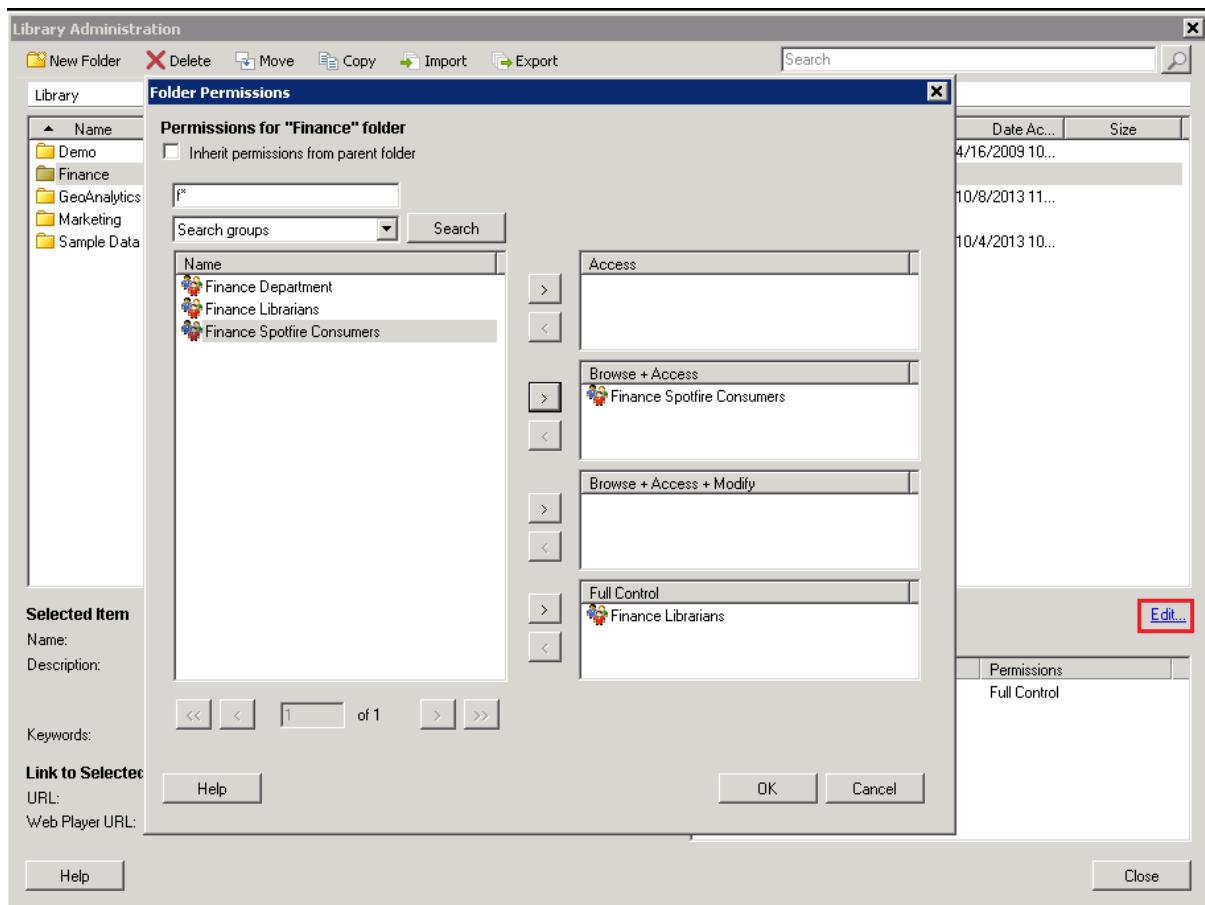
- Administrator
- API User
- Custom Query Author
- Deployment Administrator
- Diagnostics Administrator
- Everyone
- Finance Department**
 - Finance Librarians
 - Finance Spotfire Consumers
- Impersonator
- Library Administrator
- Marketing Department**
 - Marketing Librarians
 - Marketing Spotfire Consumers
- Scheduled Updates User
- Script Author
 - Administrator
- Web Player Administrator

Licenses for 'Finance Department'

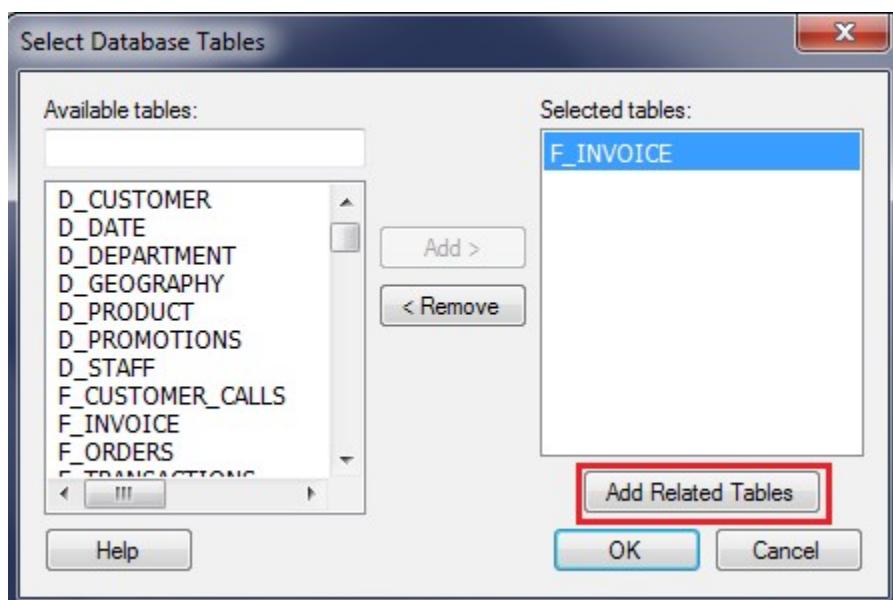
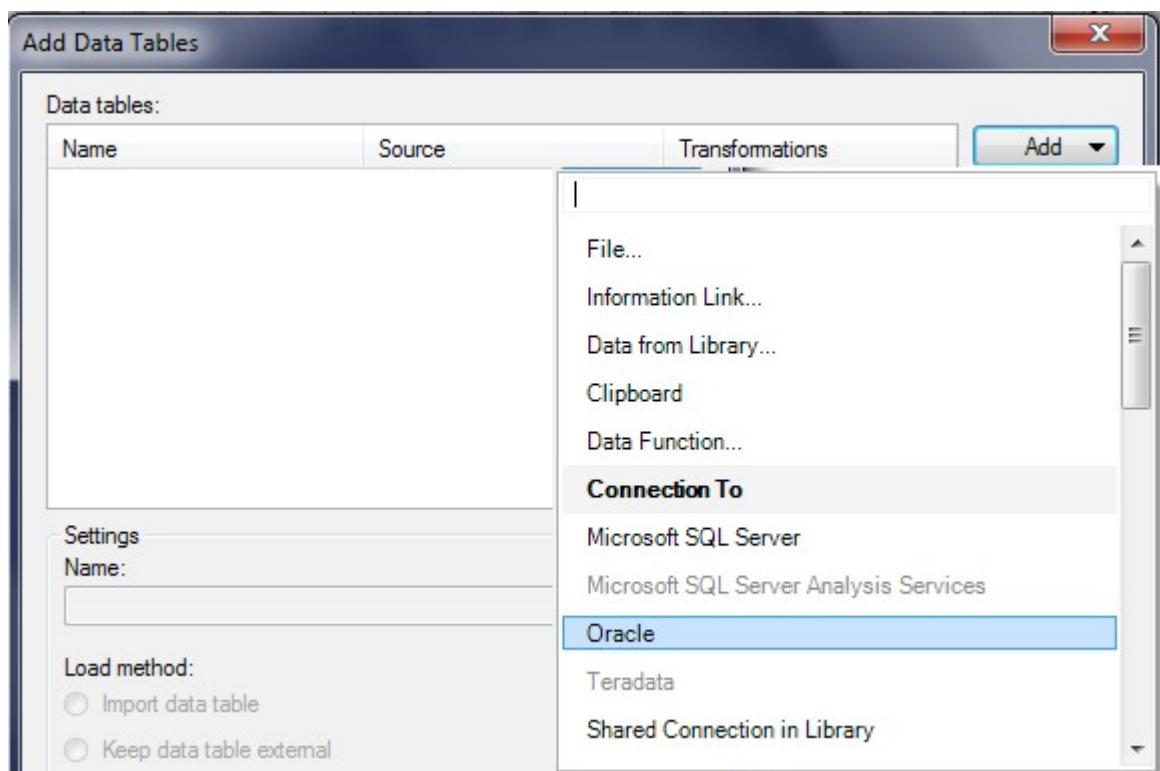
License	Enabled	Set for Group
TIBCO Spotfire Diagnostics	<input type="checkbox"/>	
TIBCO Spotfire Web Player	<input checked="" type="checkbox"/>	
TIBCO Spotfire Enterprise Player	<input checked="" type="checkbox"/>	
TIBCO Spotfire Professional	<input type="checkbox"/>	
TIBCO Spotfire Business Author	<input type="checkbox"/>	
TIBCO Spotfire Connectors	<input type="checkbox"/>	
TIBCO Spotfire Advanced Analytics	<input type="checkbox"/>	
TIBCO Spotfire Extensions	<input type="checkbox"/>	
TIBCO Spotfire Information Modeler	<input type="checkbox"/>	
TIBCO Spotfire Administrator	<input type="checkbox"/>	

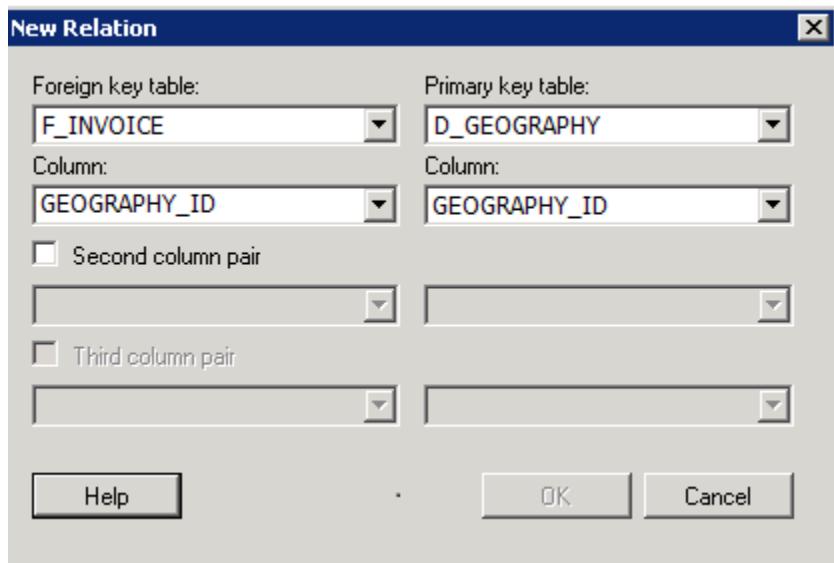
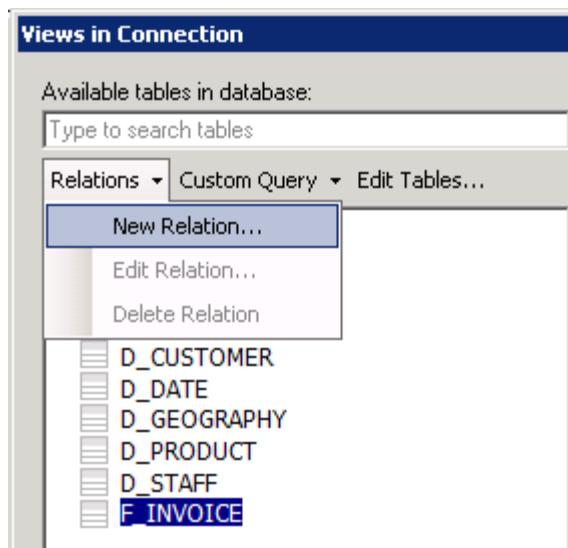
Show as hierarchical
Show as alphabetical

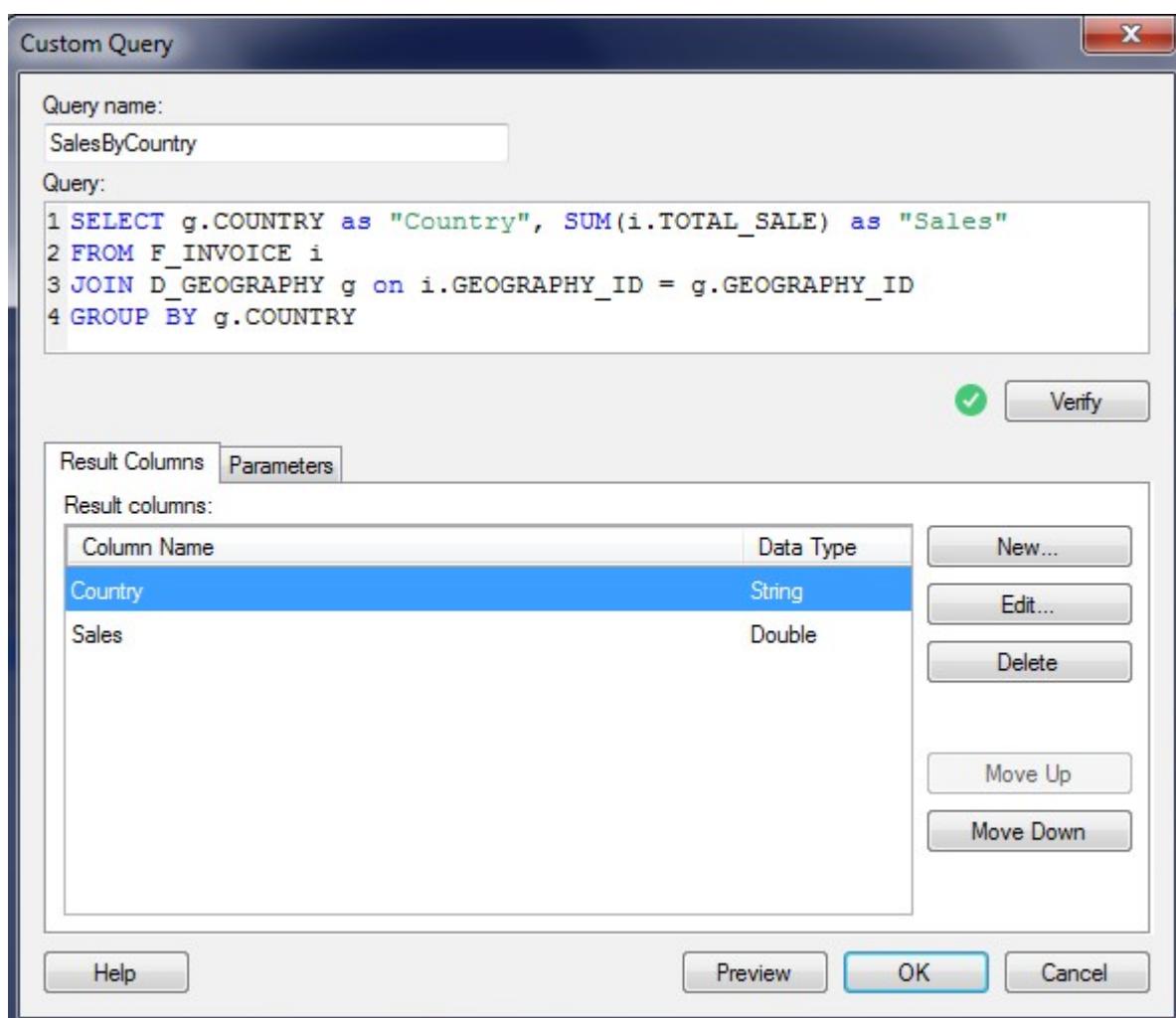
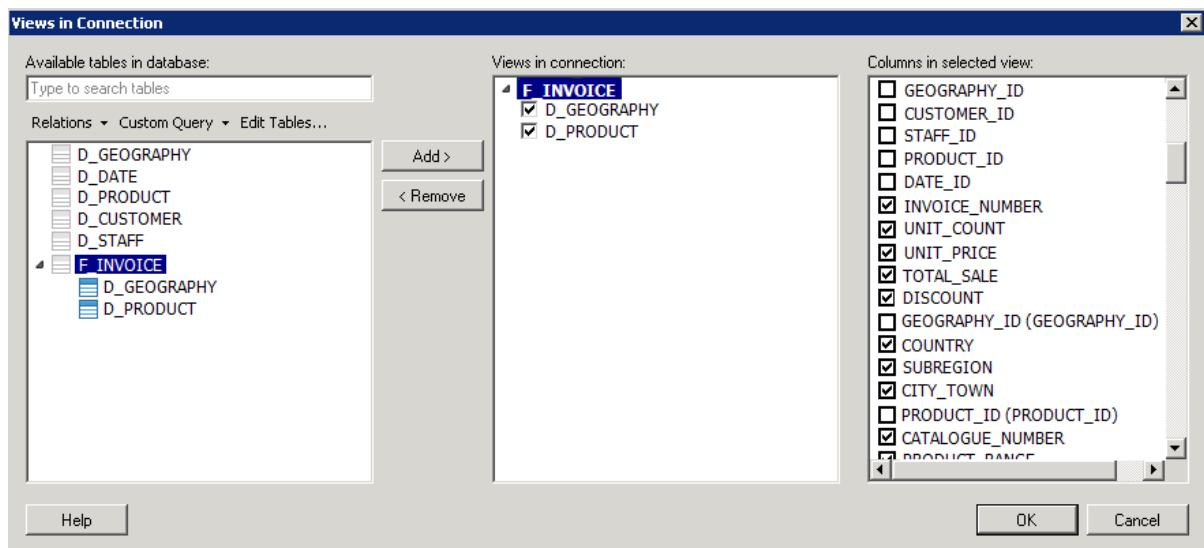
New Group Delete Help OK Cancel



Chapter 05







Column Properties

Data table: 6404_01_BaseballPlayerData

Columns and hierarchies:

Type to search Insert ▾

Name	ColumnType	DataType	ExternalName	ExternalId	IsValid
Team	Imported	String	Team		True
League	Imported	String	League		True
Games Played	Imported	Integer	Games Played		True
At Bats	Imported	Integer	At Bats		True
Runs	Imported	Integer	Runs		True
Hits	Imported	Integer	Hits		True
Doubles	Imported	Integer	Doubles		True

General Formatting Properties Geocoding Sort Order

Calculated Column...
 Binned Column...
 Hierarchy...

Insert Calculated Column

Available columns:

Type to search

Name	Data Type
RBI	Integer
Stolen Bas...	Integer
Caught St...	Integer
Walks	Integer
Strike Outs	Integer
Intentional ...	Integer
Hit By Pitch	Integer
Score	Integer

Insert Columns Insert Properties Insert Function

Available properties for column: Strike Outs

Type to search

Name	Data Type	Properties	Value
FiscalYe...	Integer	Doc...	0
MaxMis...	Integer	Doc...	500000
PlayerN...	String	Doc...	Luis Cas...
PlayerN...	String	Doc...	Edgardo...
TeamN...	String	Doc...	Florida
Descript...	String	Table	
ExternalId	String	Table	

Functions

Category: All functions

Function: +

Adds the two arguments.

Expression:

1 [Walks] / [Strike Outs]

Recent expressions: Min([OBP]) Insert

Column name: BB/K

Resulting expression: Not applicable.

Sample result: 1.31 Type: Real Formatting...

Help OK Cancel

Set property value through:

Unique values in column

Settings

Data table: 6404_01_BaseballPlayerData Column: Team

Functions

Category:

All functions

Function:

per

Percent
Percentile
BaseRowId
IQR
P10
P90
PctOutliers

The percentile is the value at which a certain percent of the data values are equal to or lower than the value. The first argument is the column to analyze and the second argument is the percent.

Example:

Insert Function



Major League Baseball Stats

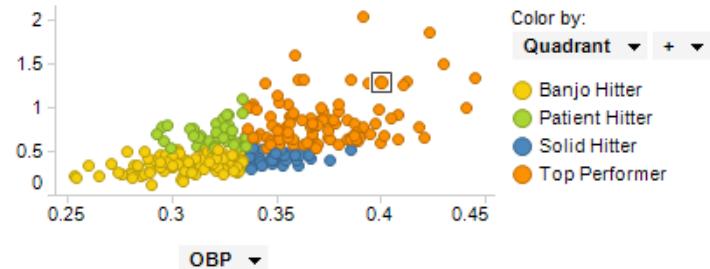
Team

San Francisco ▾

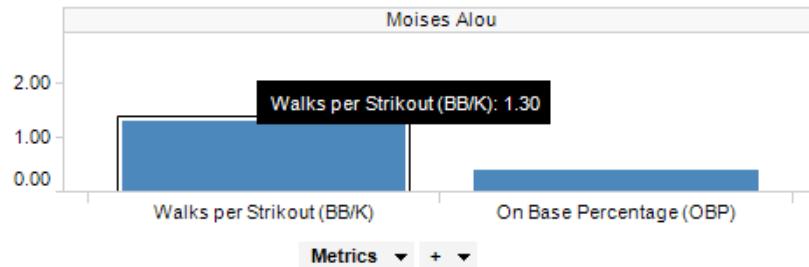
Player

Edgardo Alfonzo
J.T. Snow
Jason Ellison
Michael Tucker
Mike Matheny
Moises Alou
Omar Vizquel
Pedro Feliz
Ray Durham

BB/K vs. OBP



BB/K and OBP for Selected Player



Active Player	Quadrant	Walks per Stri...	Walks (BB)	Strike Outs (K)
Moises Alou	Top Performer	1.30	56	43

Data

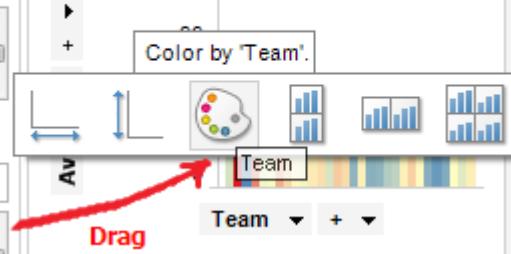
Data tables:

(All)
6404_01_BaseballPlayerData
6404_01_BaseballTeamData

Columns:

Type to search columns
Team
League

Home Runs



The screenshot shows a context menu for the 'Date' dimension. The menu includes options like '(Column Names)', '(Subsets)', '(Row Number)', 'Date', 'Country', and a collapsed section 'One-Month Rate'. A 'Remove' option is also present. To the right of the menu is a list of date-related hierarchy levels:

- Date
- Year
- Quarter
- Month
- Week
- Day of Year
- Day of Month
- Day of Week
- Year » Quarter
- Year » Quarter » Month
- Year » Quarter » Month » Day of Month
- Year » Month
- Year » Month » Day of Month
- Fiscal Year » Quarter » Month
- Fiscal Year
- Fiscal Quarter
- Fiscal Month

	Team	Avg Hits
ATLANTA		114.10
Arizona		114.18
Arizona		114.18
Atlanta		108.40
Atlanta		108.40
Atlanta		108.40

A dropdown menu for the 'Date (Month)' dimension is open, showing the hierarchy: 'Year » Quarter » Month'.

MoneyMarketInterestRates Sweden

Date	One-Month Rate	Moving Average	Explanation
01-Jan-1987	9.85	9.85	
01-Feb-1987	11.42	10.64	Jan-Feb Average
01-Mar-1987	11.56	10.94	Jan-Feb-Mar Average
01-Apr-1987	9.85	10.94	Feb-Mar-Apr Average
01-May-1987	9.45	10.29	Mar-Apr-May Average
01-Jun-1987	8.71	9.34	May-Jun-Jul Average
01-Jul-1987	8.64	8.93	

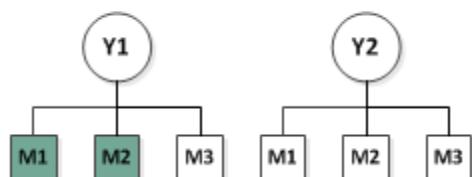
MoneyMarketInterestRatesSweden

Date	Delta	Current Year's Average	Previous Year's Average
01-Oct-1989	1.48	11.71	10.23
01-Nov-1989	1.48	11.71	10.23
01-Dec-1989	1.48	11.71	10.23
01-Jan-1990	2.08	13.79	11.71
01-Feb-1990	2.08	13.79	11.71
01-Mar-1990	2.08	13.79	11.71
01-Apr-1990	2.08	13.79	11.71
01-May-1990	2.08	13.79	11.71
01-Jun-1990	2.08	13.79	11.71
01-Jul-1990	2.08	13.79	11.71
01-Aug-1990	2.08	13.79	11.71
01-Sep-1990	2.08	13.79	11.71
01-Oct-1990	2.08	13.79	11.71
01-Nov-1990	2.08	13.79	11.71
01-Dec-1990	2.08	13.79	11.71
01-Jan-1991	-1.93	11.86	13.79
01-Feb-1991	-1.93	11.86	13.79

MoneyMarketInterestRatesSweden

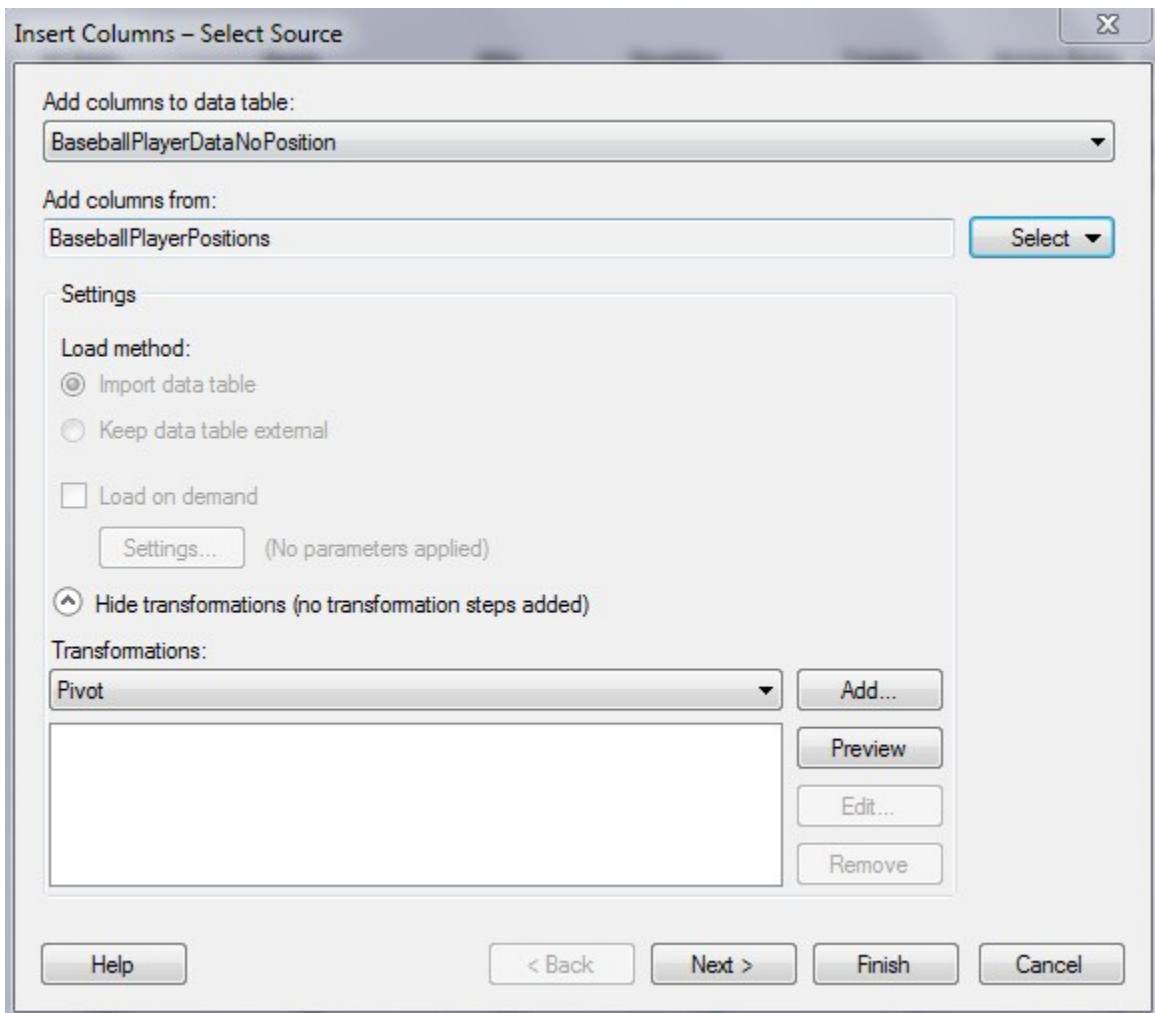
Date	One-Month Rate	This Month Last Year	Month-On-Month Difference
01-Jan-1987	9.85		
01-Feb-1987	11.42		
01-Mar-1987	11.56		
01-Apr-1987	9.85		
01-May-1987	9.45		
01-Jun-1987	8.71		
01-Jul-1987	8.64		
01-Aug-1987	9.00		
01-Sep-1987	9.12		
01-Oct-1987	9.20		
01-Nov-1987	9.41		
01-Dec-1987	9.21		
01-Jan-1988	9.22	9.85	-0.63
01-Feb-1988	9.45	11.42	-1.97
01-Mar-1988	9.59	11.56	-1.97
01-Apr-1988	9.87	9.85	0.02

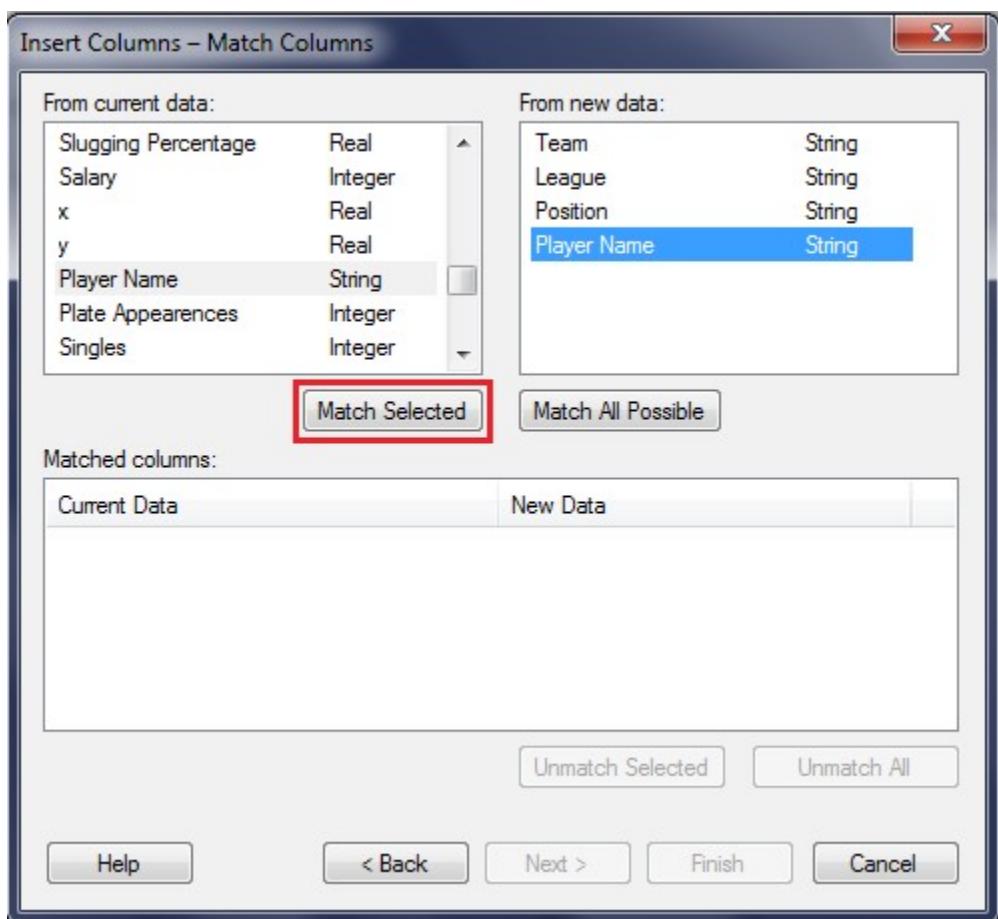
PreviousPeriod

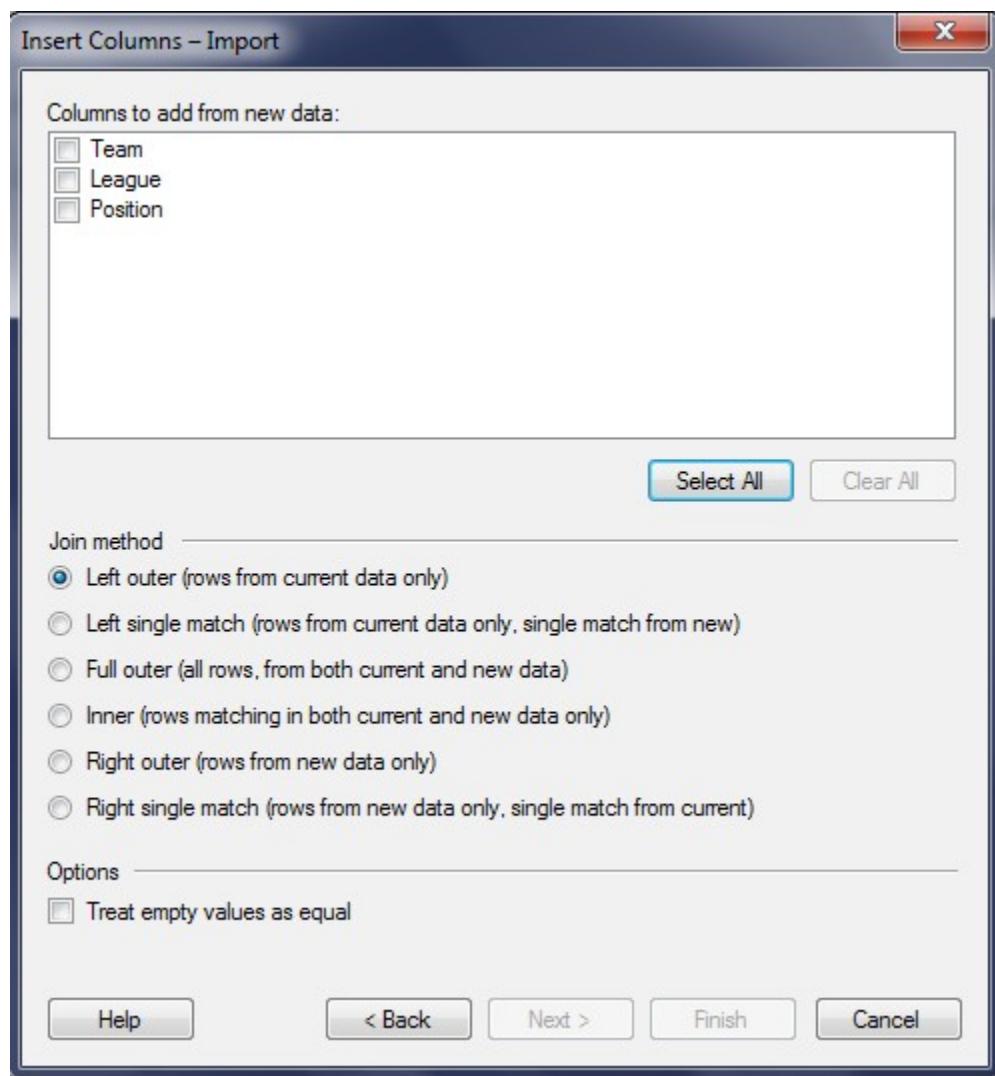


ParallelPeriod



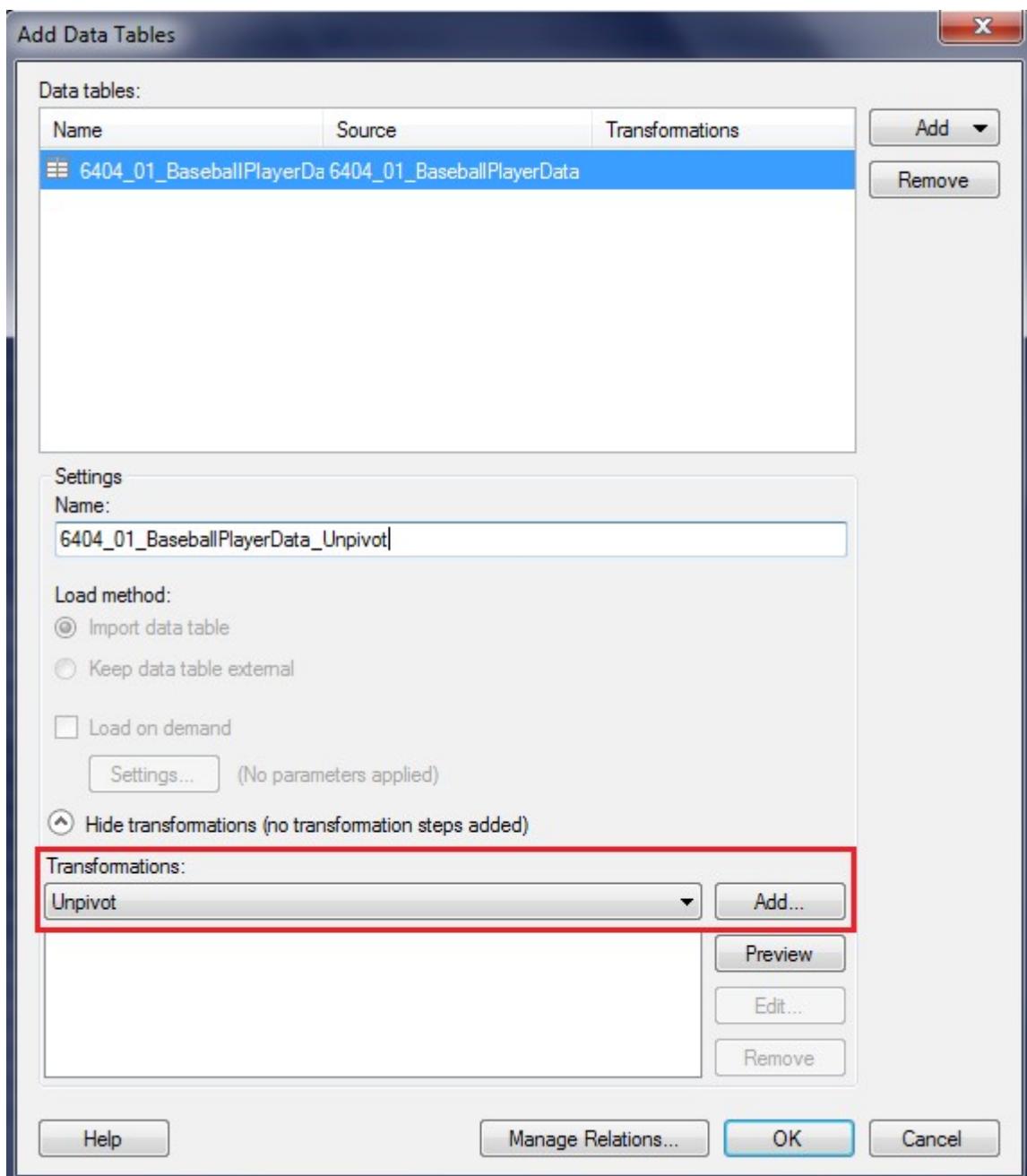






Country Abbreviation	GDP (USD million)
USA	16800000
CHN	9240270
JPN	4901530
DEU	3634823

CHN_GDP	DEU_GDP	FRA_GDP	JPN_GDP	USA_GDP
9240270	3634823	2734949	4901530	16800000



Unpivot Data

Available Columns:		Columns to pass through:	
Type to search		Add >	League
RBI		< Remove	Team
Stolen Bases		Remove All	Player Name
Caught Stealing			
Walks			
Strike Outs			
Intentional Walks			
Hit By Pitch			
Sacrifice Hits			
Sacrifice Flies			
Grounded Into Double Play			
Batting Average			
On Base Percentage			
Slugging Percentage			
Salary			
Position			

Columns to transform:	
Home Runs	
Triples	
Doubles	
Hits	
Runs	
At Bats	
Games Played	

Category column name (contains transformed column names):	Data type:
Statistics Category	String
Value column name:	Data type:
Statistic	Integer

Include empty values

Sample:

League	Team	Player Name	Statistics Cate...	Statistic
String	String	String	String	Integer
AL	Detroit	Placido Polanco	Home Runs	6
AL	Detroit	Placido Polanco	Triples	2
AL	Detroit	Placido Polanco	Doubles	20
AL	Detroit	Placido Polanco	Hits	116
AL	Detroit	Placido Polanco	Runs	58
AL	Detroit	Placido Polanco	At Bats	343
AL	Detroit	Placido Polanco	Games Played	86
NL	NY Mets	Doug Mientkiewicz	Home Runs	11
NL	NY Mets	Doug Mientkiewicz	Triples	0

Pivot Data

Row identifiers:

League ▾ Team ▾ + ▾

Column titles (%C):

Statistics Category ▾ + ▾

Values (%V) and aggregation methods (%M):

Sum(Statistic) ▾ + ▾

Column naming pattern:

%C

Transfer columns (%T) and aggregation methods (%A):

(None) ▾

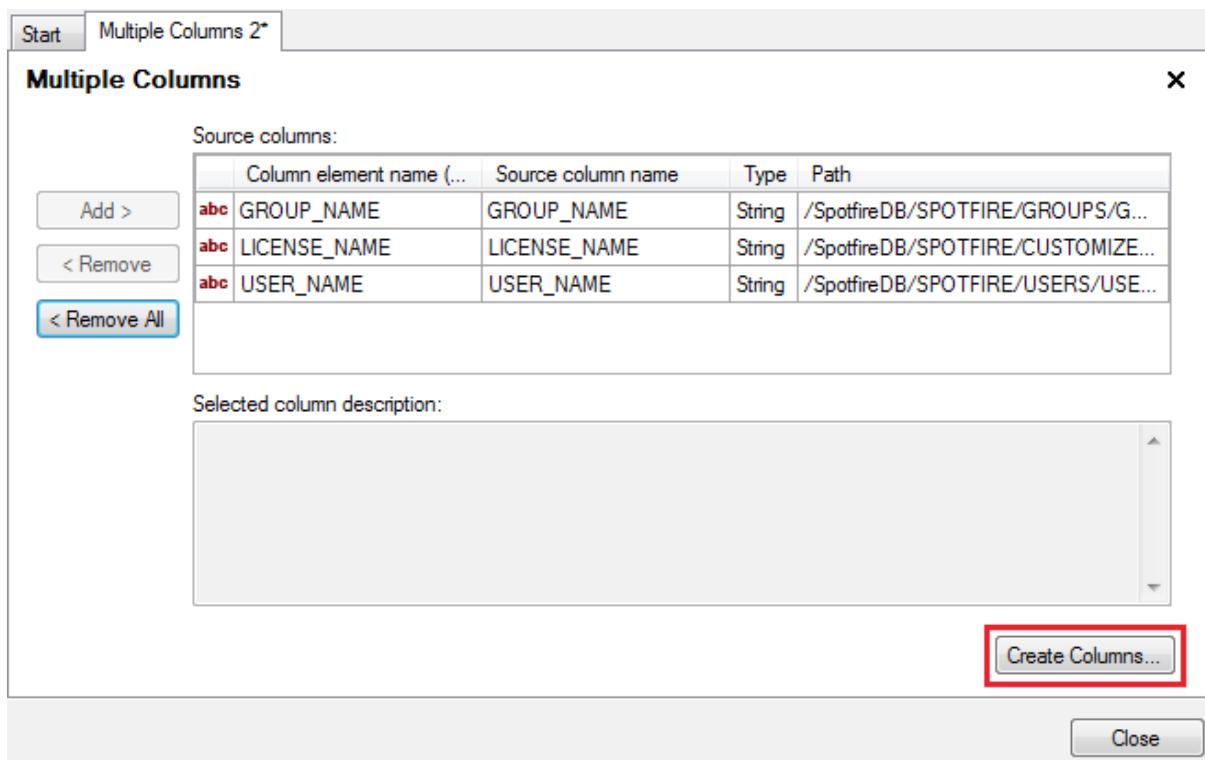
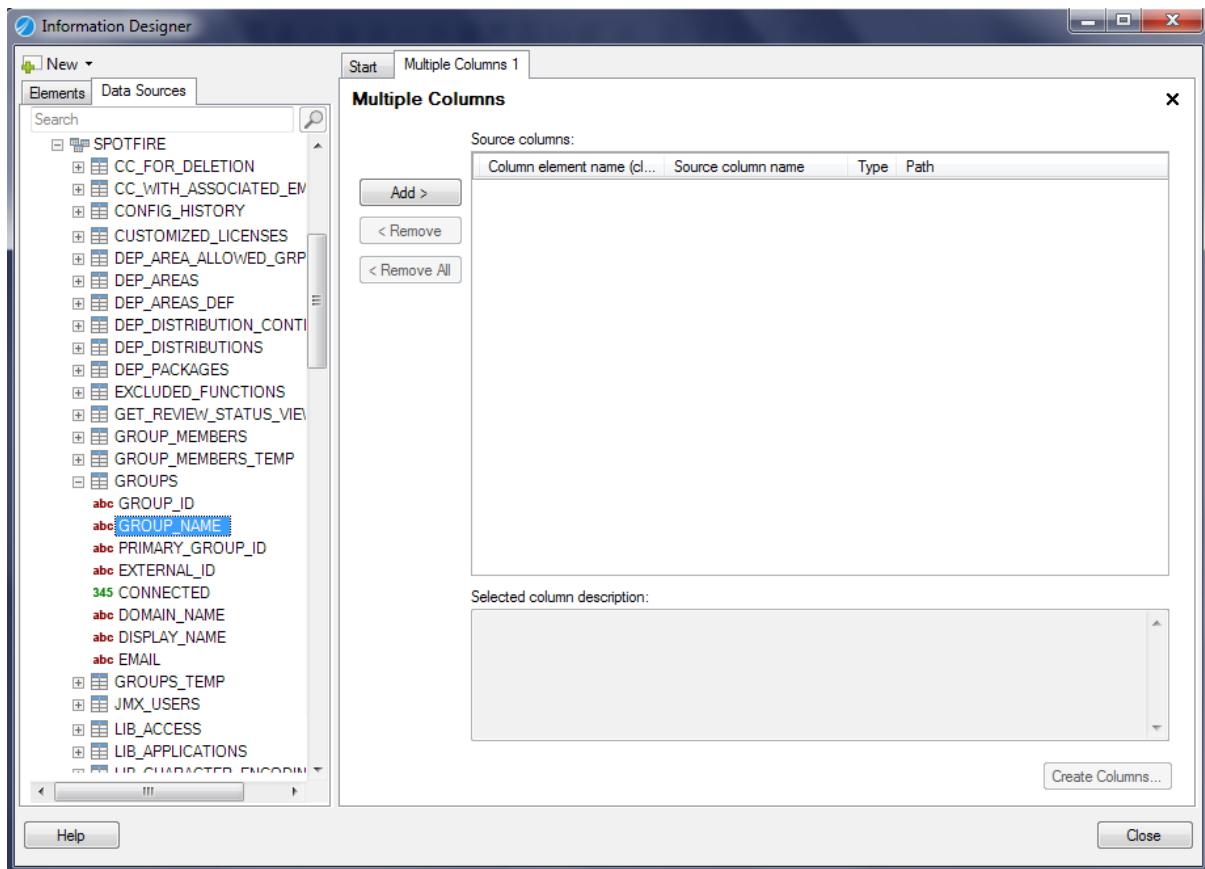
Transfer column naming pattern:

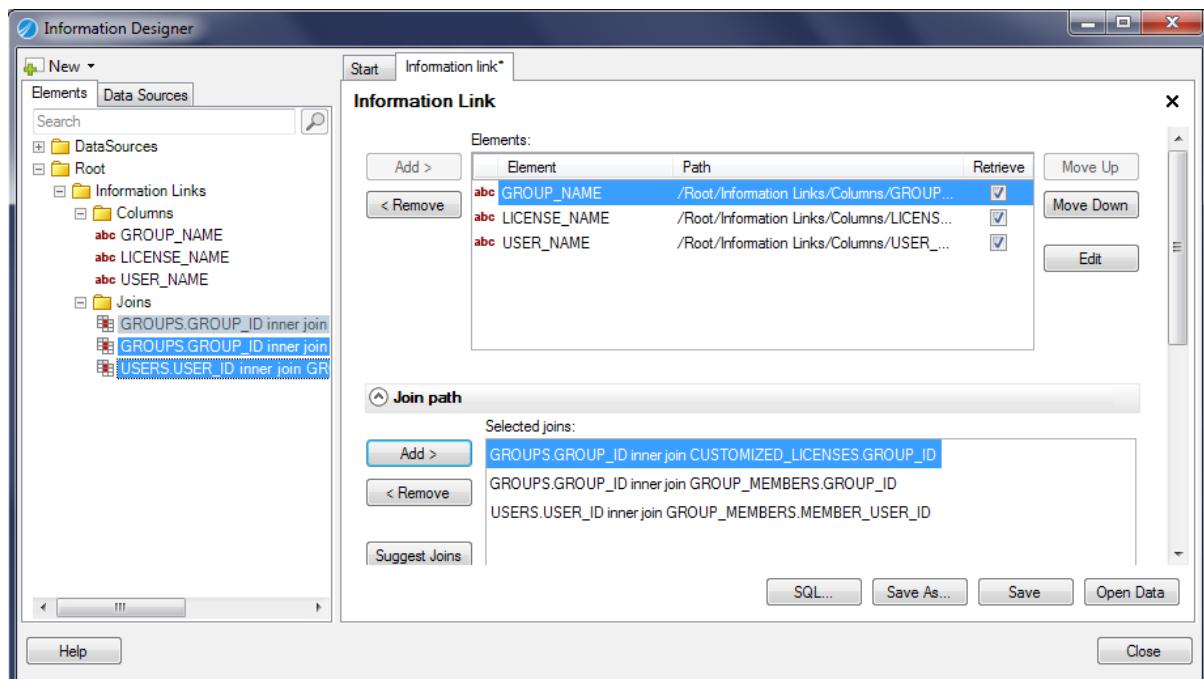
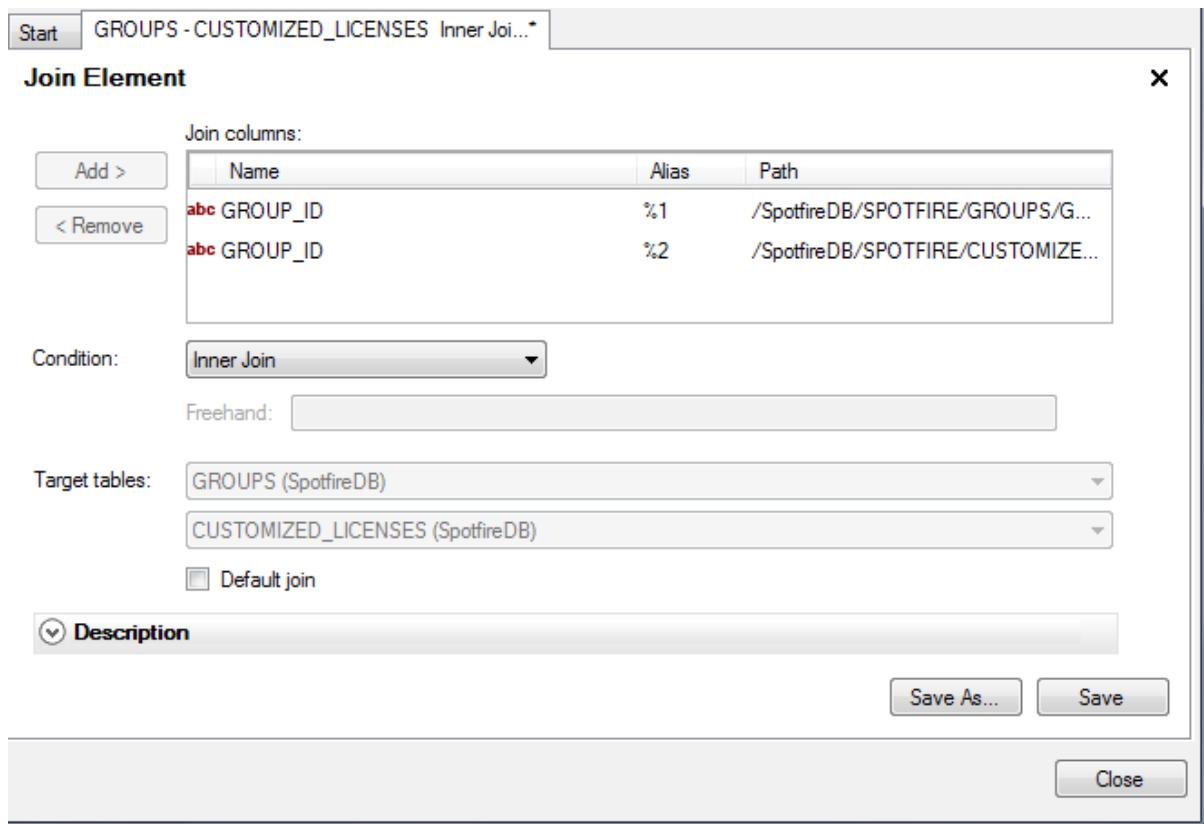
%A(%T)

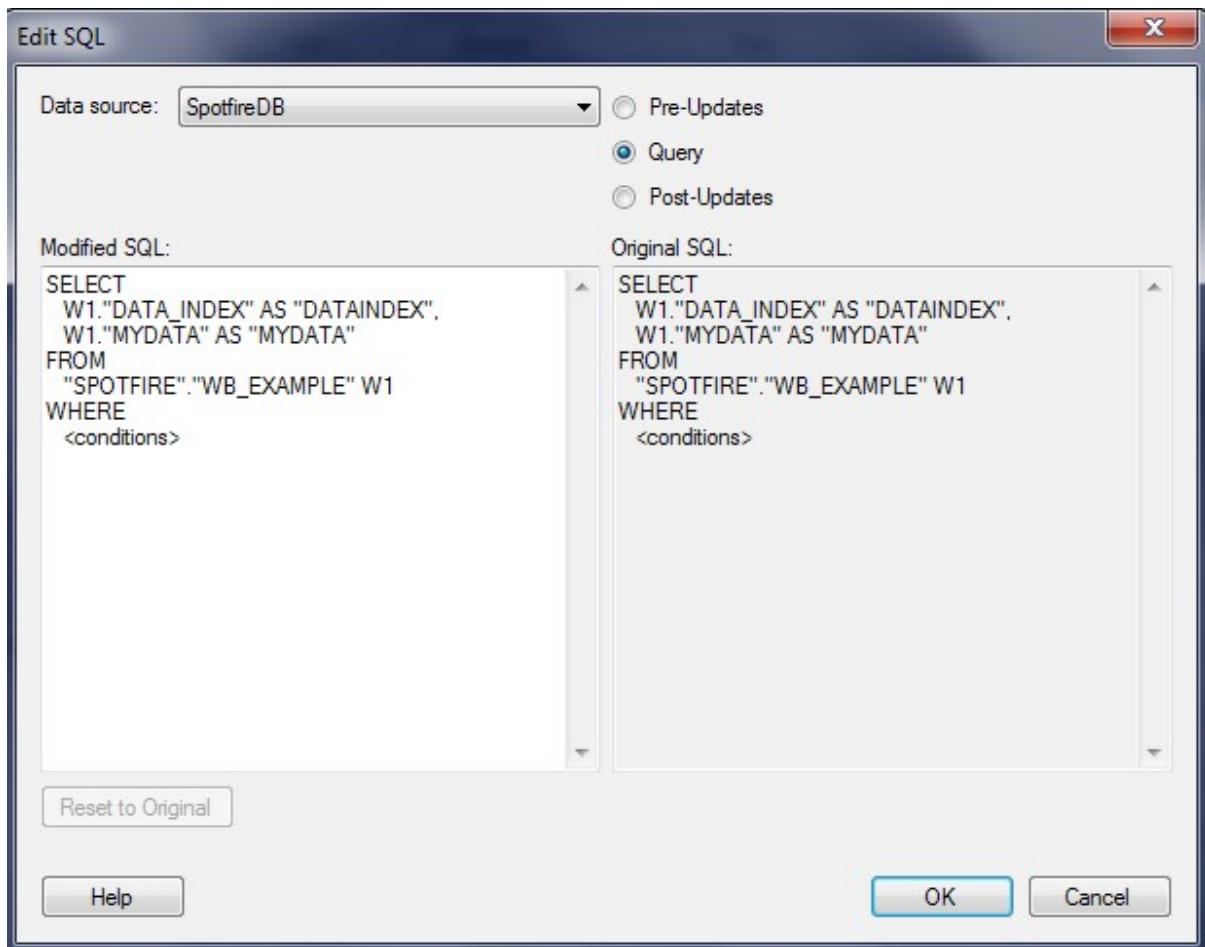
Sample:

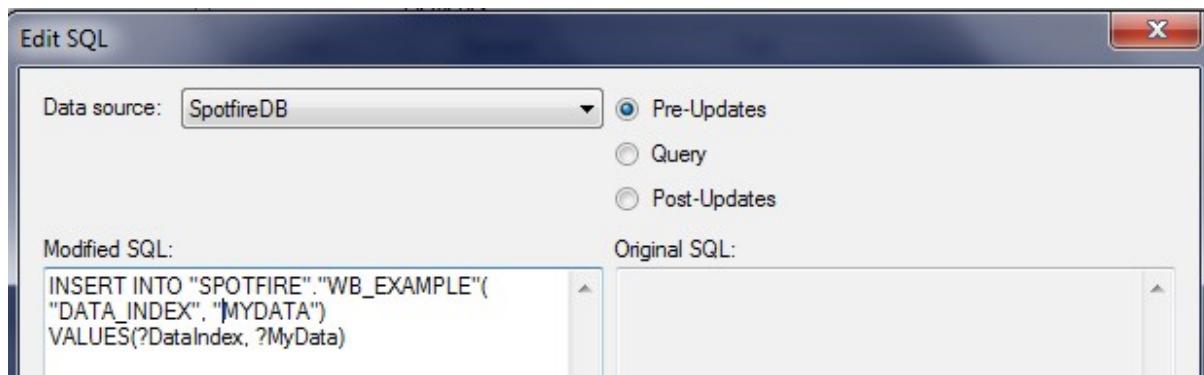
League	Team	At Bats	Doubles	Games Played	Hits
String	String	Real	Real	Real	Real
AL	Baltimore	522.00	22.00	180.00	139.00
AL	Detroit	677.00	35.00	173.00	223.00
AL	Texas	308.00	12.00	88.00	68.00
NL	Arizona	161.00	6.00	88.00	37.00
NL	Cincinnati	332.00	26.00	92.00	96.00
NL	Colorado	237.00	12.00	92.00	52.00
NL	Houston	109.00	5.00	91.00	24.00
NL	NY Mets	542.00	22.00	174.00	134.00

Help OK Cancel





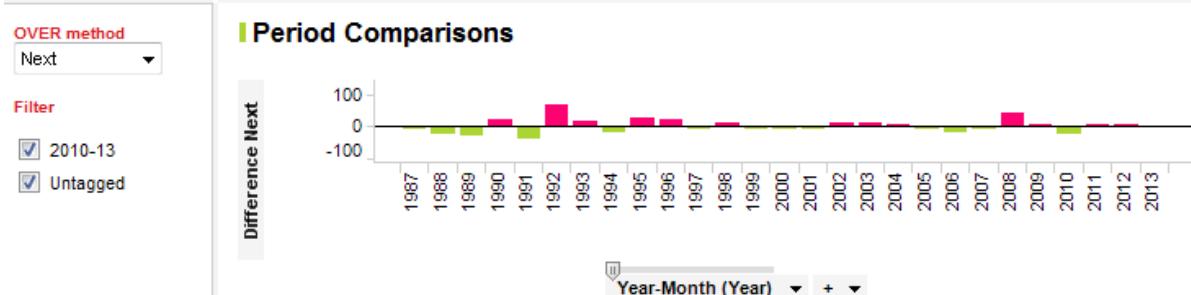
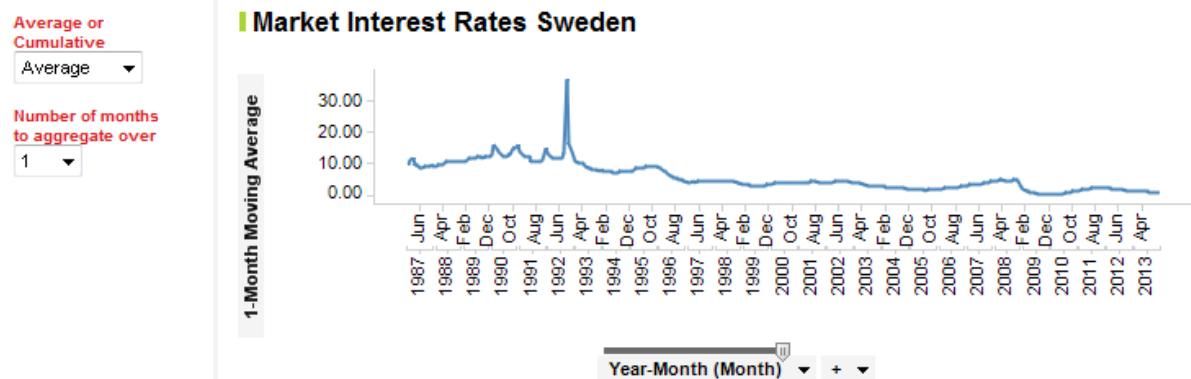


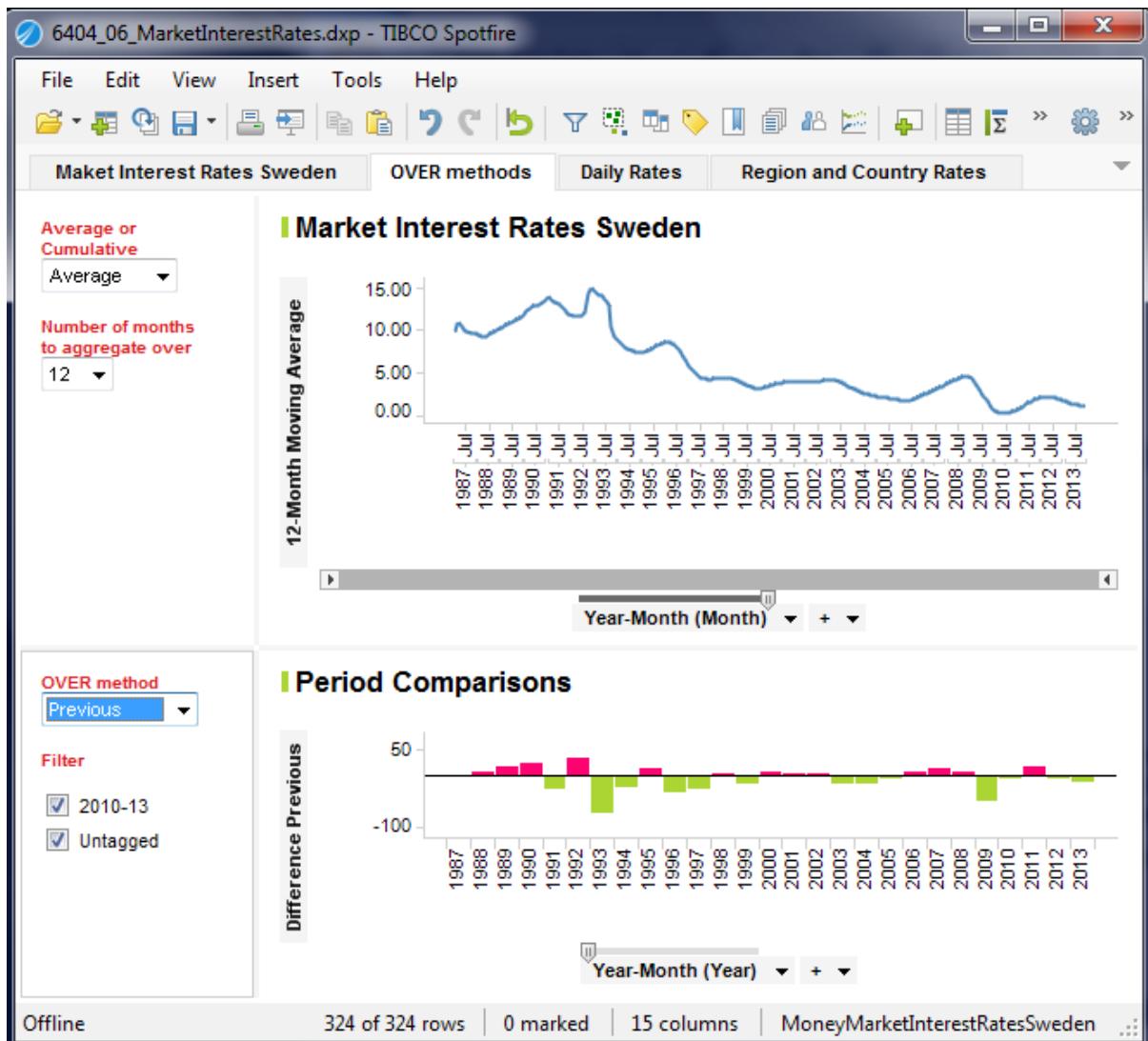


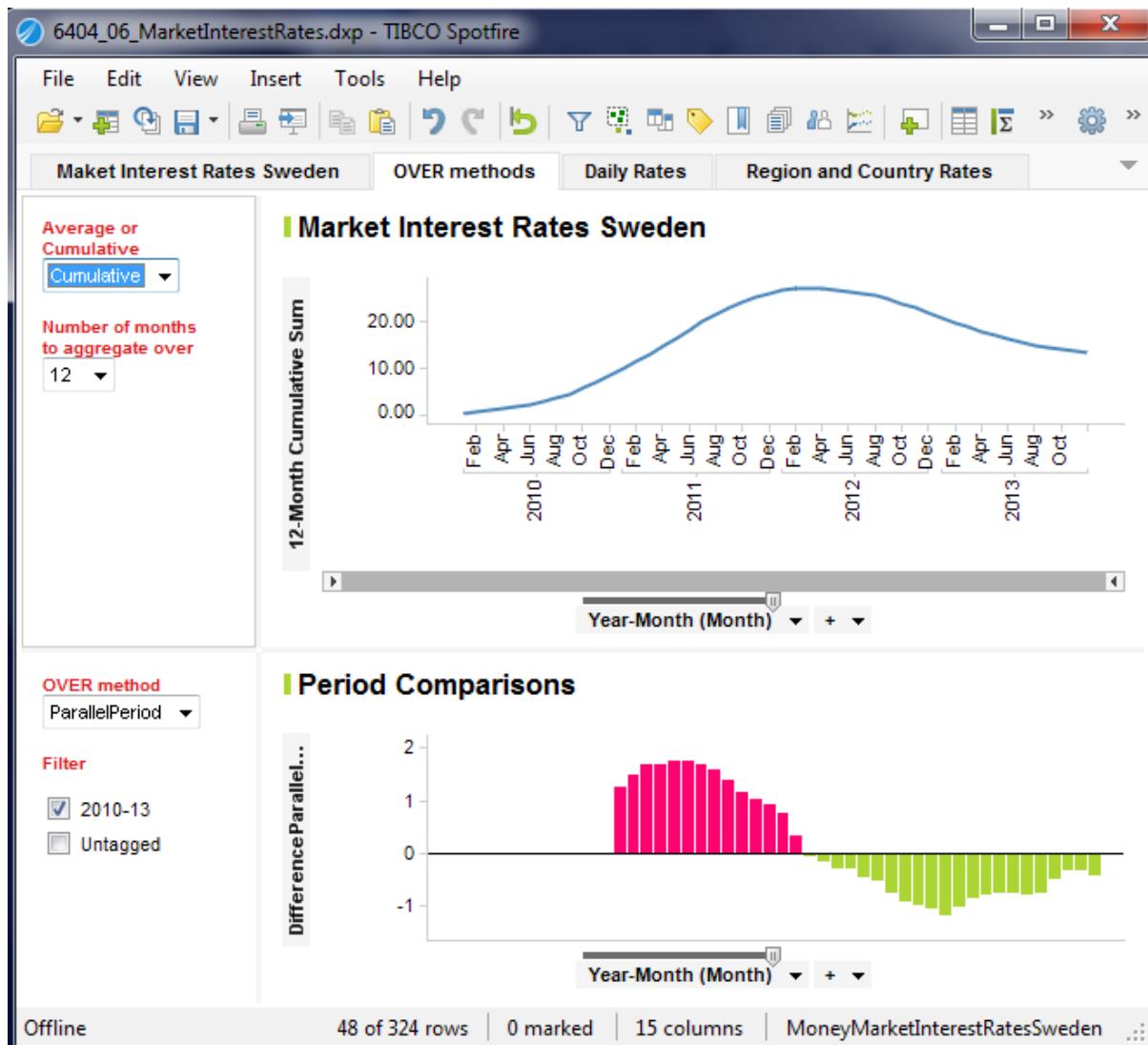
The dialog box has a title bar "TIBCO Spotfire". It contains a warning message: "This file expects a programmatically supplied parameter value. Use the input field below to supply a temporary value for testing." with an exclamation mark icon. Below this is a text input field "Value for parameter DataIndex:" containing "2". An example text "Example: value, \"value 2\" is shown. At the bottom are "Help", "OK", and "Cancel" buttons. To the right of the dialog is a table titled "WriteBack" with the following data:

DATA_INDEX	MYDATA
1.00	First Entry
2.00	Second Entry

Chapter 06







MoneyMarketInterestRatesSweden

Aggregation:
(None)

(Row Count)
Date
Country
One-Month Rate
All
AllNext
Country-Date
AllPrevious
FirstNode
LastNode
LastPeriods(4)
Moving average (2)
Next
Previous
PreviousPeriod
NextPeriod

Aggregation:
Moving Average

Display name:

Axis:
X

Interval size:
10

Exclude incomplete intervals

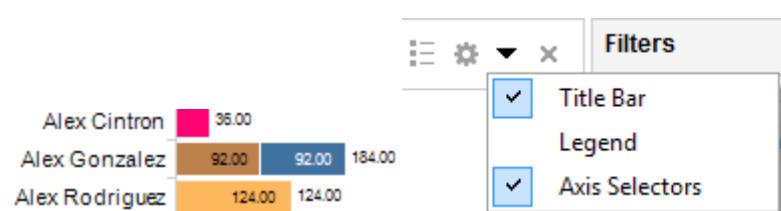
Hide Empty Values

A red arrow points to the "Moving Average" option in the Aggregation dropdown menu.

Value Axis

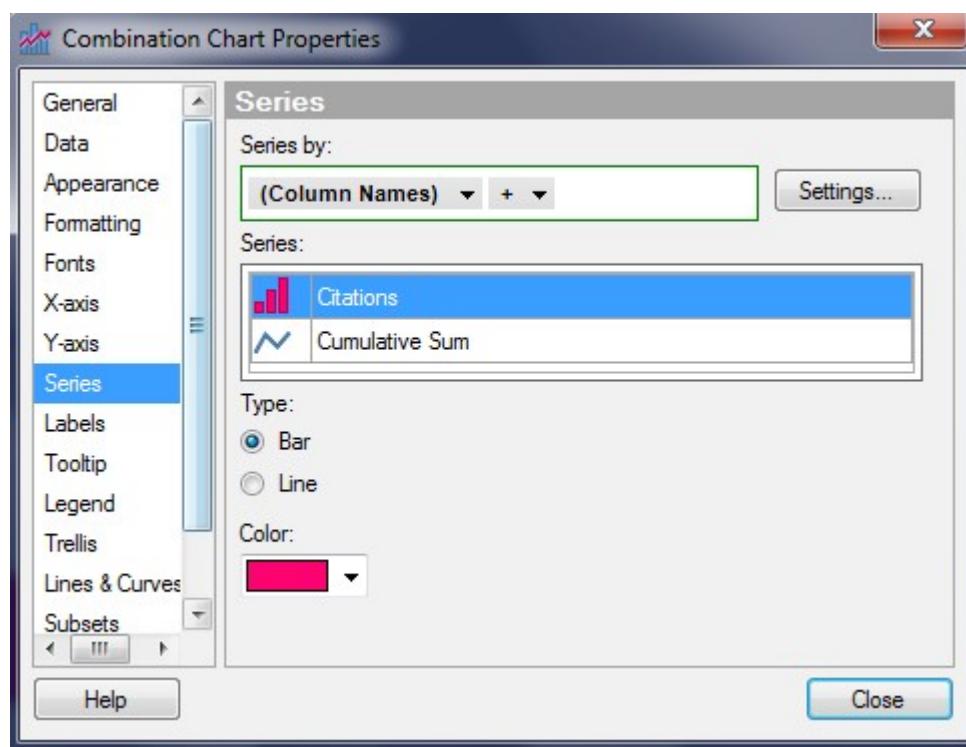
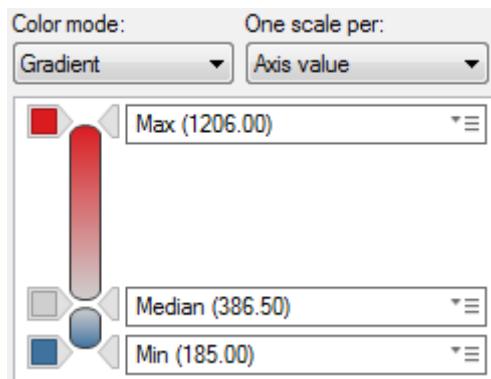
Columns:

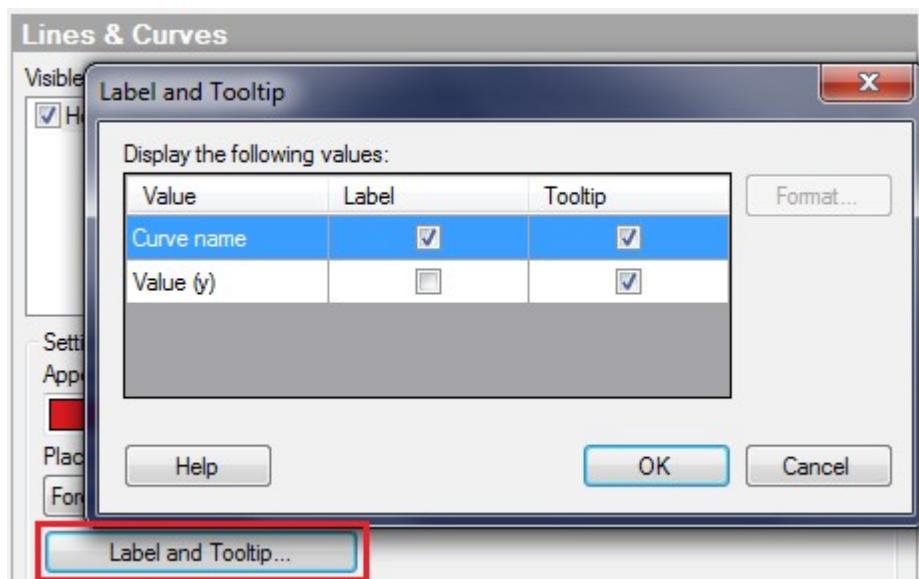
Sum(Salary)	Sum(Runs)
6404_06_BaseballPlayerBackground	6404_06_BaseballPlayerBackground
6404_06_BaseballPlayerStats	6404_06_BaseballPlayerStats
Edit Column Matches...	
Team	Games Played
League	At Bats
Salary	Runs
Position	Hits
Player Name	Doubles
	Triples
	Home Runs



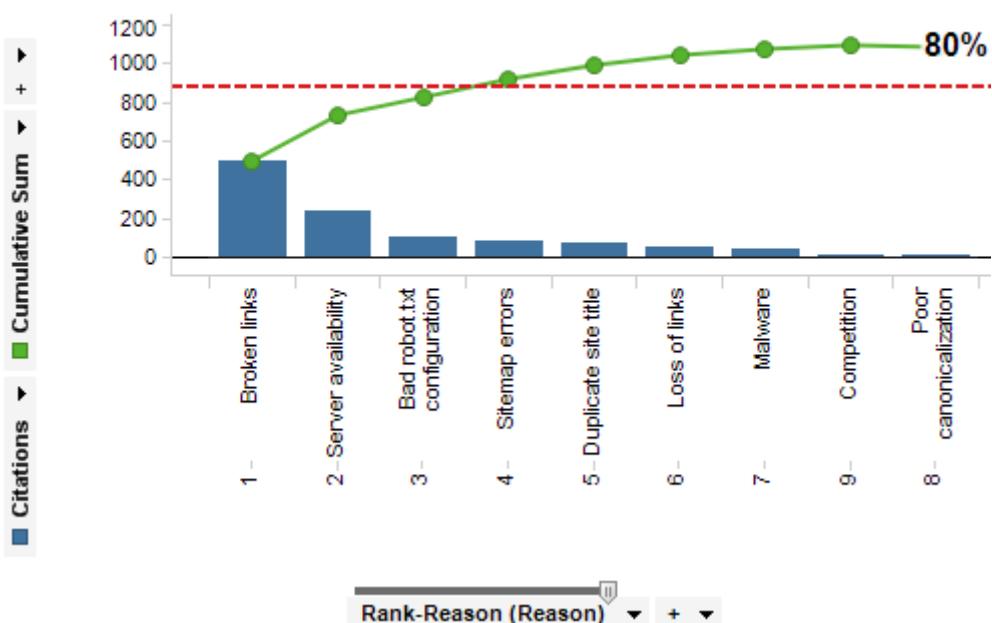
League	Team	Player Name	Sum(Runs)	Avg(Batting Average)
AL	Baltimore	B.J. Surhoff	30.00	0.257
		Brian Roberts	92.00	0.314
		Chris Gomez	27.00	0.279
		David Newhan	31.00	0.202
		Javy Lopez	47.00	0.278
		Jay Gibbons	72.00	0.277
		Luis Matos	53.00	0.280
		Melvin Mora	86.00	0.283
		Miguel Tejada	89.00	0.304
		Rafael Palmeiro	47.00	0.266
		Sammy Sosa	39.00	0.221
		Subtotal	613.00	0.269
	Boston	Bill Mueller	69.00	0.295
		David Ortiz	119.00	0.300
		Edgar Renteria	100.00	0.276

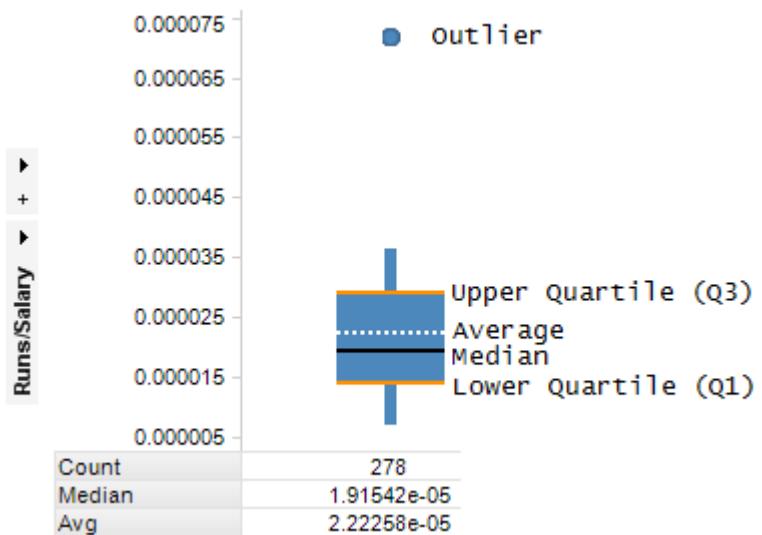
League	Banjo Hitter		Patient Hitter		Solid Hitter		Top Performer	
	Players	Win Shares	Players	Win Shares	Players	Win Shares	Players	Win Shares
AL	52	600.00	15	185.00	15	247.00	42	853.00
NL	49	444.00	23	229.00	23	329.00	59	1206.00



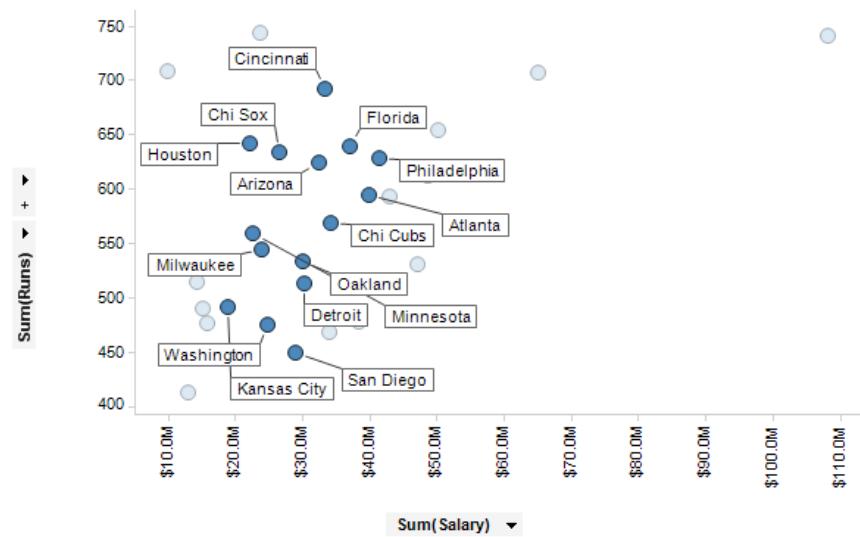


Raise My Ranking

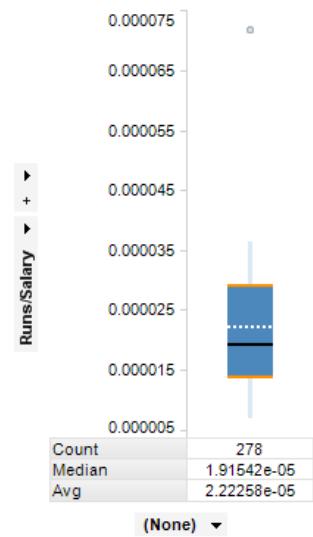




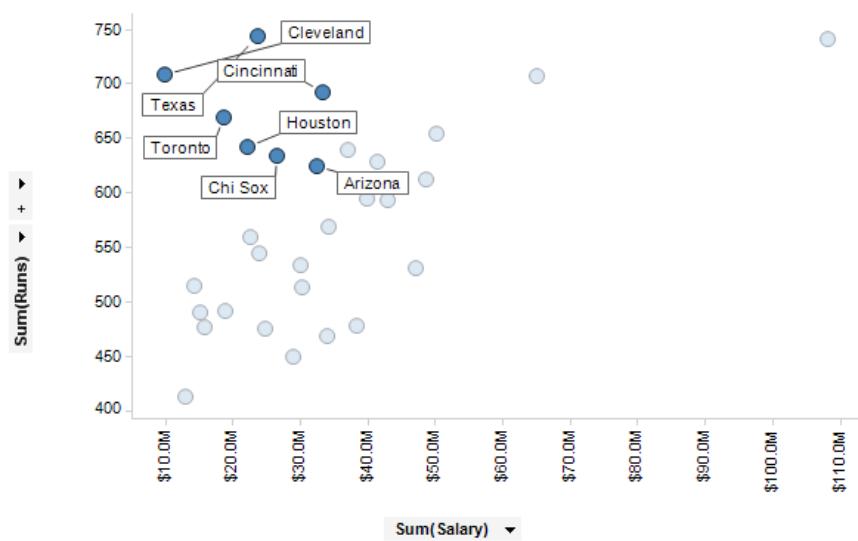
Team Runs versus Payroll Costs



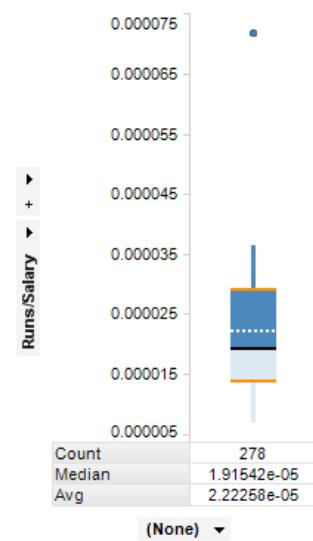
Box Plot



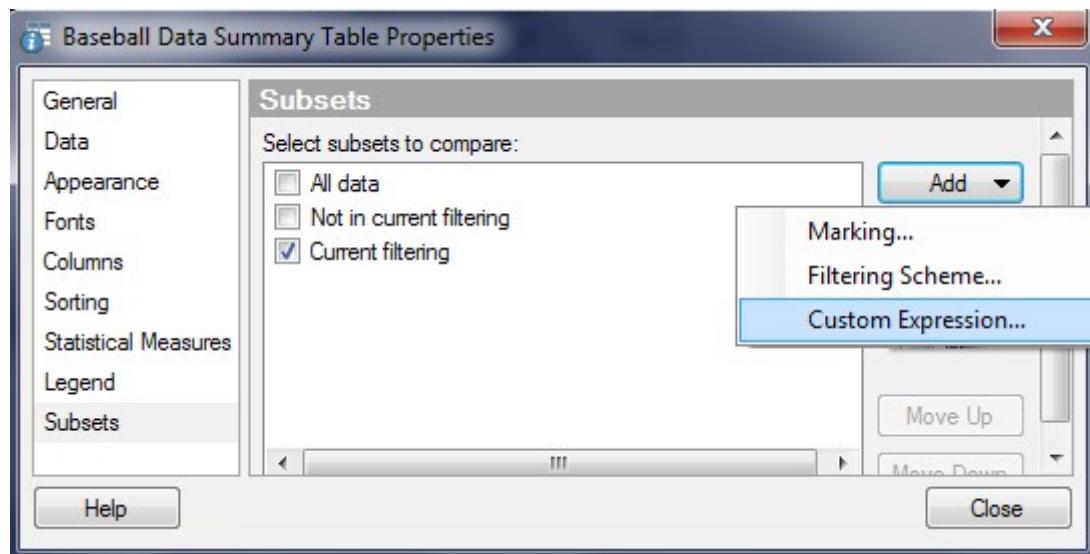
Team Runs versus Payroll Costs



Box Plot

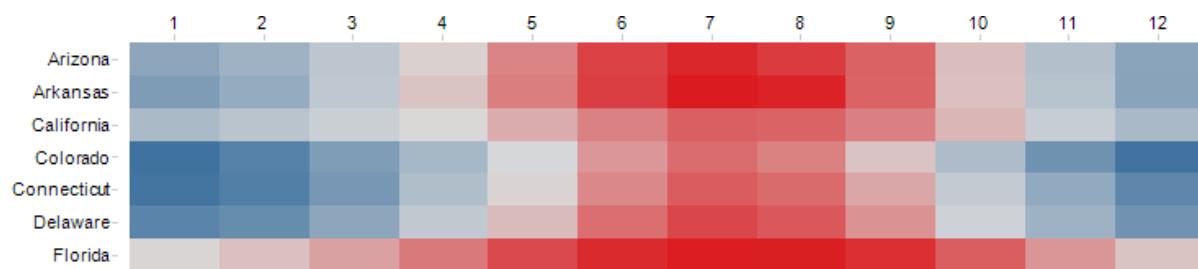


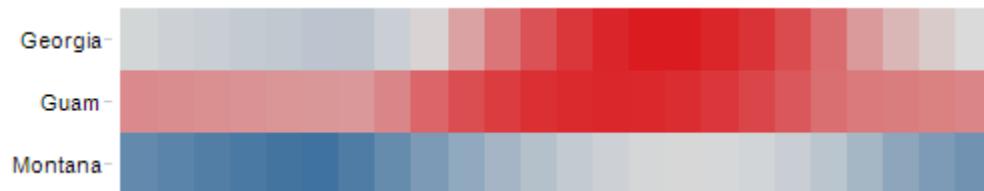
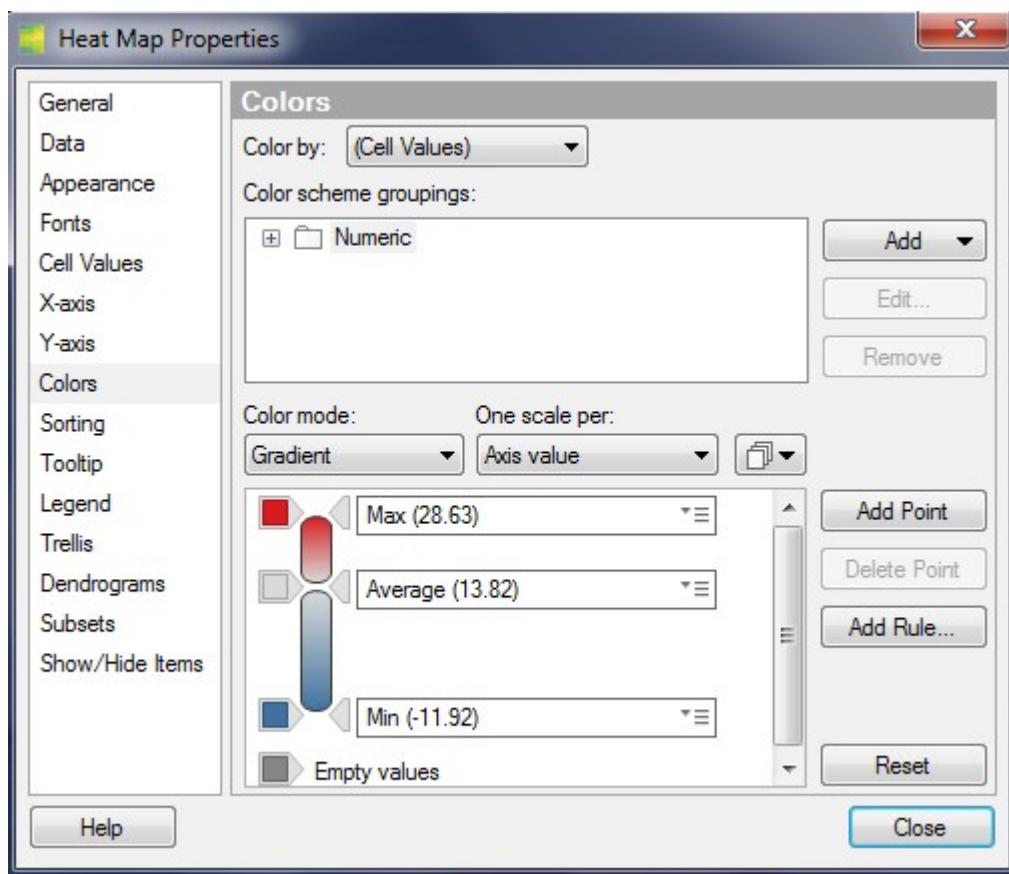
Column	Sum	Avg	Median	Min	Max	Q1	Q3
Games Played	36322.00	130.65	133.00	86	162	112.00	149.00
At Bats	124166.00	446.64	454.00	109	696	358.75	552.50
Runs	17401.00	62.59	61.00	12	129	45.00	78.00
Hits	34098.00	122.65	122.50	24	221	94.00	155.00
Doubles	6957.00	25.03	25.00	4	50	18.00	32.00
Triples	694.00	2.50	2.00	0	17	1.00	3.00
Home Runs	4033.00	14.51	12.00	0	51	7.00	20.00

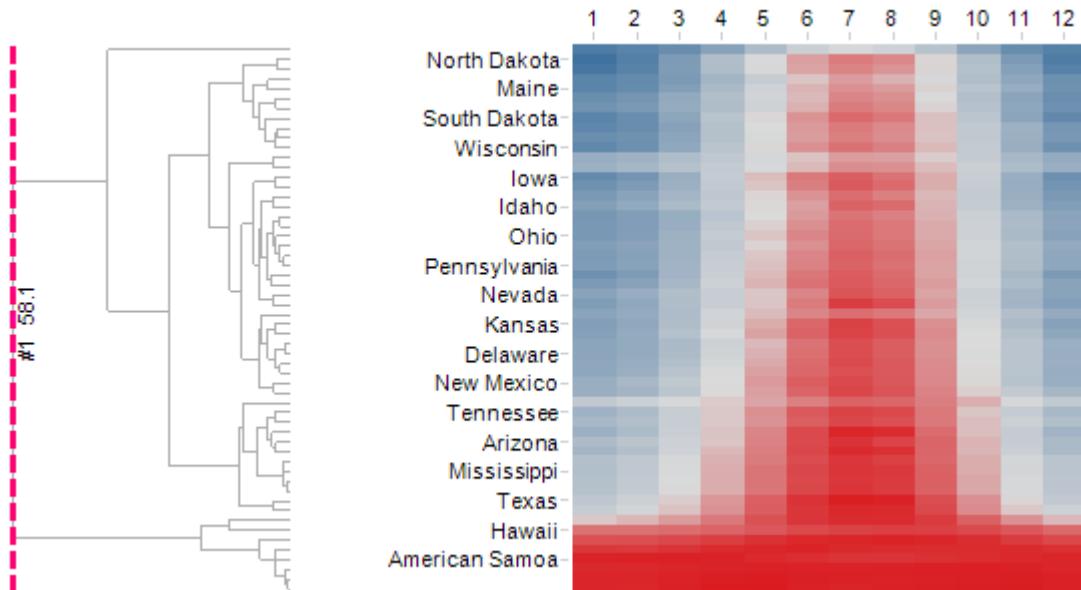
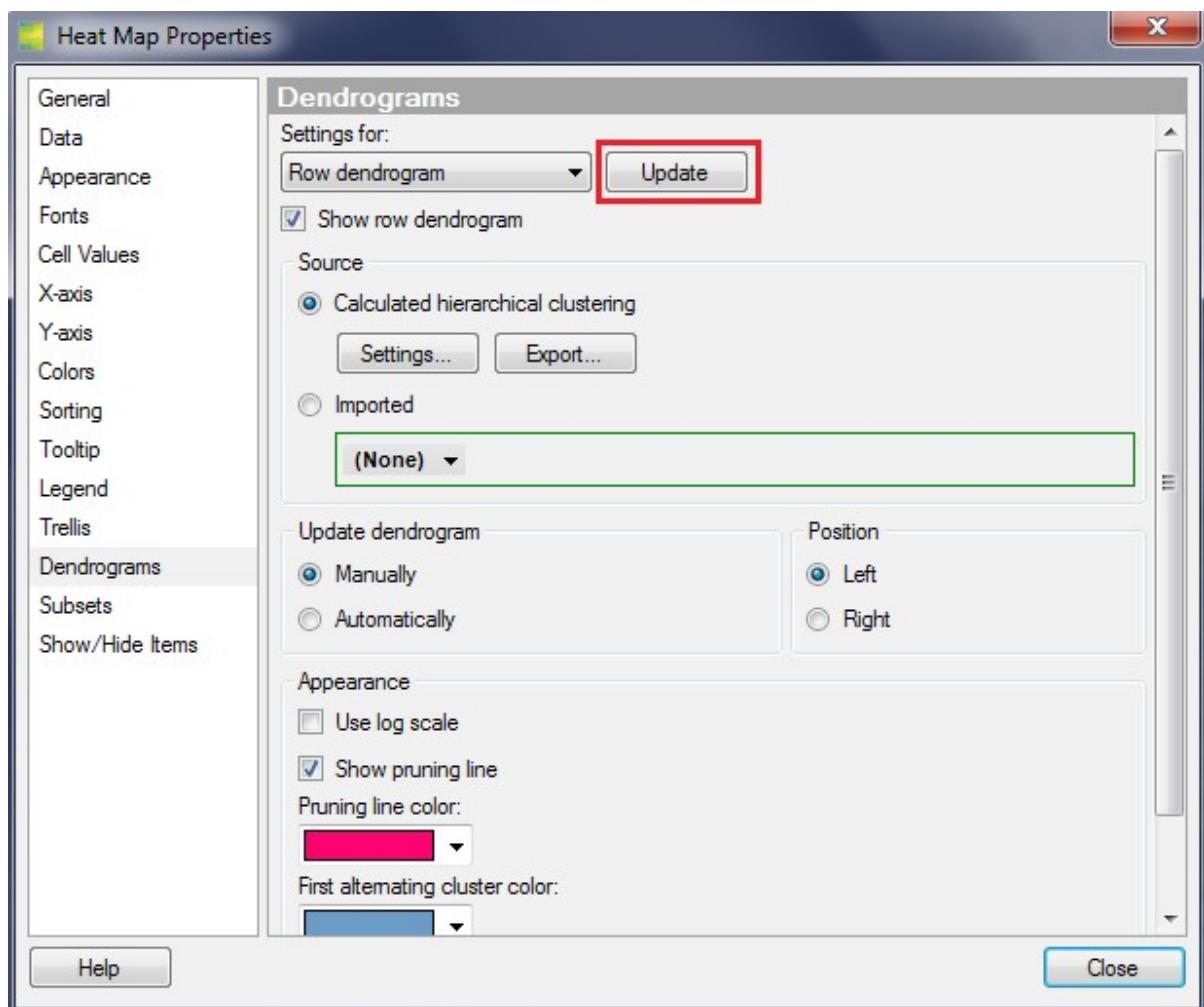


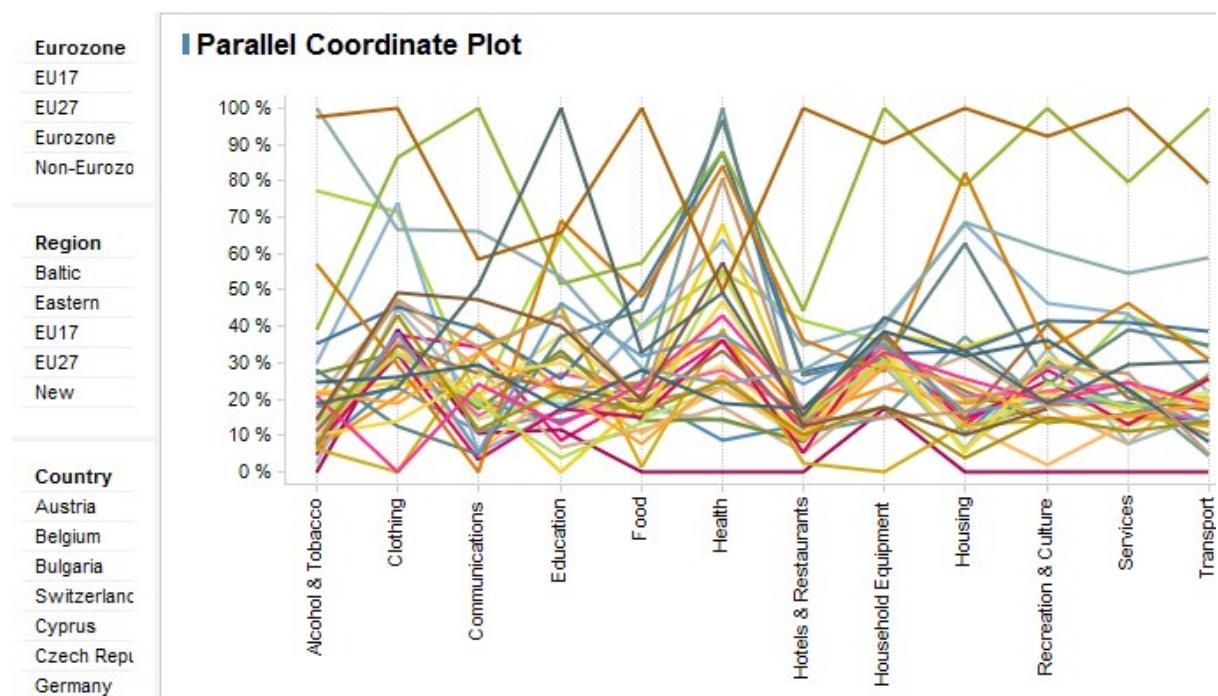
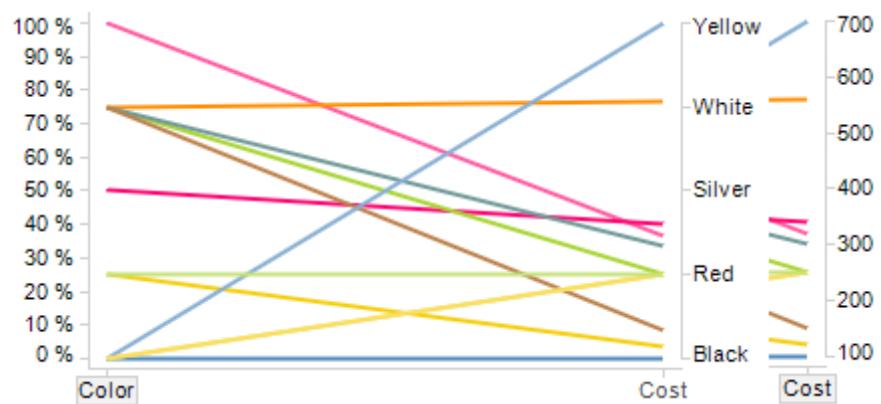
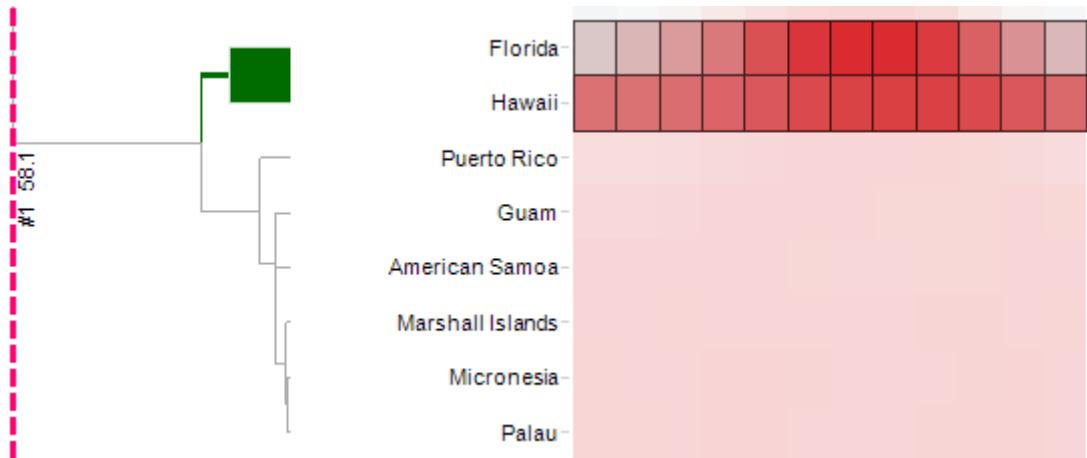
Column	(Subsets)	Sum	Avg	Median	Min	Max	Q1	Q3
Games Played	All Players	36322.00	130.65	133.00	86	162	112.00	149.00
	National League	19624.00	127.43	129.50	87	162	109.00	148.00
	American League	16698.00	134.66	139.00	86	162	122.00	150.00
At Bats	All Players	124166.00	446.64	454.00	109	696	358.75	552.50
	National League	64059.00	415.97	405.50	109	696	319.25	537.75
	American League	60107.00	484.73	483.00	218	679	406.00	575.75
Runs	All Players	17401.00	62.59	61.00	12	129	45.00	78.00
	National League	8835.00	57.37	52.00	12	129	38.00	76.00
	American League	8566.00	69.08	68.50	27	124	53.00	80.00
Hits	All Players	34098.00	122.65	122.50	24	221	94.00	155.00
	National League	17557.00	114.01	110.50	24	199	81.25	148.75
	American League	16541.00	133.40	126.50	44	221	109.00	163.00
Doubles	All Players	6957.00	25.03	25.00	4	50	18.00	32.00
	National League	3679.00	23.89	23.00	4	50	16.00	31.00
	American League	3278.00	26.44	26.00	5	50	20.75	33.00
Triples	All Players	694.00	2.50	2.00	0	17	1.00	3.00
	National League	367.00	2.38	2.00	0	17	1.00	3.00
	American League	327.00	2.64	2.00	0	15	1.00	4.00
Home Runs	All Players	4033.00	14.51	12.00	0	51	7.00	20.00
	National League	2028.00	13.17	10.00	0	51	5.00	19.00
	American League	2005.00	16.17	15.00	0	48	9.00	22.00

STATE	1	2	3	4	5	6	7	8	9	10	11	12
Arizona	5.99	8.08	11.47	15.63	20.88	25.26	26.93	25.72	23.15	16.92	10.36	5.70
Arkansas	4.43	6.97	11.75	16.59	21.25	25.49	27.63	27.22	23.05	16.79	10.97	5.55
California	9.40	11.11	13.02	15.14	18.19	21.08	23.33	23.03	21.14	17.43	12.64	9.27
Colorado	-2.50	-0.11	4.55	8.89	14.34	19.59	22.51	21.11	16.57	9.71	2.77	-2.33
Connecticut	-2.06	-0.48	3.71	10.04	15.48	20.62	23.54	22.55	18.50	12.23	6.65	0.91
Delaware	0.40	1.85	6.06	11.89	17.13	22.30	24.89	23.79	19.89	13.53	8.11	2.86
Florida	15.29	16.74	18.92	21.59	24.71	26.77	27.48	27.45	26.42	23.47	19.68	16.60



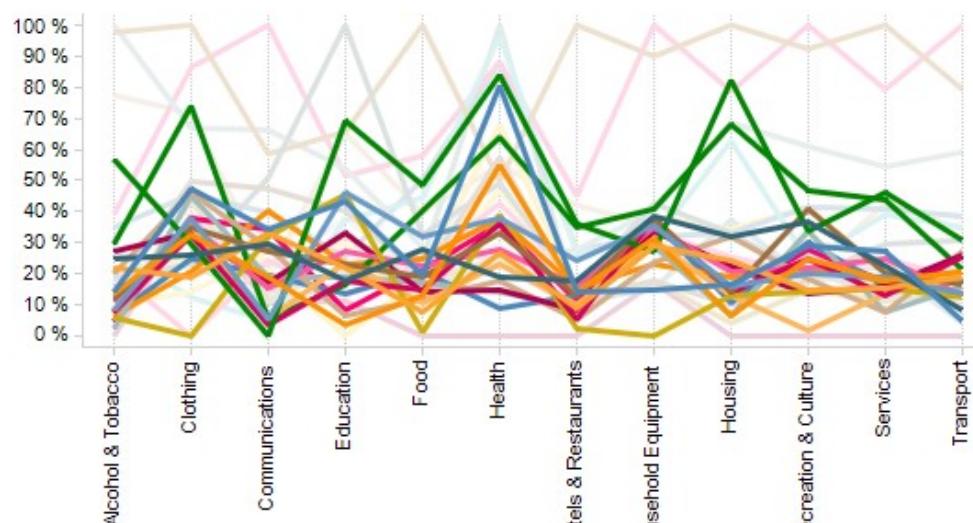




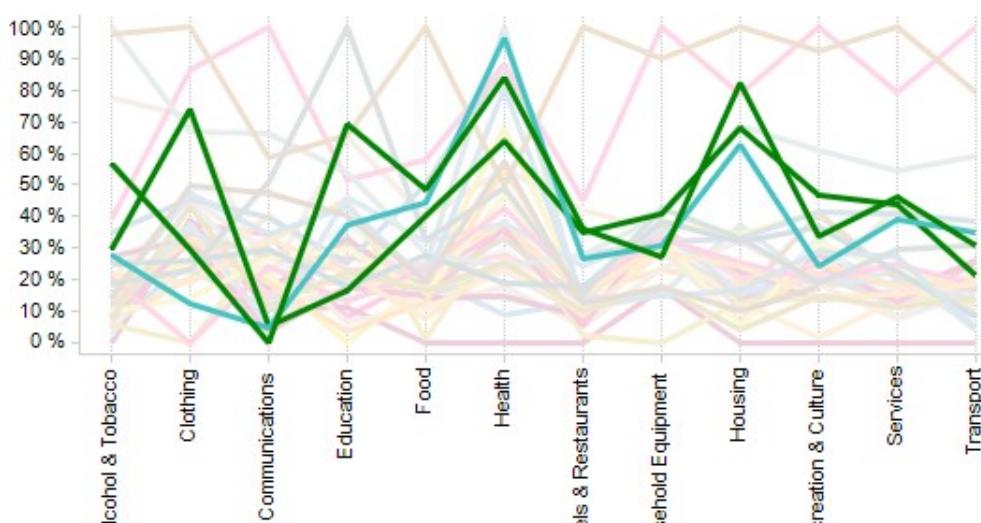


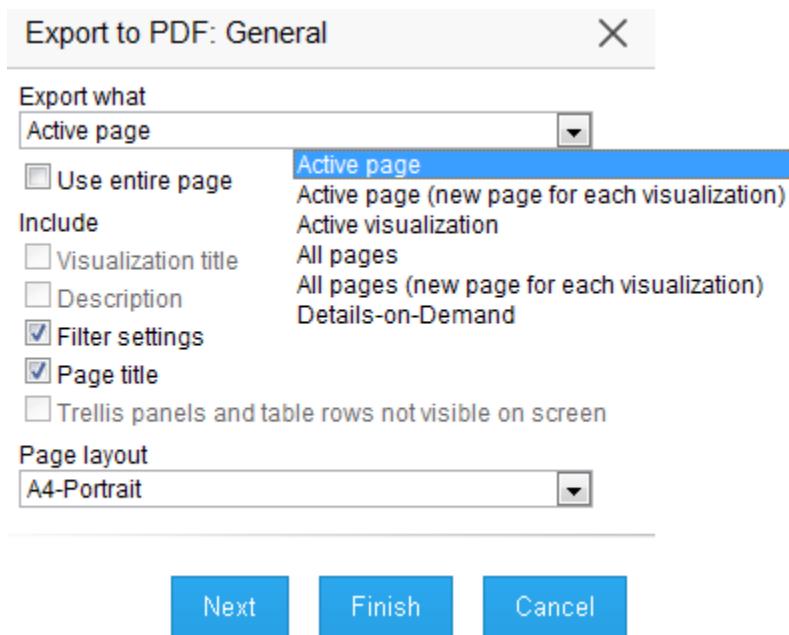
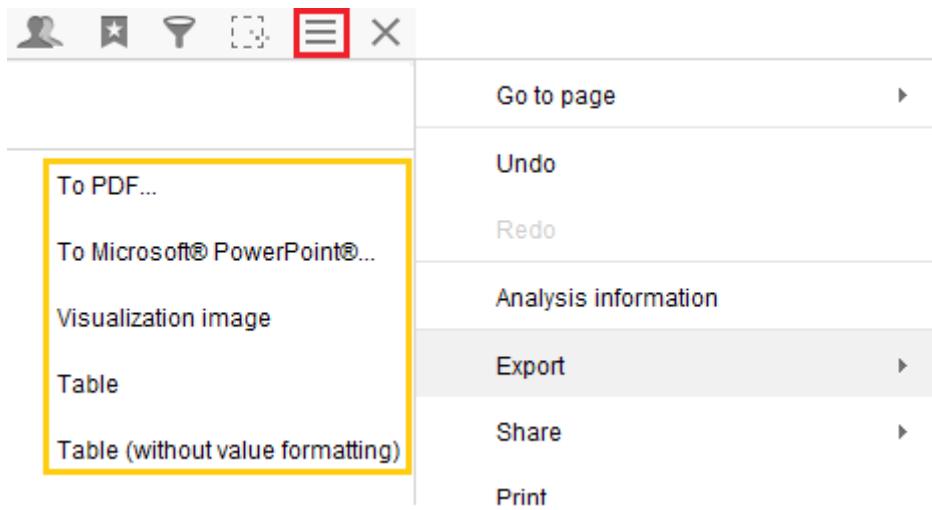


Parallel Coordinate Plot



Parallel Coordinate Plot





Export to Microsoft® PowerPoint®

X

Export what

Active page



Use entire page

Include:

Visualization titles

Description

Filter settings

Page titles

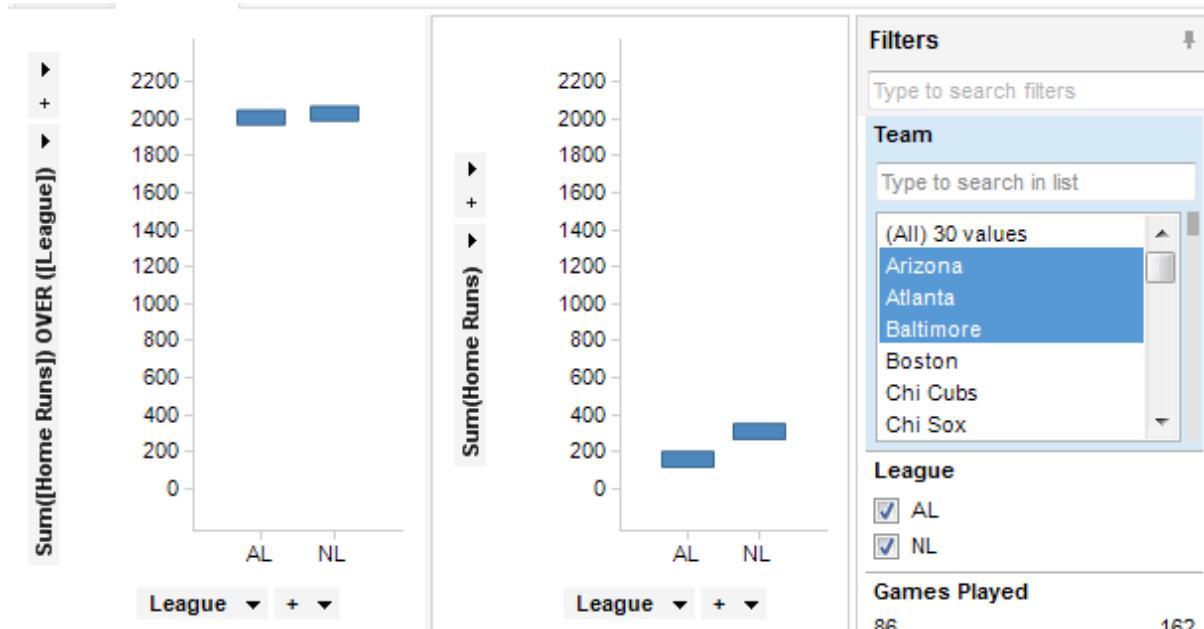
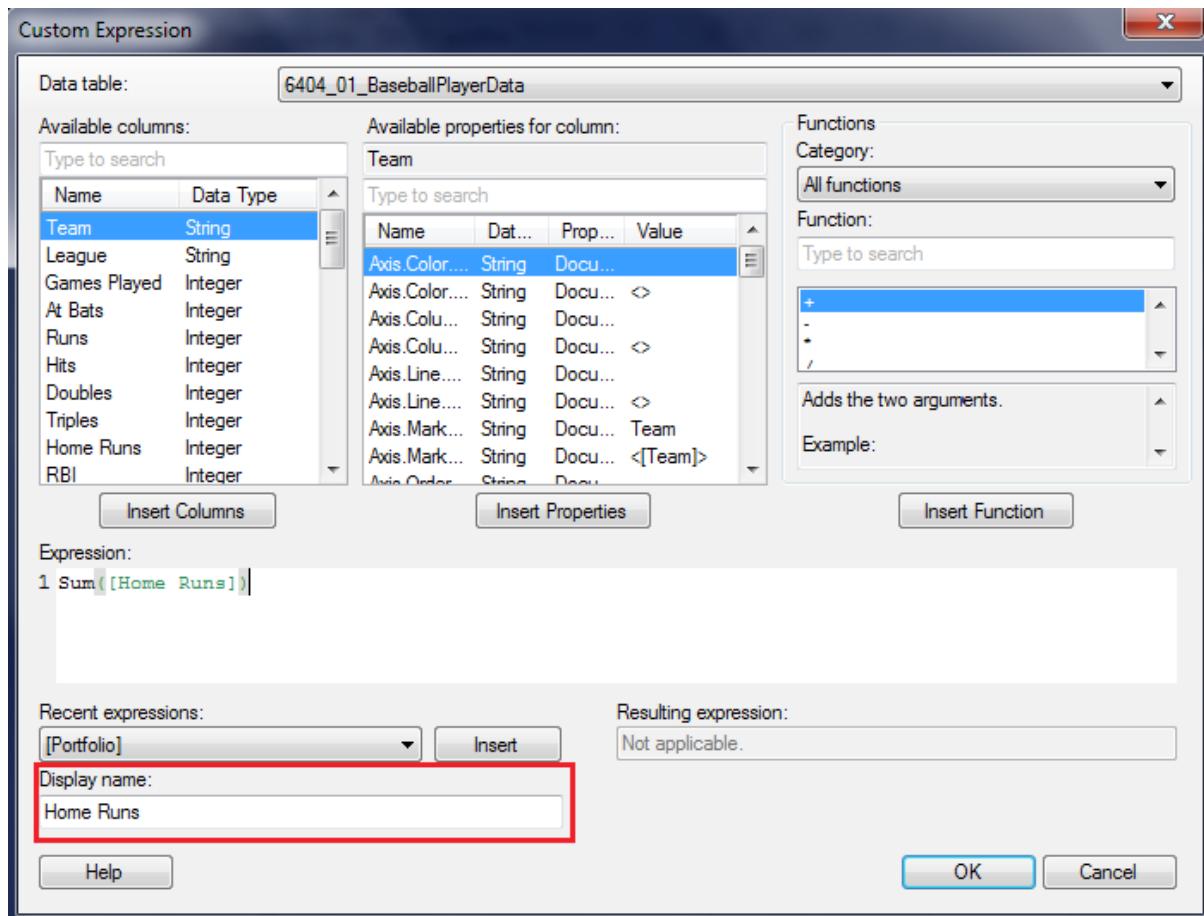
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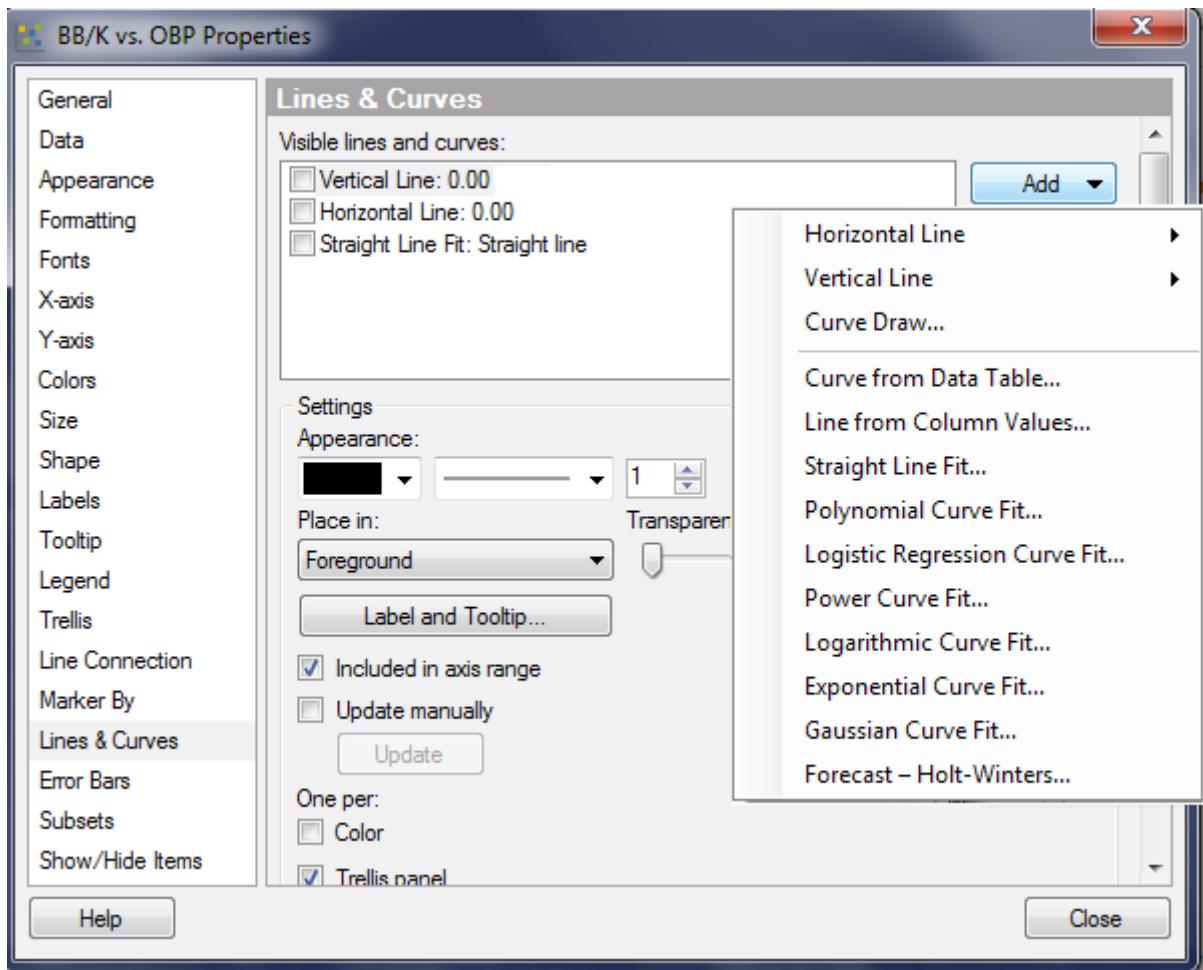
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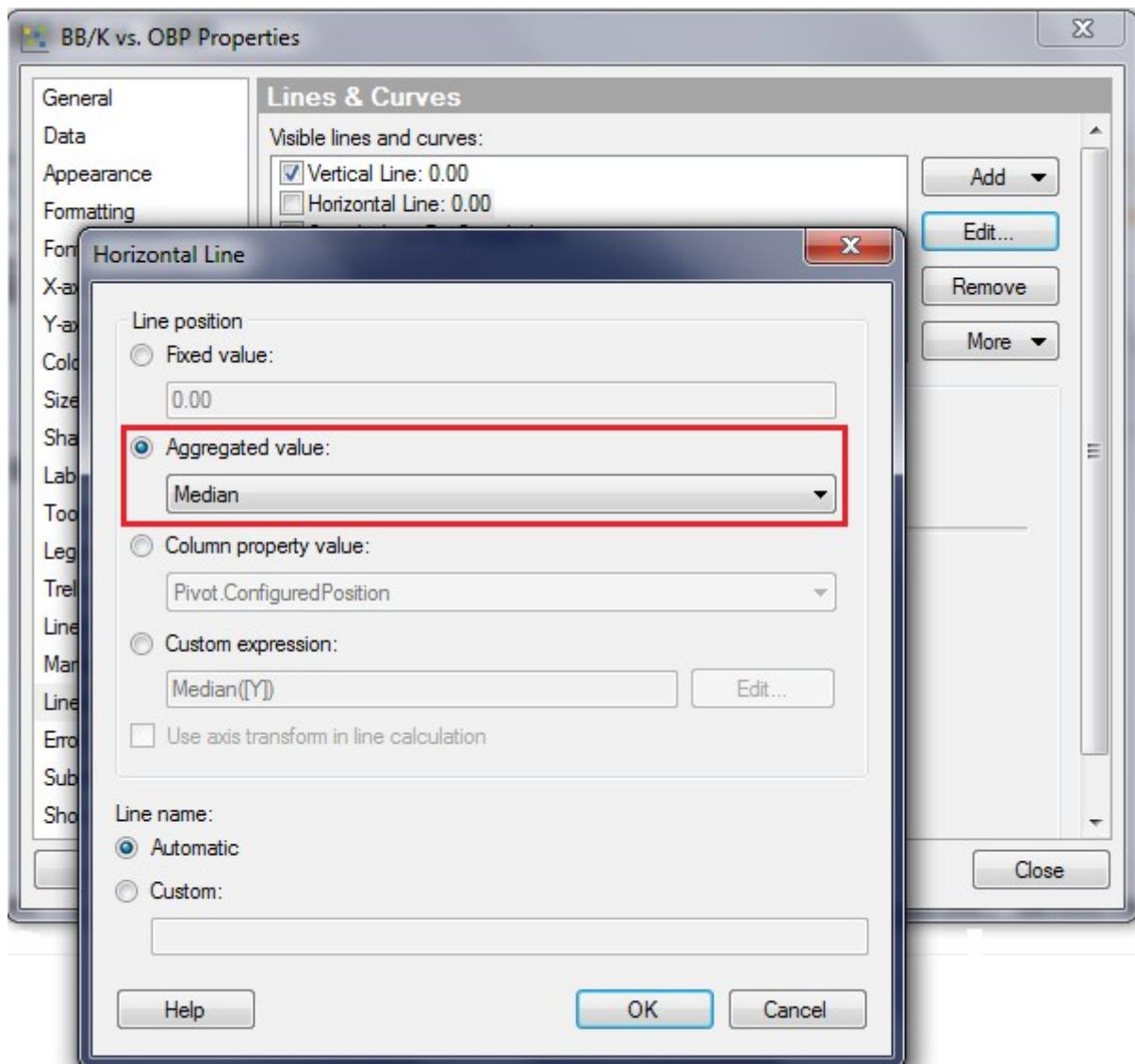
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OK

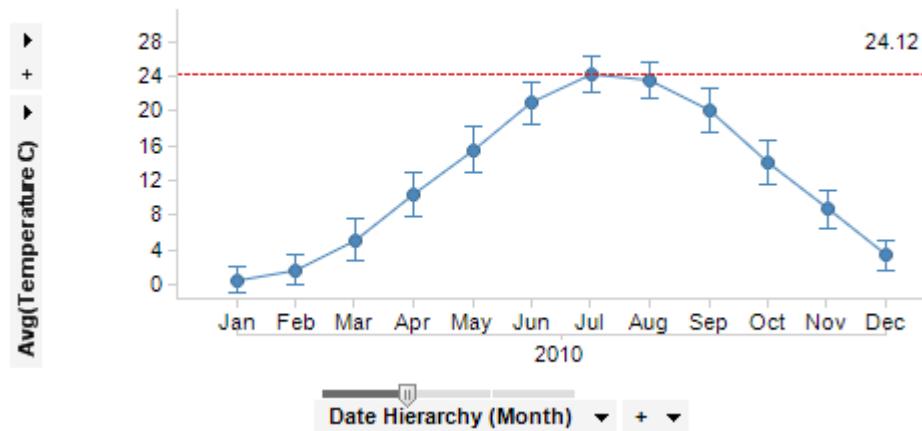
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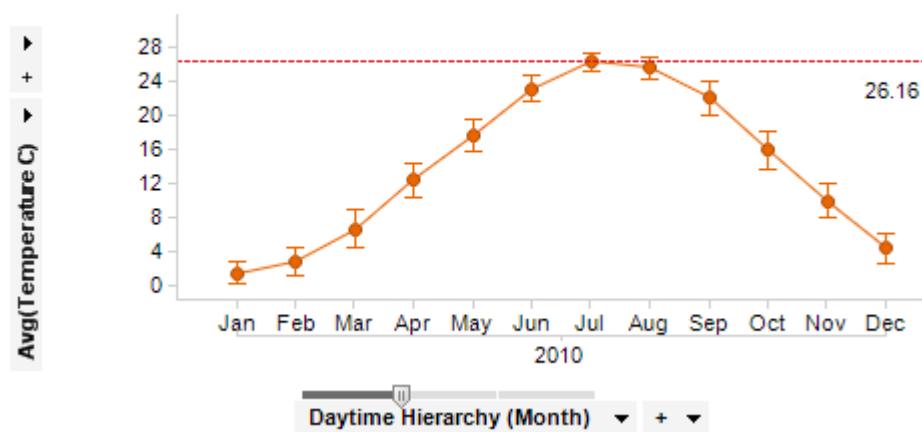


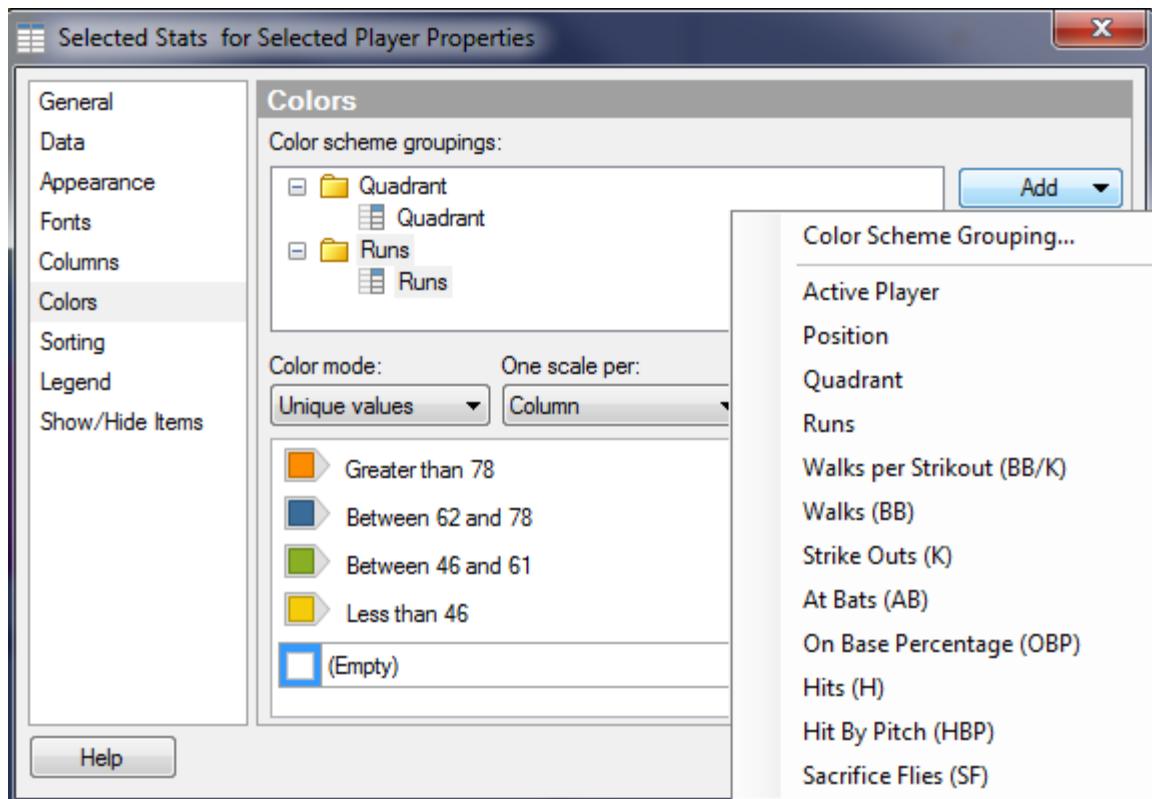
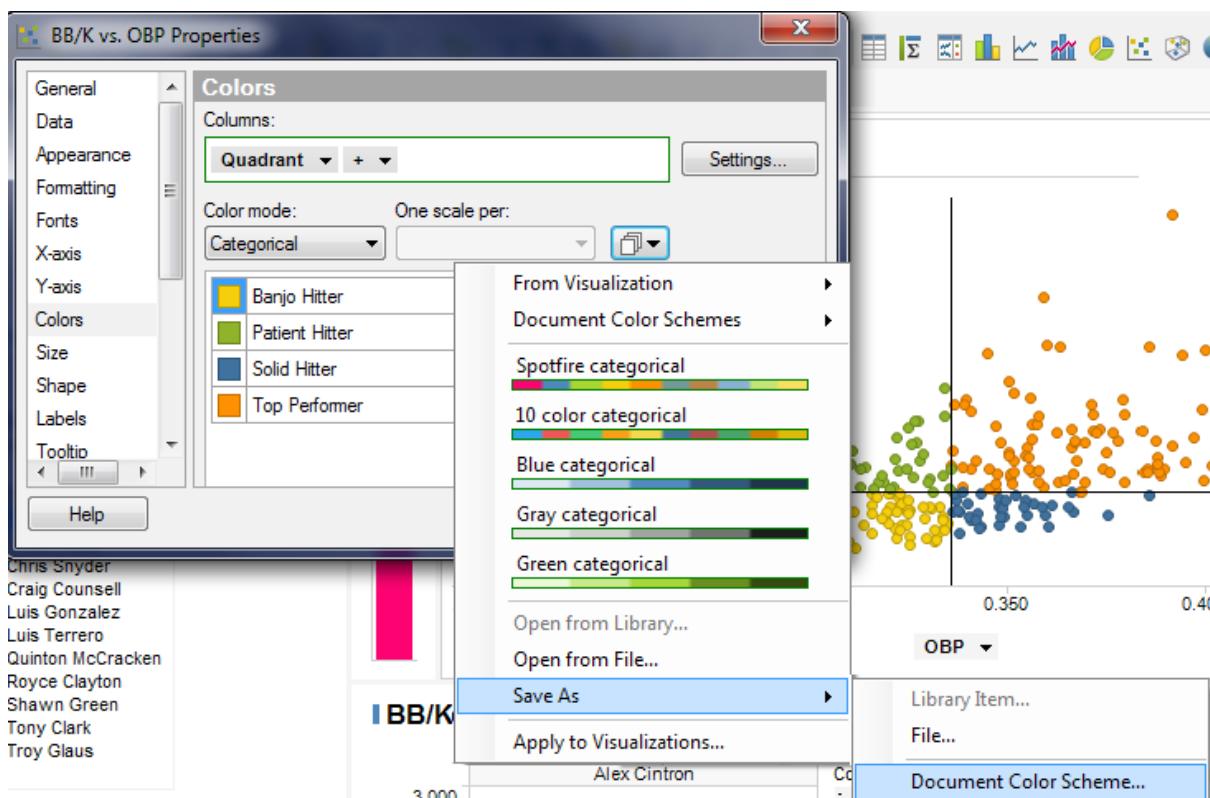


Plot 1

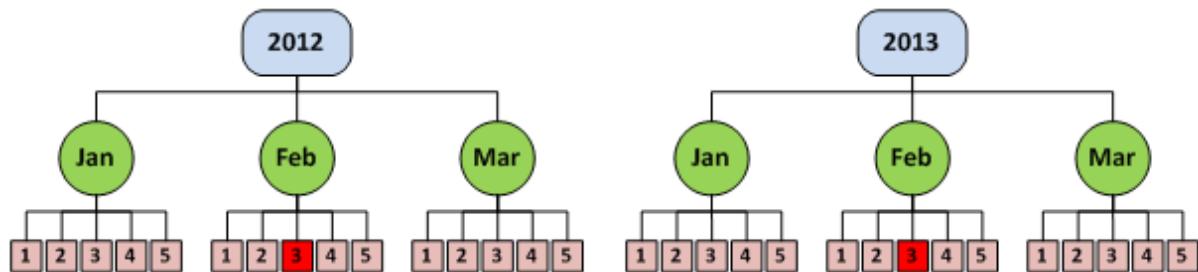


Plot 2

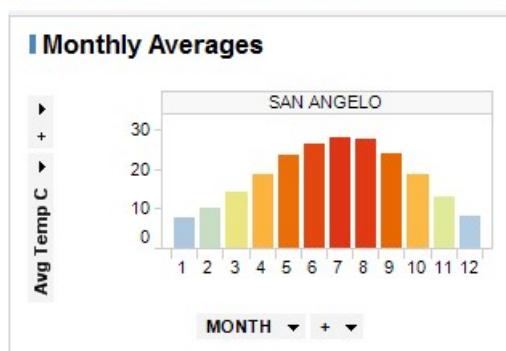
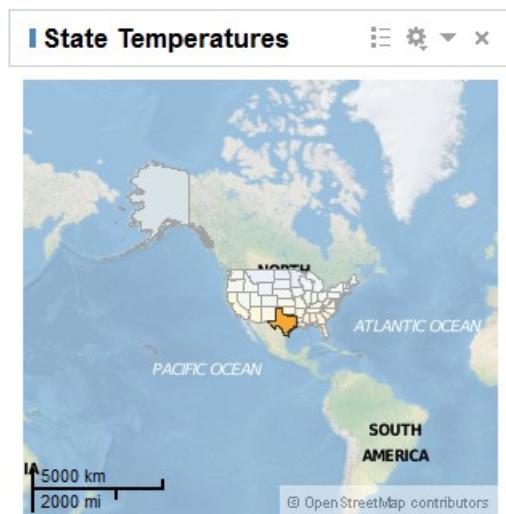




Active Player	Position	Quadrant	Runs
Rafael Palmeiro	1B	Top Performer	47
Brian Roberts	2B	Top Performer	92



Chapter 07



WMS Layer Settings – WMS Layer

General **Map** **Rendering**

Map

URL: http://nowcoast.noaa.gov/wms/com.esri.wms_Esrimap/obs?service=wms&version=1.1.1&request=GetCapabilities

Add >

< Remove

Remove All

Move Forward

Move Backward

Type to search

- Map Background - Canadian Provin
- Map Background - US County Bord
- Map Background - Air Route Traffic
- Map Background - Rivers
- Map Background - Lakes
- Map Background - Watersheds
- Map Background - Coastal Labels
- Cloud Imagery (GOES Infrared)
- Cloud Imagery (GOES Visible)
- Weather Radar Mosaic
- Map Background - Urban Areas Fill
- Map Background - Urban Areas Out
- Map Background - Major Roads
- Map Background - US Interstates
- Map Background - Airport Runway I

Selected sublayers:

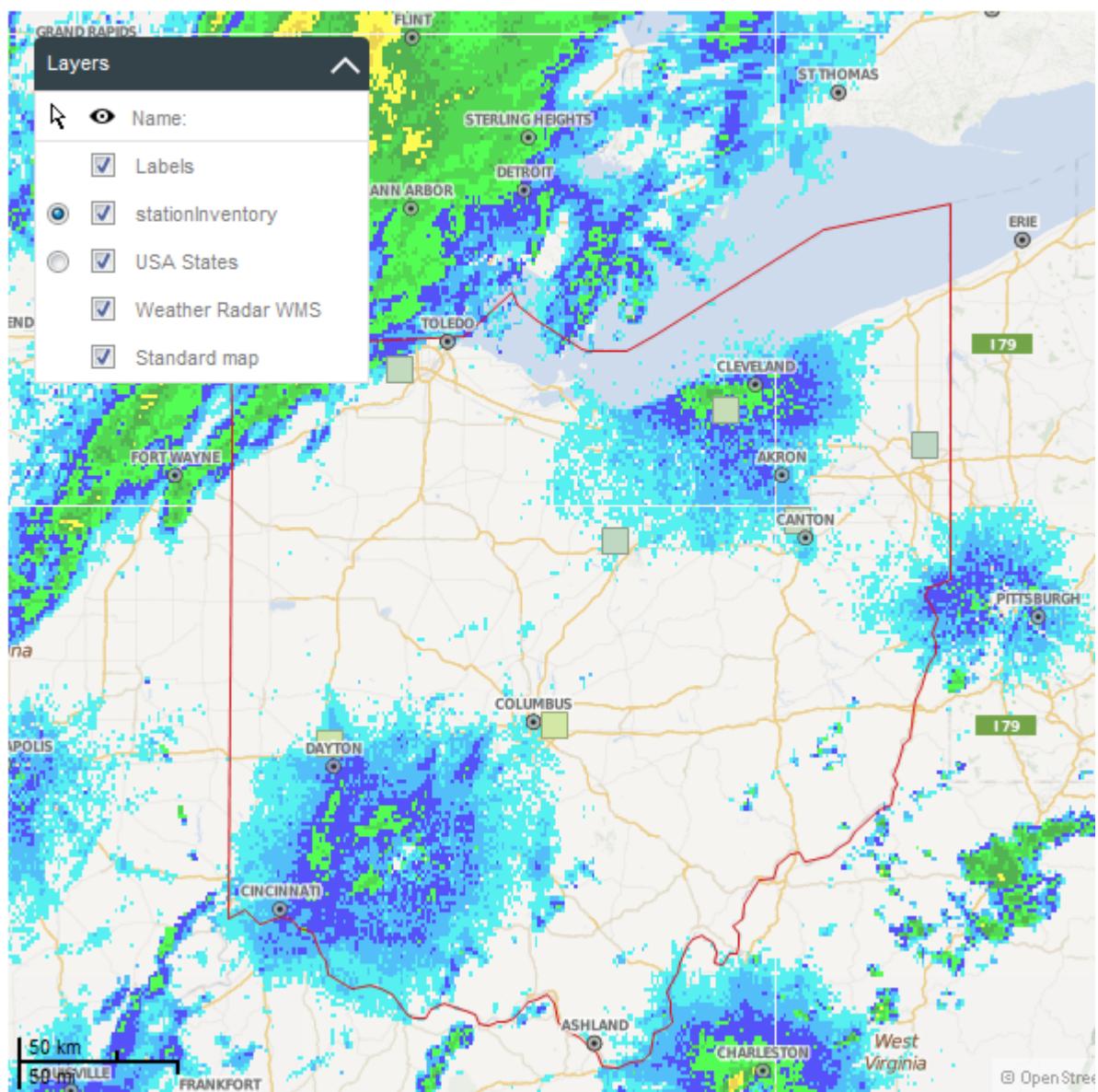
Weather Radar Mosaic

Sublayer style:

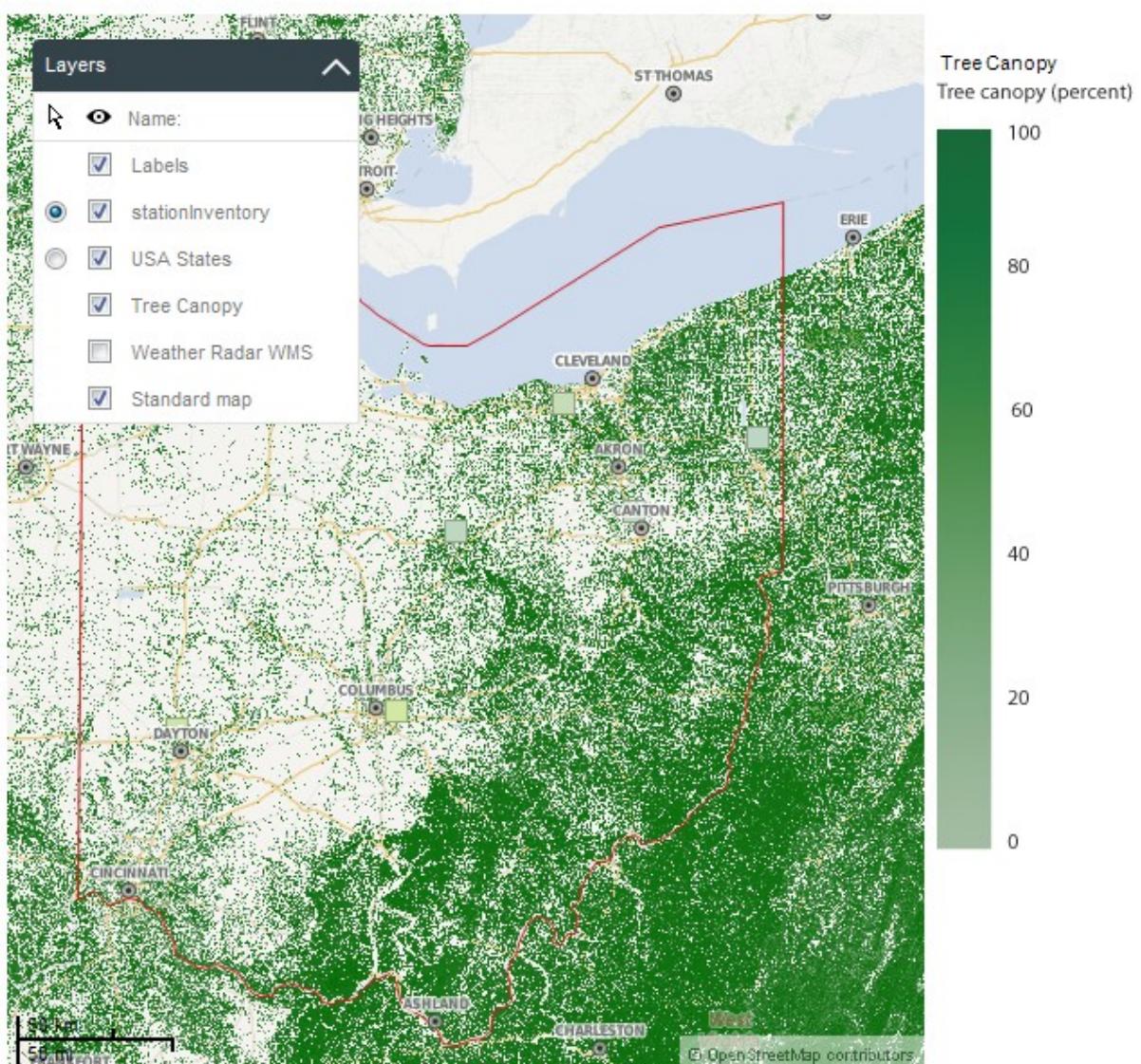
Help

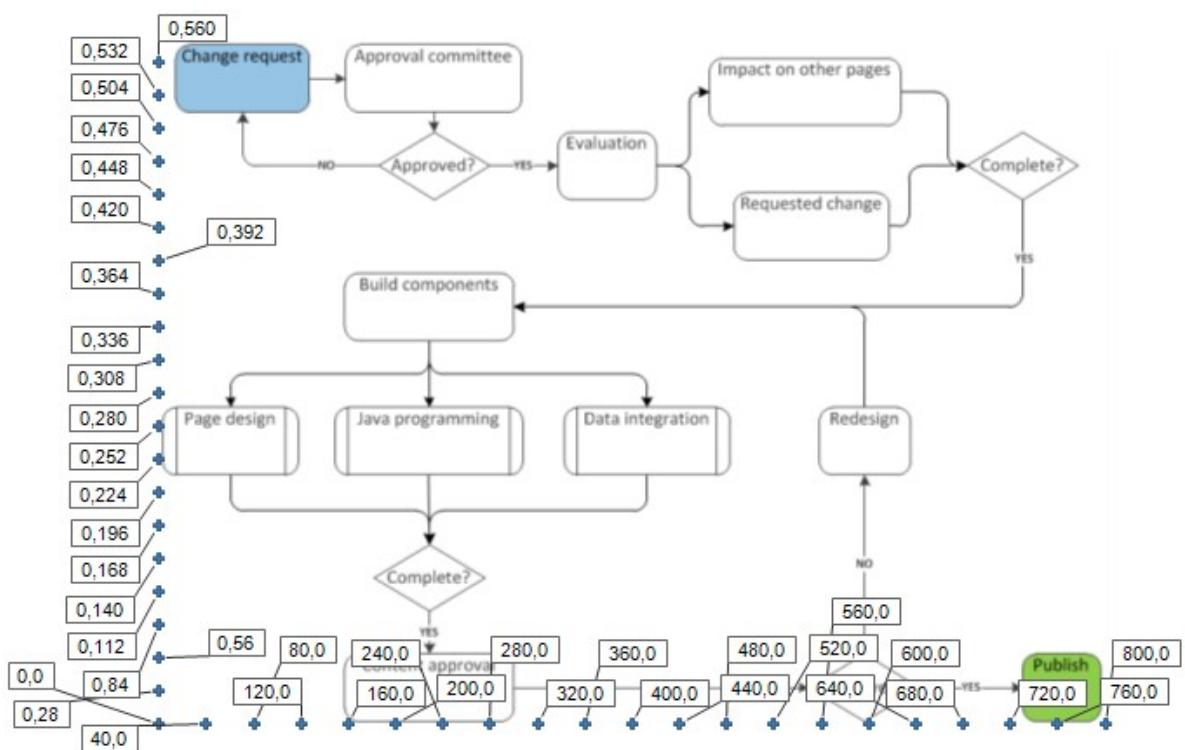
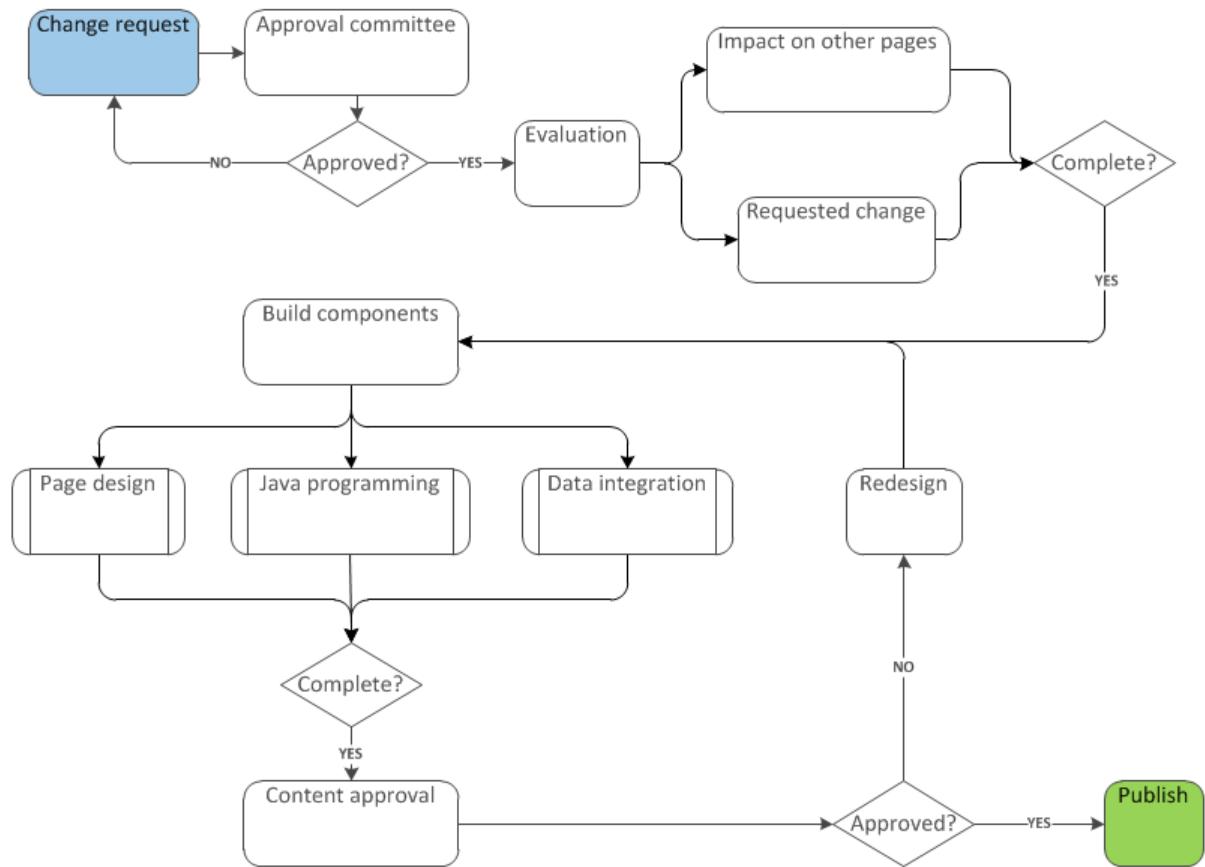
Close

I Detailed View ⚠

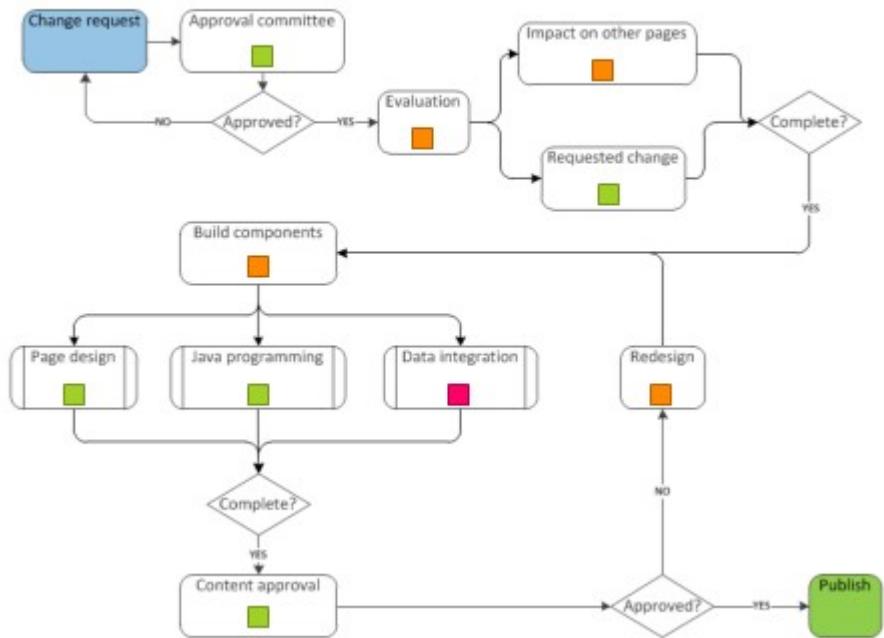


| Detailed View



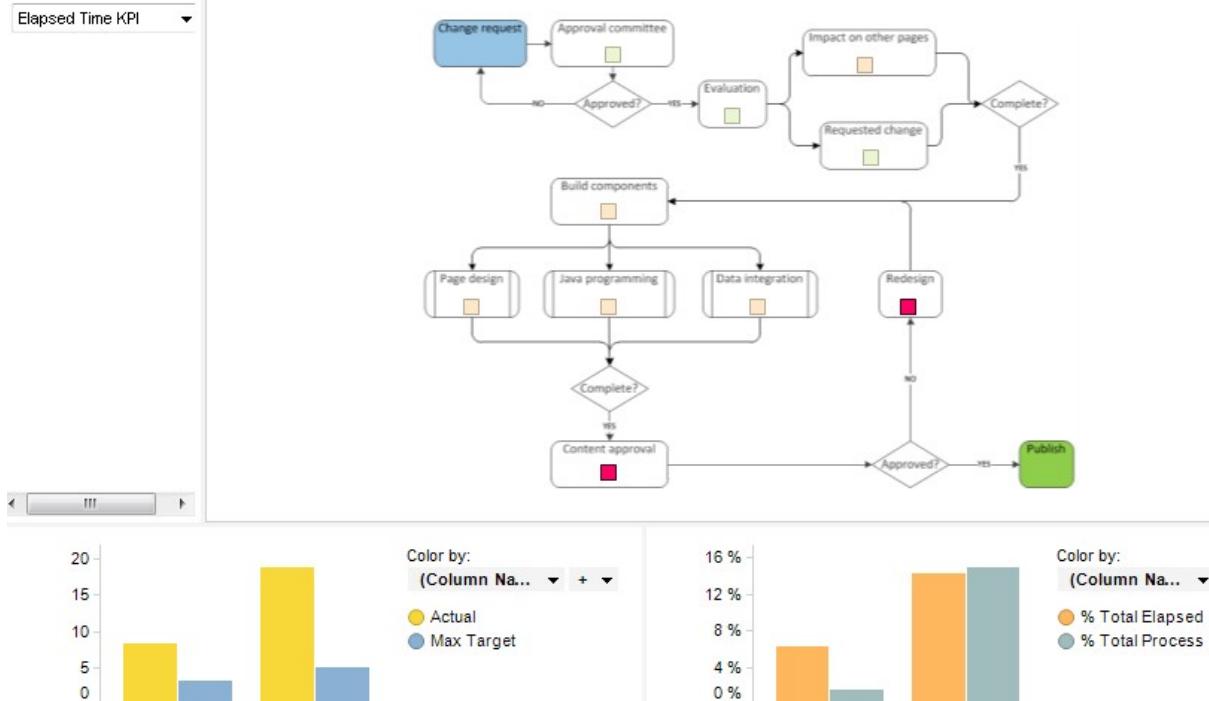


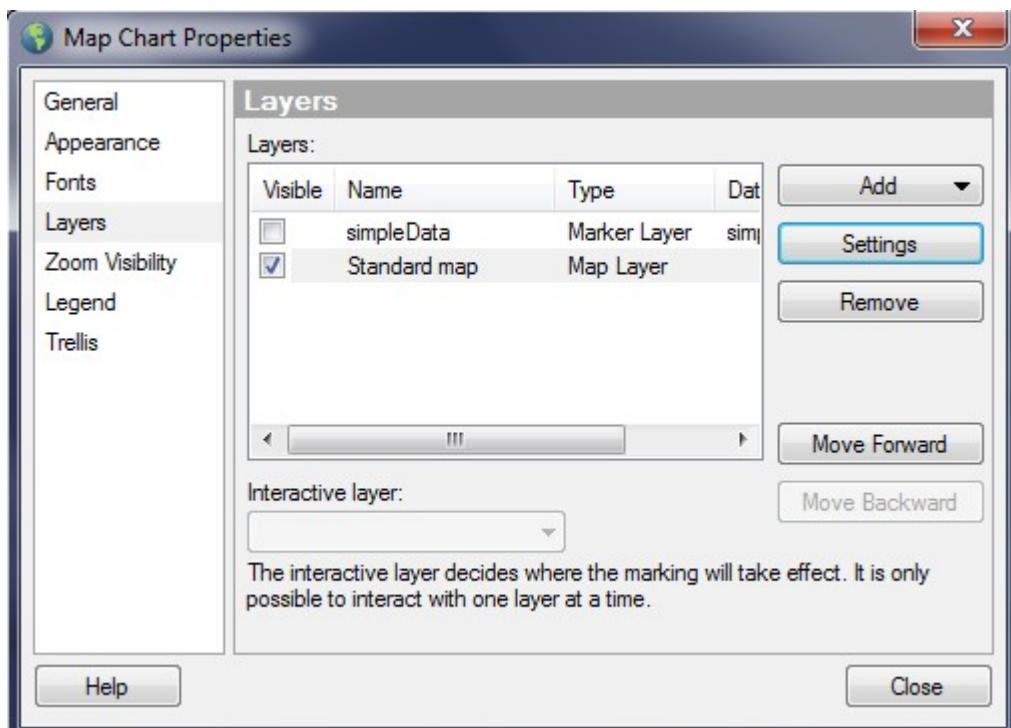
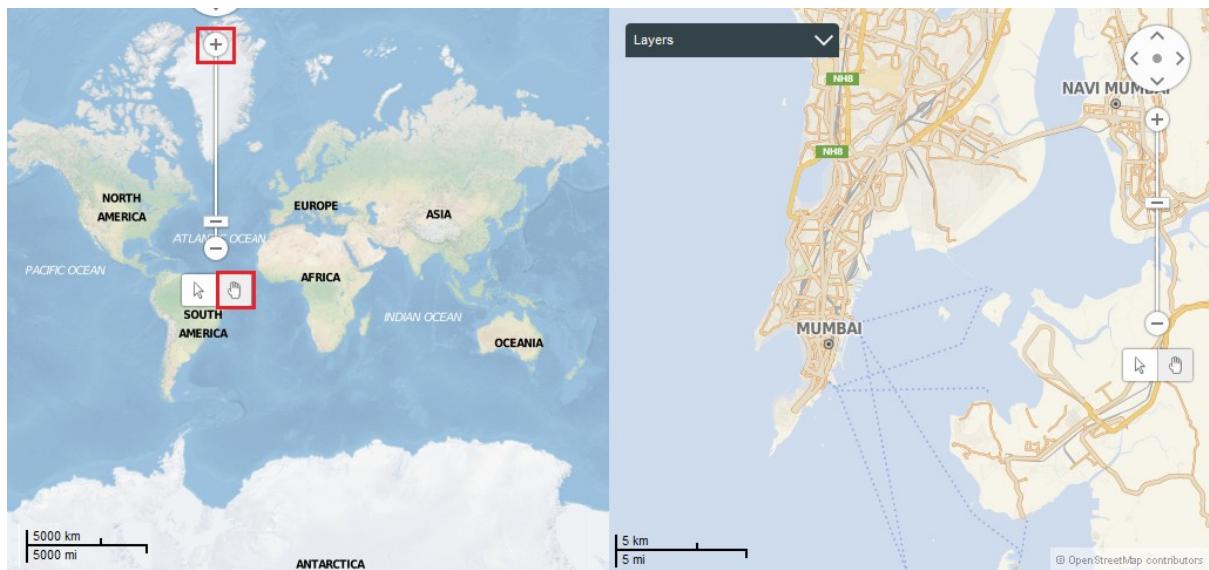
New Web Page Request

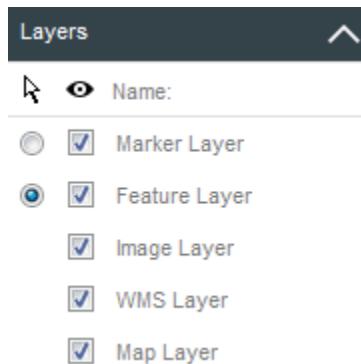
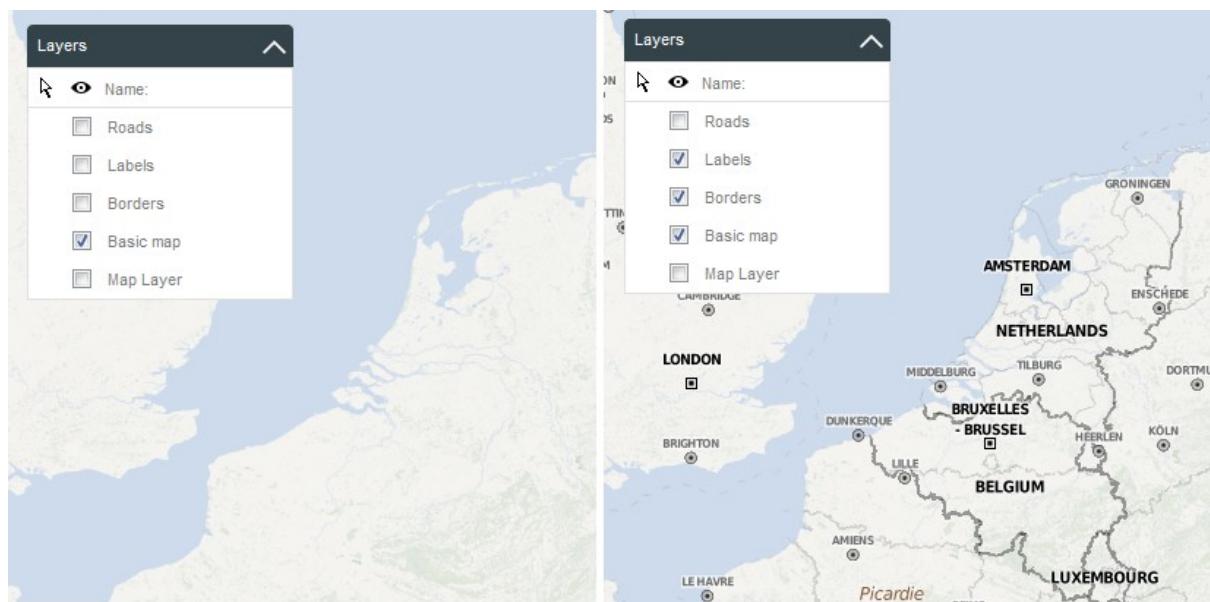
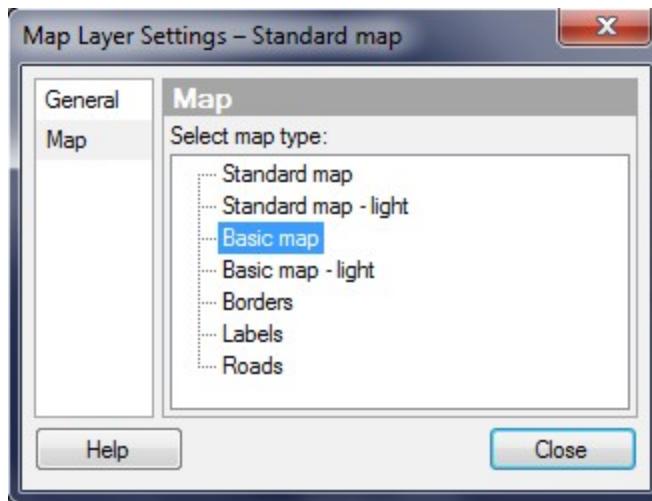


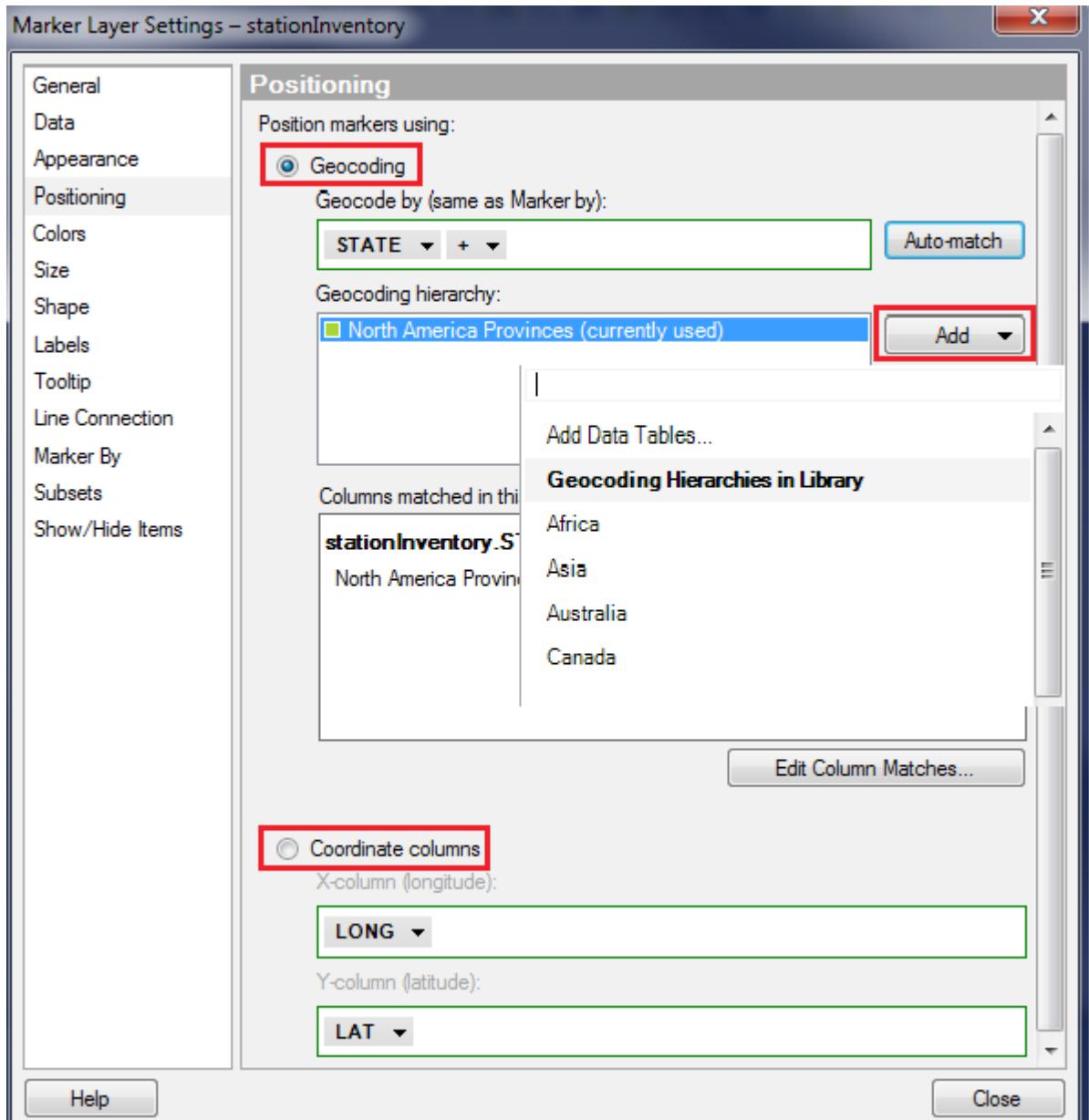
Select Performance Metric

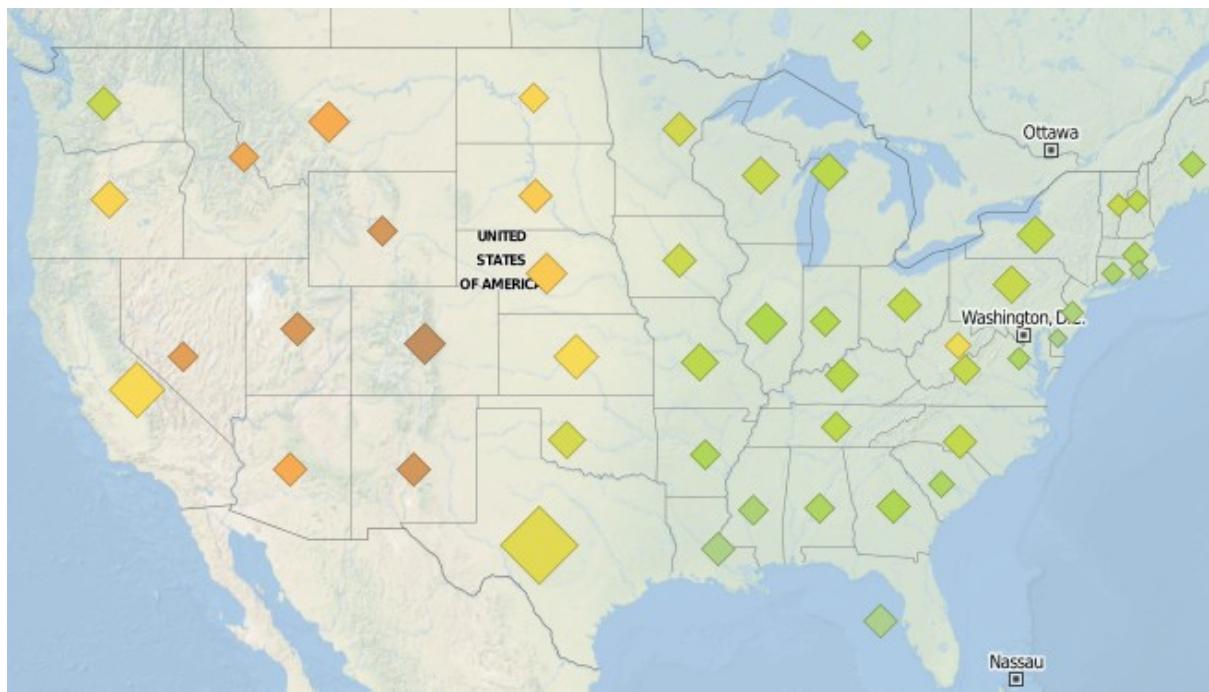
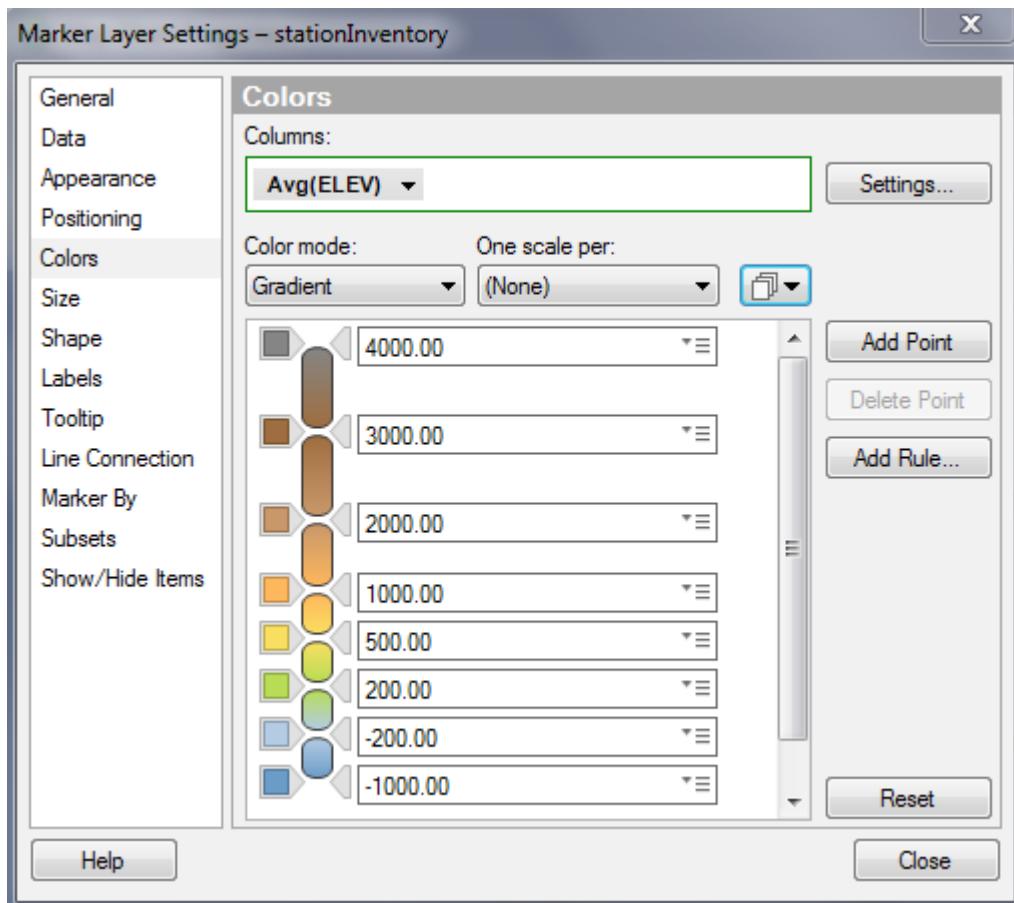
New Web Page Request

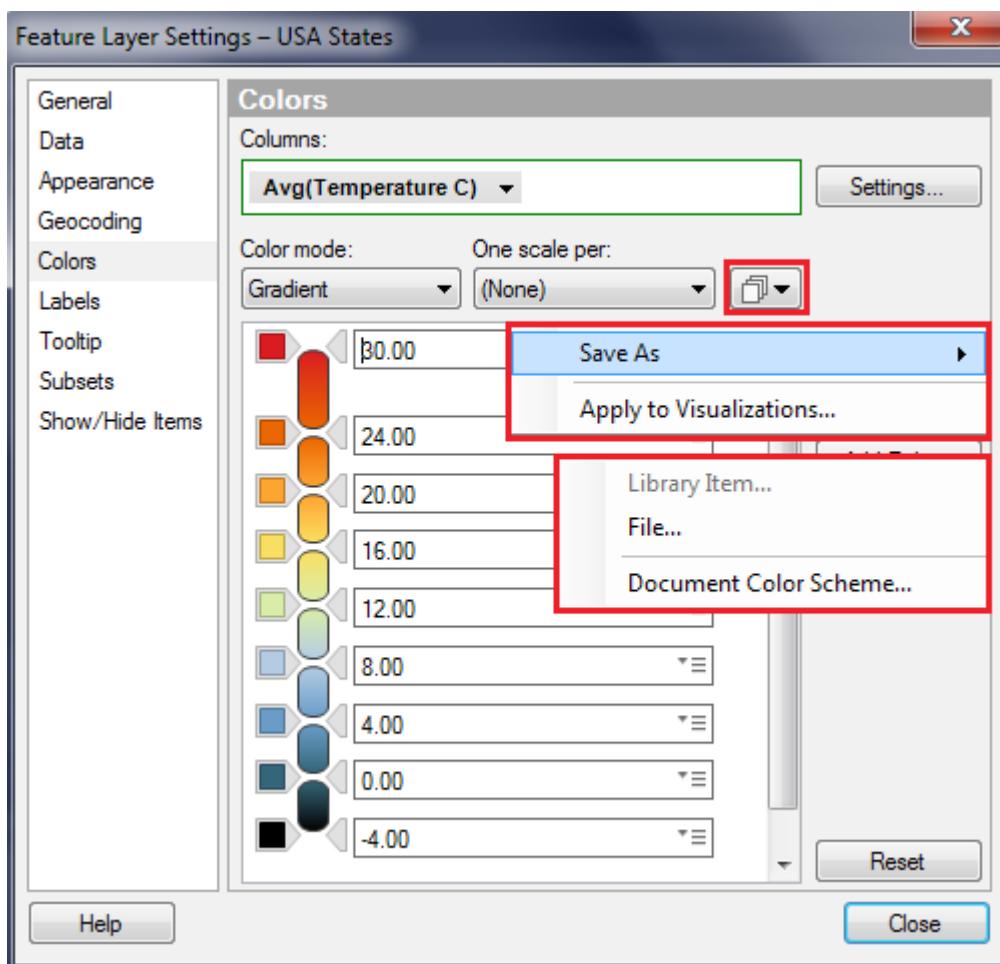
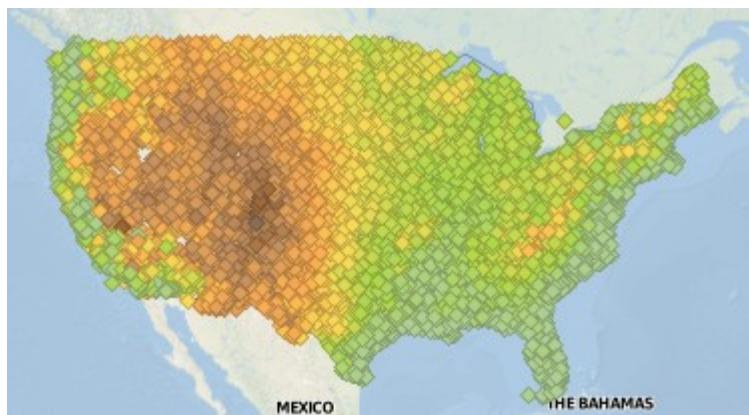


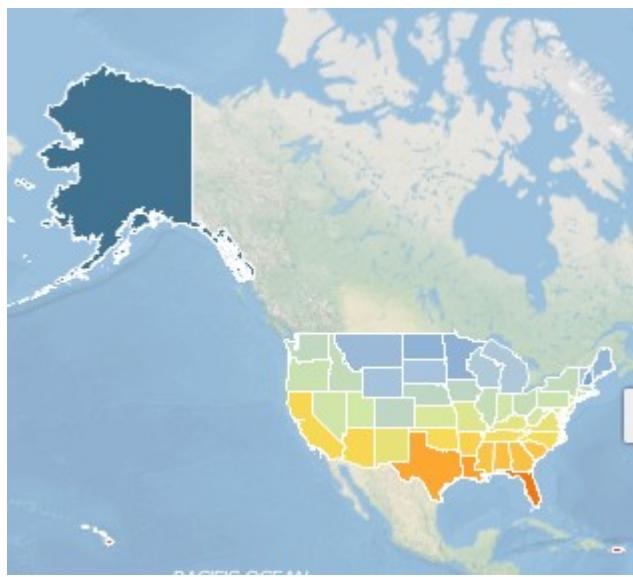












Edit Rule

Column: **Avg(Temperature C)**

Rule type: **Greater than**

Value: **-8.00**

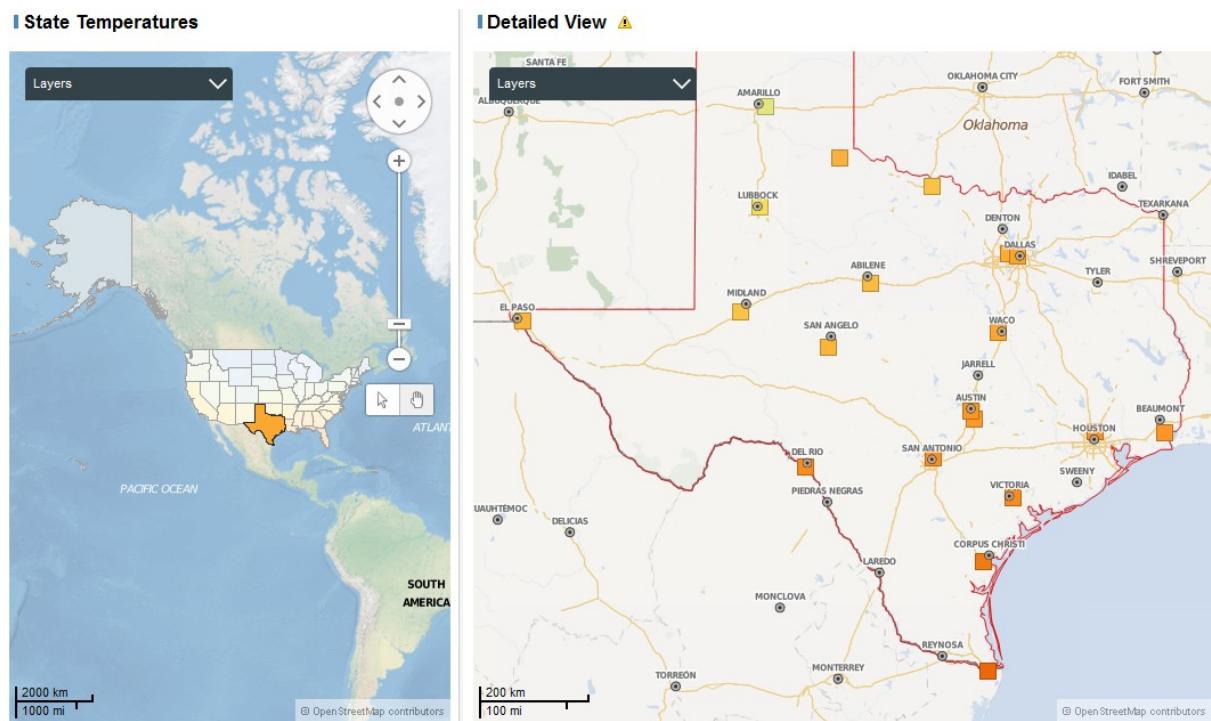
When this rule is matched:

- Show items
- Hide items

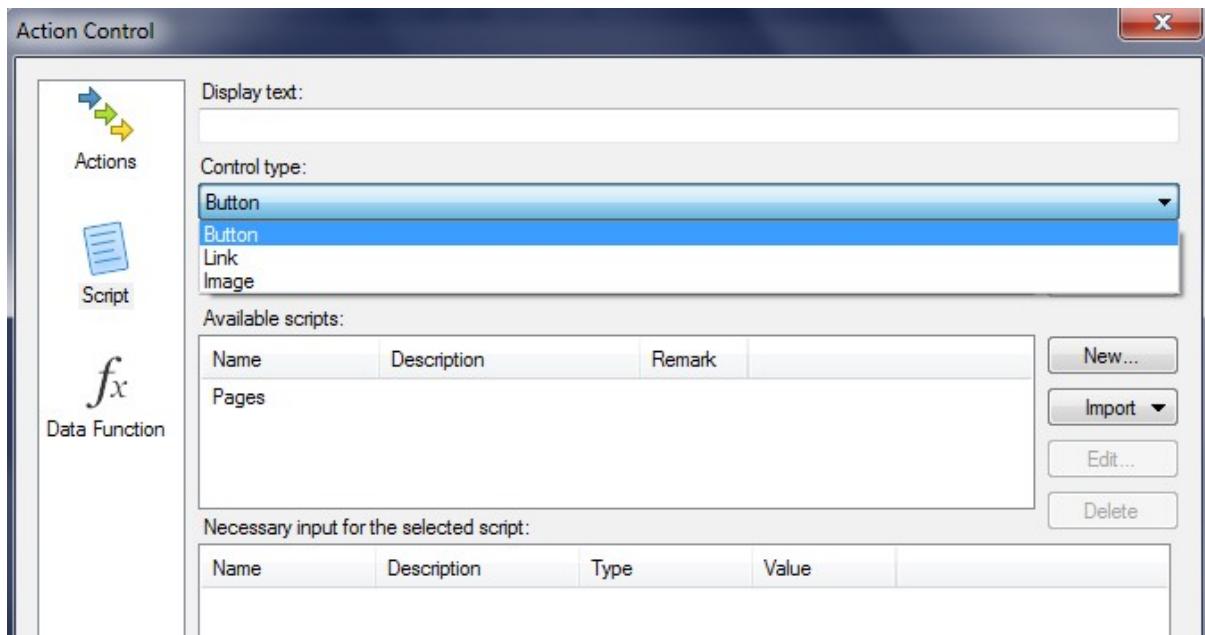
Apply individually for each trellis panel

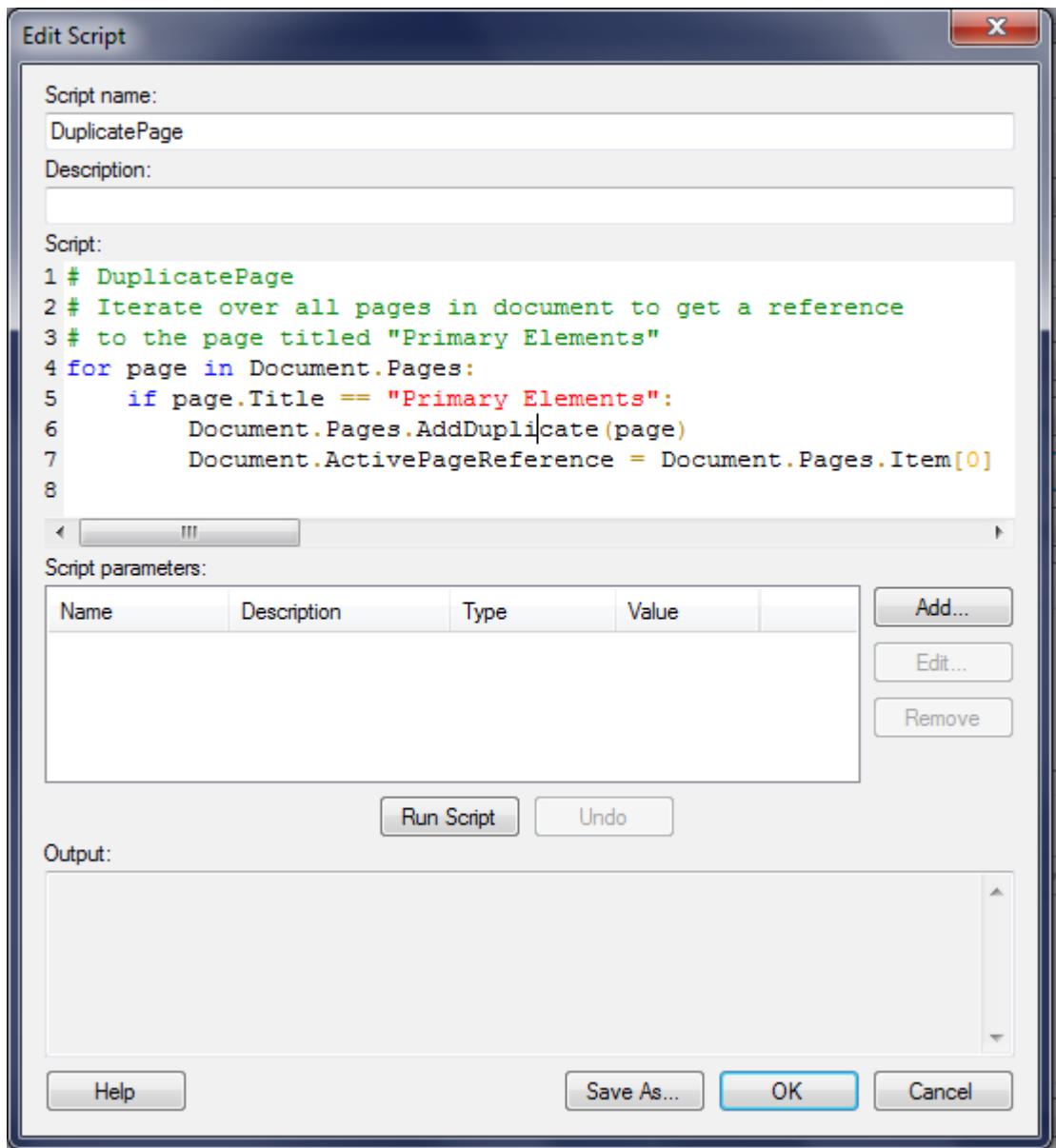
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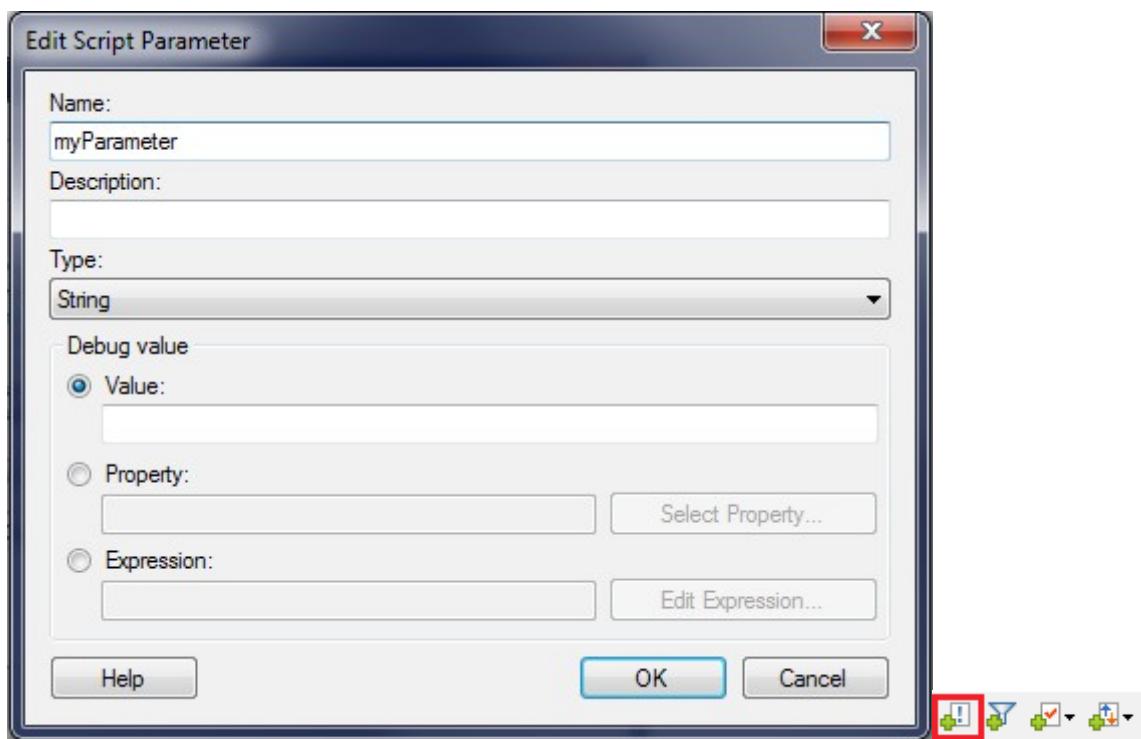
OK **Cancel**



Chapter 08







Chapter 09

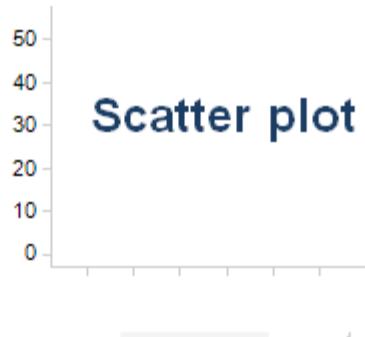
KPI Class

KPI

Detail Level

- Store
- Region**
- Store
- Department

KPI



Scatter plot

KPI Metric

Location

Treemap

Midwest	Northeast
South	West

Details

Configurable columns...

Region	Store Location	Department

KPI Class	KPI Name
Profitability	Margin

KPI Class	KPI Name
Profitability	Margin
Profitability	Discount

KPI Class	KPI Name
Profitability	Margin
Profitability	Discount
Customers	Gender
Customers	Age
Staff	Turnover
Staff	Sick Days
Staff	Overtime

KPI Class

KPI

Detail Level

Department

Region
Store
Department

KPI Class

KPI

Detail Level

Department

KPI Class

KPI

Detail Level

Department



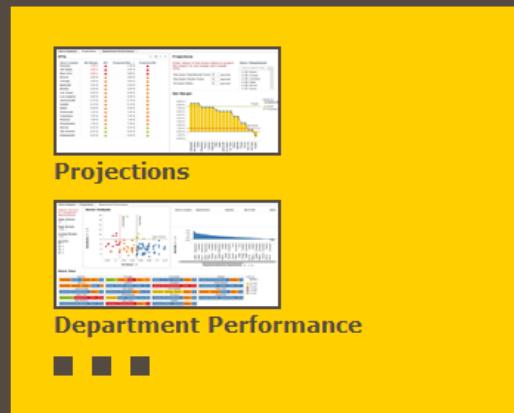
Acme Chain

Store Analysis Suite

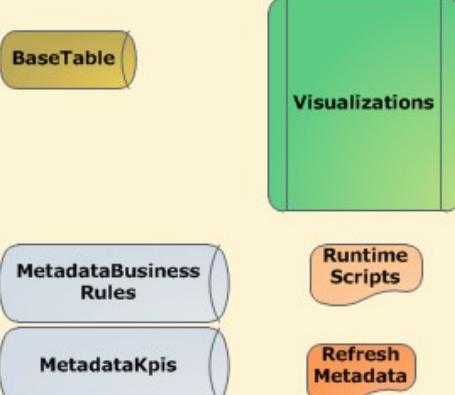
Select an analysis option on the right

Cost Projections shows you current net margin by store and allows you to project the effect of cost changes.

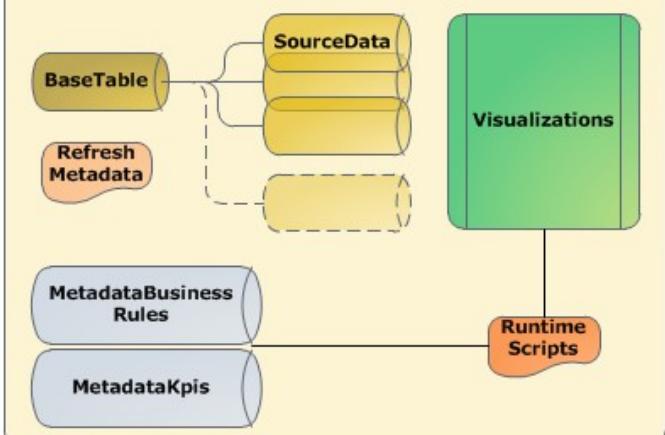
Department Performance allows you to set margin and volume targets to categorize department performance at each store.



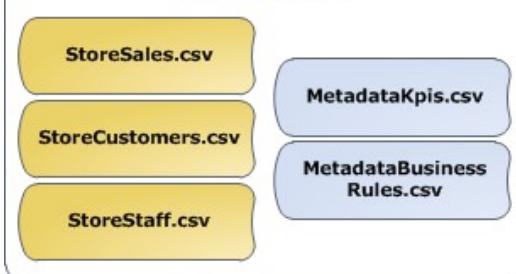
Blank Self-Service Template



Deployed Template



Data Sources

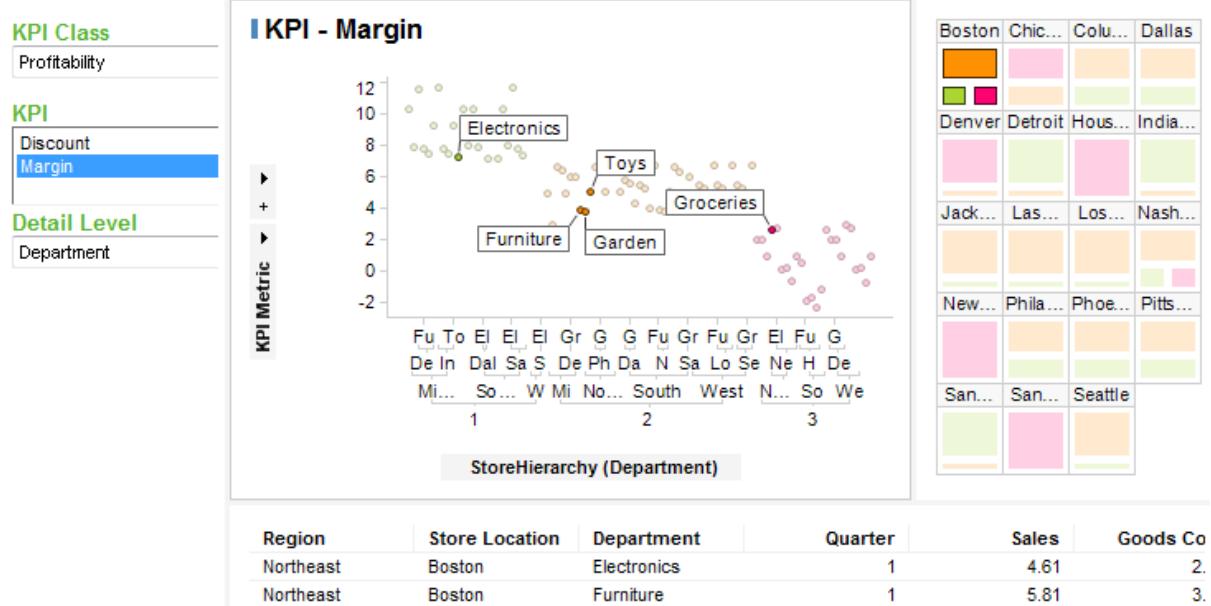


Refresh Metadata

- Updates metadata tables in template from source.
- Adds source data tables specified in metadata.
- Relates all tables through BaseTable.
- Builds calculated columns for metrics and KPIs defined in metadata.

Runtime Scripts

- Update calculated columns and visualizations in response to user selections in conjunction with metadata tables.



Index Projections Department Performance

Acme Chain

■ ■ ■

Store Analysis Suite

Select an analysis option on the right

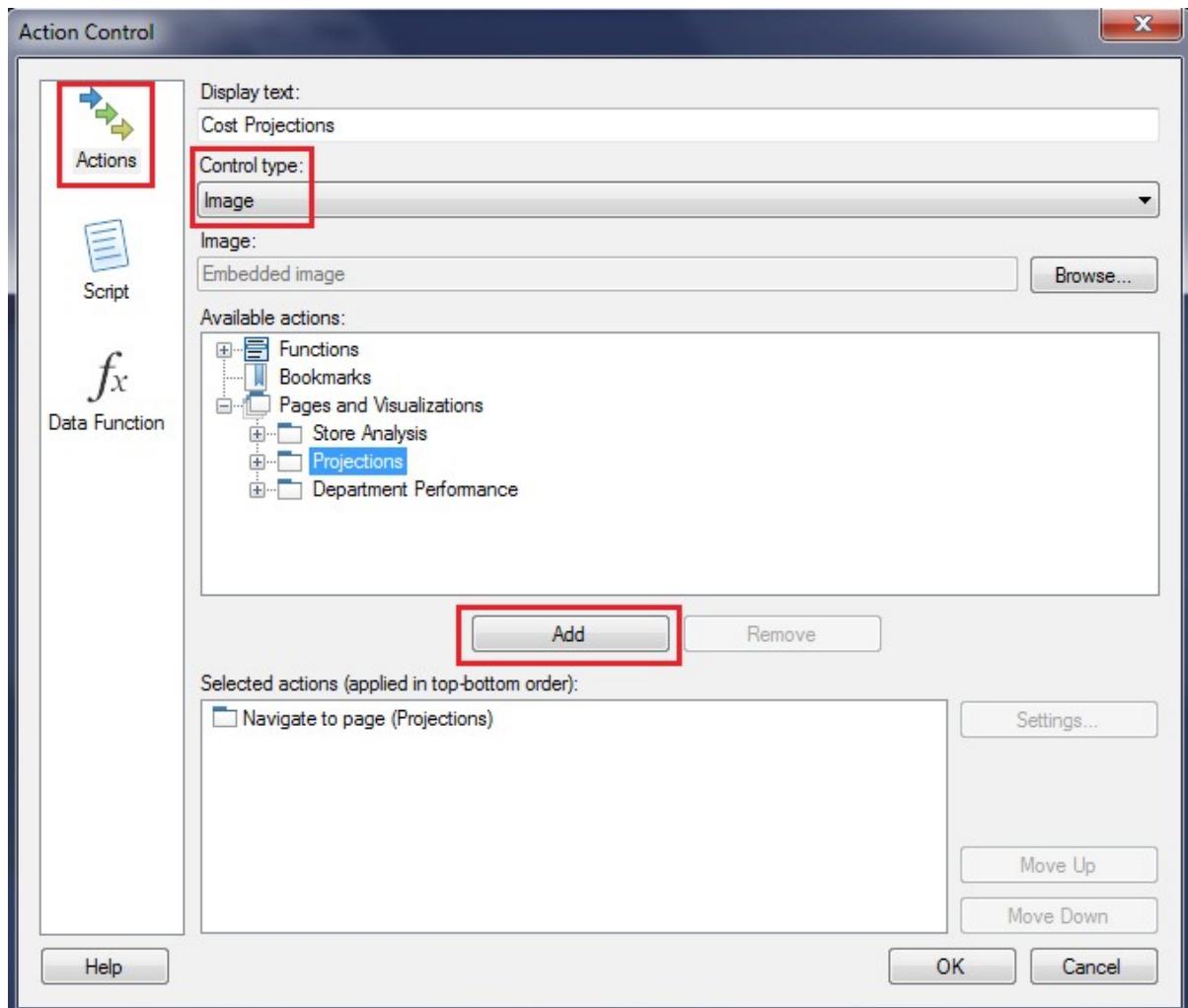
Cost Projections shows you current net margin by store and allows you to project the effect of cost changes.

Department Performance allows you to set margin and volume targets to categorize department performance at each store.

Projections

Department Performance

■ ■ ■



Index **Projections**

Use sliders to project cost changes on KPIs

Percent Operational Costs
 -20 20

Percent Goods Costs
 -20 20

Percent Sales
 -20 20

Filter by Store > Department **Filter by Quarter**

Type to search in list

- Boston
- Chicago
- Columbus
- Dallas
- Denver
- Detroit
- Houston
- Indianapolis
- Jacksonville
- Las Vegas
- Los Angeles
- Nashville
- New York
- Philadelphia
- Phoenix

KPIs

Store Location	Net Margin	KPI	Projected Mar...	Projected KPI
Houston	-1.27 %	◆	-1.27 %	◆
San Diego	0.65 %	◆	0.65 %	◆
New York	0.66 %	◆	0.66 %	◆
Chicago	2.60 %	◆	2.60 %	◆
Denver	2.60 %	◆	2.60 %	◆
Nashville	4.54 %	◆	4.54 %	◆
Boston	4.54 %	◆	4.54 %	◆
Las Vegas	6.08 %	◆	6.08 %	◆
Los Angeles	6.10 %	◆	6.10 %	◆
Seattle	6.10 %	◆	6.10 %	◆

Net Margin

Series by: (□ + ▲)
█ Actual █ Projected
— Target — Minimum

City	Actual Net Margin (%)	Projected Net Margin (%)
San Antonio	8.00	8.00
Indiansapolis	8.00	8.00
Detroit	8.00	8.00
Philadelphia	7.00	7.00
Phoenix	7.00	7.00
Columbus	7.00	7.00
Pittsburgh	7.00	7.00
Dallas	6.00	6.00
Jacksonville	6.00	6.00
Seattle	6.00	6.00
Los Angeles	6.00	6.00
Las Vegas	6.00	6.00
Boston	5.00	5.00
Nashville	4.00	4.00
Denver	3.00	3.00
Chicago	2.00	2.00
New York	1.00	1.00
San Diego	0.00	0.00
Houston	-1.00	-1.00

Return to Index

Index **Projections**

Use sliders to project cost changes on KPIs

Percent Operational Costs
-20 0 20

Percent Goods Costs
-20 0 20

Percent Sales
-20 0 20

Filter by Store > Department **Filter by Quarter**

Type to search in list

- 1
- 2
- 3
- 4

KPIs

Store Location	Net Margin	KPI	Projected Mar...	Projected KPI
Houston	-1.27 %	◆	-0.42 %	◆
San Diego	0.65 %	◆	1.47 %	◆
New York	0.66 %	◆	1.47 %	◆
Denver	2.60 %	◆	3.38 %	◆
Chicago	2.60 %	◆	3.38 %	◆
Nashville	4.54 %	◆	5.27 %	◆
Boston	4.54 %	◆	5.28 %	◆
Las Vegas	6.08 %	◆	6.79 %	◆
Los Angeles	6.10 %	◆	6.81 %	◆
Seattle	6.10 %	◆	6.81 %	◆

Net Margin

Series by: ()

Target: 8.00%

Minimum: -2.00%

Cities: San Antonio, Indianapolis, Detroit, Philadelphia, Phoenix, Columbus, Pittsburgh, Dallas, Jacksonville, Seattle, Los Angeles, Las Vegas, Boston, Nashville, Denver, Chicago, New York, San Diego, Houston

Return to Index

Index **Projections** **Department Performance**

Use sliders to adjust performance sectors

High Volume Mark 8.00 12.00

High Margin Mark 0.05 0.10

Losing Margin Mark 0.01 -0.02 0.03

Filter by Store > Department **Filter by Quarter**

Type to search in list

- 1
- 2
- 3
- 4

Sector Analysis

Sales/Quarter (m\$)

Net Margin

Profitability

Store Location	Department	Quarter	Net Profit	Sales	Net Margin
Boston	Ele	Q1	3	100	10.00%
Boston	Fur	Q1	2	90	9.00%
Boston	Gro	Q1	1	80	8.00%
Boston	Toy	Q1	0	70	7.00%
Chicago	Ele	Q1	2	90	9.00%
Chicago	Fur	Q1	1	80	8.00%
Chicago	Gro	Q1	0	70	7.00%
Chicago	Toy	Q1	0	60	6.00%
Columbus	Ele	Q1	1	70	7.00%
Columbus	Fur	Q1	0	60	6.00%
Columbus	Gro	Q1	0	50	5.00%
Columbus	Toy	Q1	0	40	4.00%
Dallas	Ele	Q1	0	60	6.00%
Dallas	Fur	Q1	0	50	5.00%
Dallas	Gro	Q1	0	40	4.00%
Dallas	Toy	Q1	0	30	3.00%
Denver	Ele	Q1	0	50	5.00%
Denver	Fur	Q1	0	40	4.00%
Denver	Gro	Q1	0	30	3.00%
Denver	Toy	Q1	0	20	2.00%
Detroit	Ele	Q1	0	40	4.00%
Detroit	Fur	Q1	0	30	3.00%
Detroit	Gro	Q1	0	20	2.00%
Detroit	Toy	Q1	0	10	1.00%
Houston	Ele	Q1	0	30	3.00%
Houston	Fur	Q1	0	20	2.00%
Houston	Gro	Q1	0	10	1.00%
Houston	Toy	Q1	0	0	0.00%
Indianapolis	Ele	Q1	0	20	2.00%
Indianapolis	Fur	Q1	0	10	1.00%
Indianapolis	Gro	Q1	0	0	0.00%
Indianapolis	Toy	Q1	0	0	0.00%
Jacksonville	Ele	Q1	0	10	1.00%
Jacksonville	Fur	Q1	0	0	0.00%
Jacksonville	Gro	Q1	0	0	0.00%
Jacksonville	Toy	Q1	0	0	0.00%
Las Vegas	Ele	Q1	0	0	0.00%
Las Vegas	Fur	Q1	0	0	0.00%
Las Vegas	Gro	Q1	0	0	0.00%
Las Vegas	Toy	Q1	0	0	0.00%
Los Angeles	Ele	Q1	0	0	0.00%
Los Angeles	Fur	Q1	0	0	0.00%
Los Angeles	Gro	Q1	0	0	0.00%
Los Angeles	Toy	Q1	0	0	0.00%
New York	Ele	Q1	0	0	0.00%
New York	Fur	Q1	0	0	0.00%
New York	Gro	Q1	0	0	0.00%
New York	Toy	Q1	0	0	0.00%
Philadelphia	Ele	Q1	0	0	0.00%
Philadelphia	Fur	Q1	0	0	0.00%
Philadelphia	Gro	Q1	0	0	0.00%
Philadelphia	Toy	Q1	0	0	0.00%
Phoenix	Ele	Q1	0	0	0.00%
Phoenix	Fur	Q1	0	0	0.00%
Phoenix	Gro	Q1	0	0	0.00%
Phoenix	Toy	Q1	0	0	0.00%
Pittsburgh	Ele	Q1	0	0	0.00%
Pittsburgh	Fur	Q1	0	0	0.00%
Pittsburgh	Gro	Q1	0	0	0.00%
Pittsburgh	Toy	Q1	0	0	0.00%
Seattle	Ele	Q1	0	0	0.00%
Seattle	Fur	Q1	0	0	0.00%
Seattle	Gro	Q1	0	0	0.00%
Seattle	Toy	Q1	0	0	0.00%
San Antonio	Ele	Q1	0	0	0.00%
San Antonio	Fur	Q1	0	0	0.00%
San Antonio	Gro	Q1	0	0	0.00%
San Antonio	Toy	Q1	0	0	0.00%
San Diego	Ele	Q1	0	0	0.00%
San Diego	Fur	Q1	0	0	0.00%
San Diego	Gro	Q1	0	0	0.00%
San Diego	Toy	Q1	0	0	0.00%

Color by:

Sector

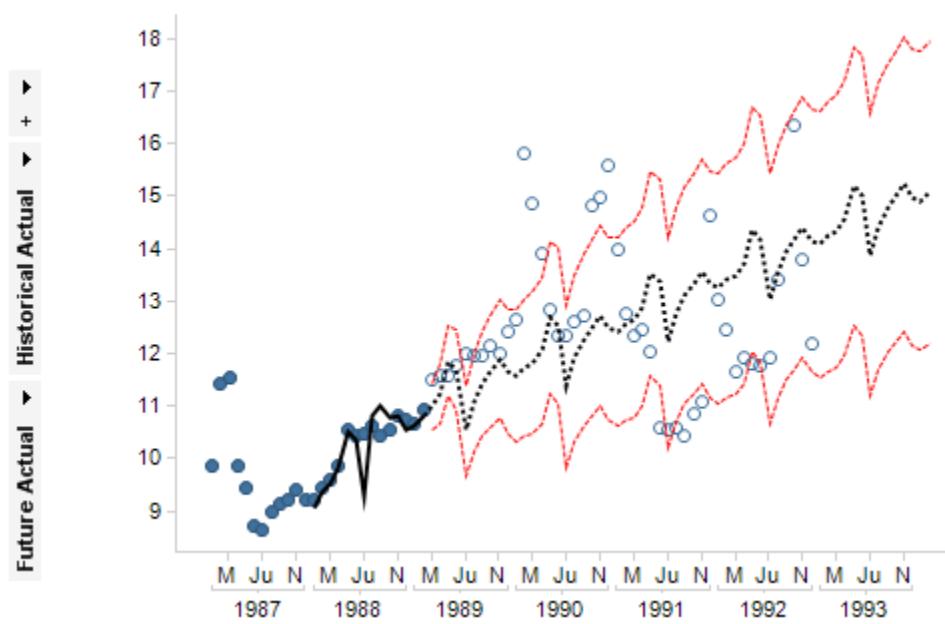
- HV-HM
- HV-LM
- Losing
- LV-HM
- LV-LM

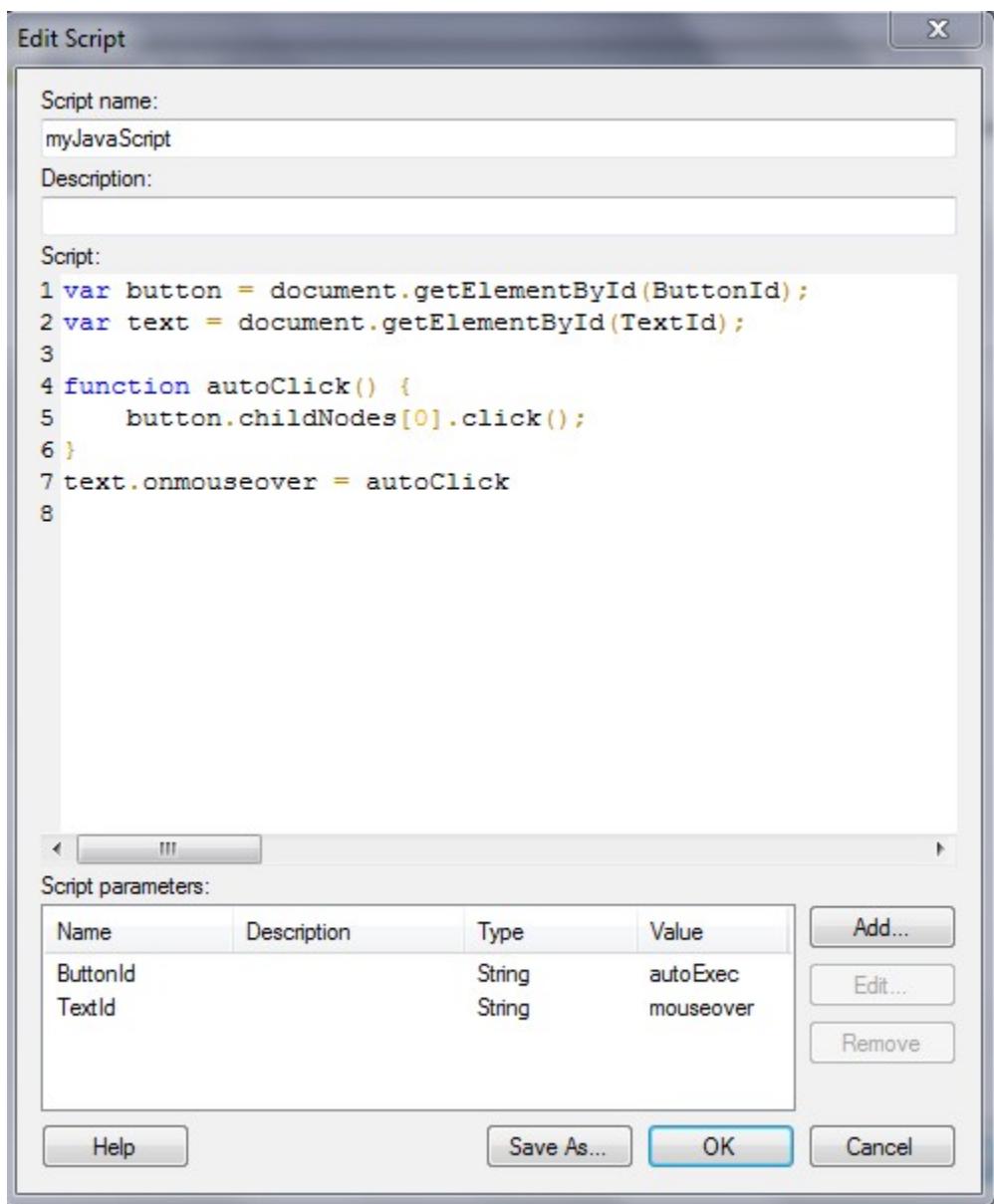
Store View

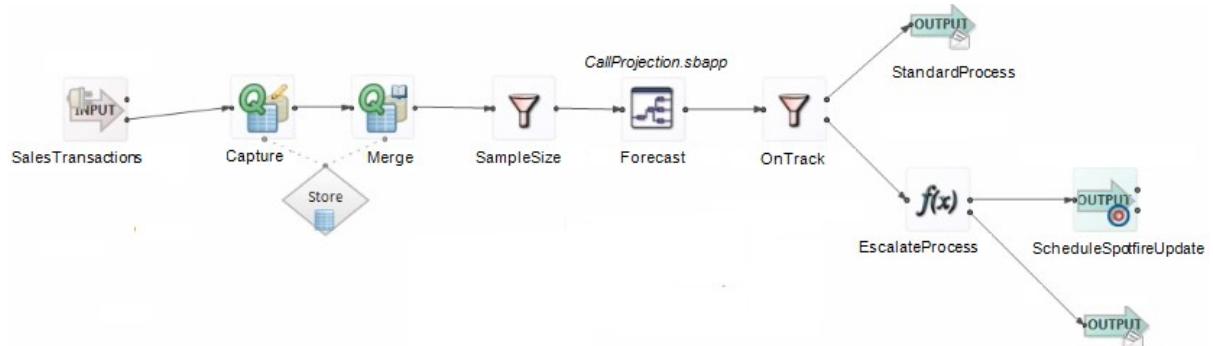
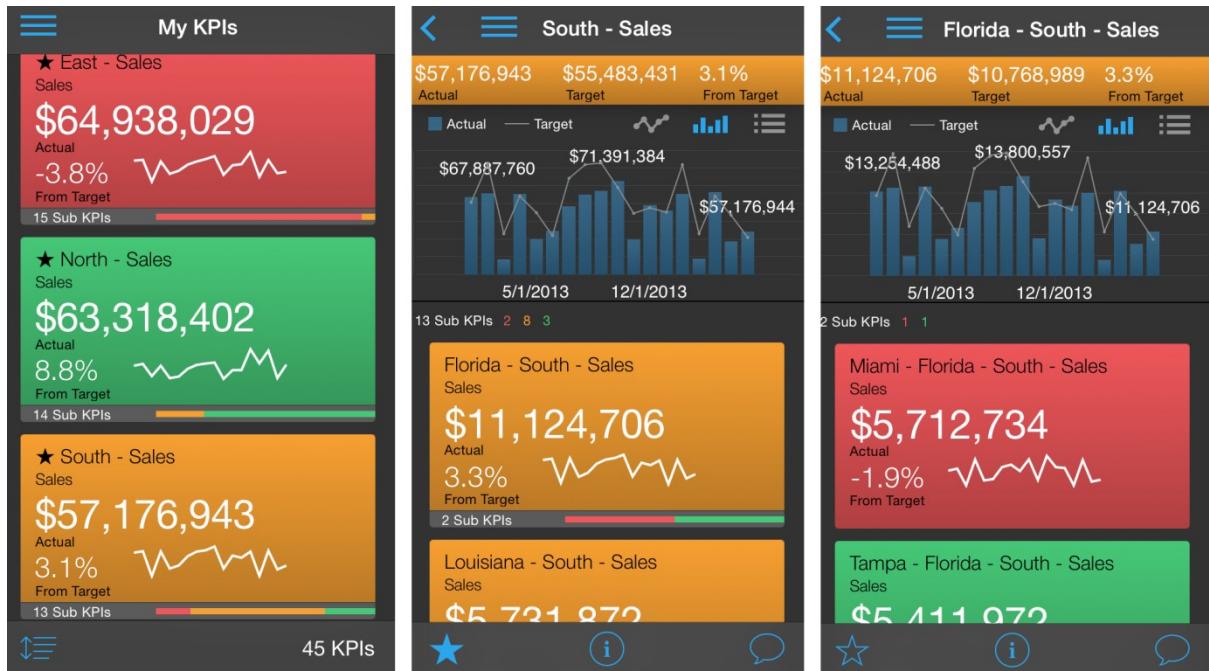
Boston	Chicago	Columbus	Dallas
Ele	Ele	Ele	Ele
Fur	Fur	Fur	Fur
Gar	Gar	Gar	Gar
Gro	Gro	Gro	Gro
Toy	Toy	Toy	Toy

Return to Index

Chapter 10







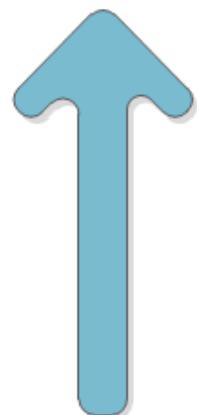
Data Analysts and Consumers

Spotfire Analyst (Professional Client) | Spotfire Consumer (Web Player) | Mobile Metrics | TERR



Spotfire Server

Information Services | Library



Advanced Data Services

Data Delivery

Caching

Metadata Repository

Query Engine



Data Sources

File Systems | Databases | Spotfire Data Connectors

Oracle E-Business Suite | Salesforce.com | SAP BW | SAP ERP | Siebel eBusiness Applications

Web Services

MyModel

Model Summary

Model Name: MyModel
 Model Type: Linear Regression
 Model: 'Temperature C' ~ MONTH + DAY
 Residual standard error: 10.75 on 1408191 degrees of freedom
 (7248 observations deleted due to missingness)
 Multiple R-squared: 0.02218, Adjusted R-squared: 0.02216
 F-statistic: 15957 on 2 and 1408191 DF, p-value: 0

Table of Coefficients

Name	Estimate	StdError	t.value	p.value
(Intercept)	11.48	0.03	455.57	0.00
MONTH	0.47	0.00	178.43	0.00
DAY	0.01	0.00	7.00	0.00

Available Diagnostics

- Residuals vs. Fitted
- Normal Quantile-Quantile
- Scale - Location
- Cook's Distance
- Response vs. Fitted
- Variable Importance

Residuals vs. Fitted

Residuals

Fitted

Variable Importance

MONTH

DAY

