



Smarten

Augmented Analytics

Powered by ElegantJ BI

User Types & Access Rights

Version 5.1

Document Information	
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Disclaimer

This document is intended to support administrators, technology managers or developers using and implementing Smarten. The business needs of each organization will vary and this document is expected to provide guidelines and not rules for making any decisions related to Smarten. The overall performance of Smarten depends on many factors, including but not limited to hardware configuration and network throughput.

Smarten User Types & Access Rights

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
1	Main Menu	Open	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		– My Favourites	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		– My Folders	Yes	Yes	Yes	Yes	Yes	Yes			
		– Repository	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		– Data	Yes	Yes	Yes						
		-- Datasets	Yes	Yes	Yes						
		-- Data sources	Yes	Yes	Yes						
		-- Cubes	Yes	Yes	Yes						
		New	Yes	Yes							
		– Crosstab	Yes	Yes							
		– Tabular	Yes	Yes							
		– Graph	Yes	Yes							
		– GeoMap	Yes	Yes							
		– KPI	Yes	Yes							
		– KPI Group	Yes	Yes							
		– Dashboard	Yes								
		– SmartenView	Yes	Yes							
		– Data source	Yes	Yes							
		– DataSet	Yes	Yes							
		– SmartenInsight	Yes	Yes							
		Publishing Agent	Yes	Yes							
		TeamUp	Yes	Yes		Yes	Yes				
		Edit Profile	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Logout	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		About Us	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	Crosstab	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Filters	Yes	Yes		Yes	Yes				
		Time Series	Yes	Yes		Yes	Yes				
		Outliner	Yes	Yes		Yes	Yes				
		Slice and Dice	Yes	Yes	Yes	Yes	Yes	Yes			
		Graph	Yes	Yes		Yes	Yes		Yes	Yes	
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Notes	Yes	Yes		Yes	Yes				
		Manage subviews	Yes	Yes							
		Manage Data Display Value Mapping	Yes	Yes							
		Manage Drill Through Columns	Yes	Yes							
		Manage Spotlights	Yes	Yes		Yes	Yes				
		Manage Sort	Yes	Yes		Yes	Yes				
		Manage Rank	Yes	Yes		Yes	Yes				
		Manage UDDC	Yes	Yes							
		Manage UDHC	Yes	Yes							
		Select What-if Variables	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Manage Global Variables	Yes	Yes							
		Crosstab Properties	Yes	Yes							
	Dimension – Right click	Drill Through	Yes	Yes		Yes	Yes		Yes	Yes	
		Add	Yes	Yes		Yes	Yes				
		Remove	Yes	Yes		Yes	Yes				
		Add Row	Yes	Yes							
		Summary	Yes	Yes	Yes	Yes	Yes	Yes			
		Group	Yes	Yes		Yes	Yes				
		Sort	Yes	Yes	Yes	Yes	Yes	Yes			
		– Ascending	Yes	Yes	Yes	Yes	Yes	Yes			
		– Descending	Yes	Yes	Yes	Yes	Yes	Yes			
		– Advanced	Yes	Yes		Yes	Yes				
		Rank	Yes	Yes		Yes	Yes				
		View	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show only this	Yes	Yes	Yes	Yes	Yes	Yes			
		– Exclude this	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show all	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show only summary data	Yes	Yes	Yes	Yes	Yes	Yes			
		Filter	Yes	Yes		Yes	Yes				
		Format	Yes	Yes		Yes	Yes				
		Notes	Yes	Yes		Yes	Yes				
		Spot Lighter	Yes	Yes		Yes	Yes				
	Measure – Right click	Drill Through	Yes	Yes		Yes	Yes		Yes	Yes	
		Add column	Yes	Yes							
		Data operations	Yes	Yes	Yes	Yes	Yes	Yes			
		Filter	Yes	Yes		Yes	Yes				
		Format	Yes	Yes		Yes	Yes				

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Notes	Yes	Yes		Yes	Yes				
		Spot Lighter	Yes	Yes		Yes	Yes				
3	Graph	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Filters	Yes	Yes		Yes	Yes				
		Time Series	Yes	Yes		Yes	Yes				
		Drill-Down Browsing	Yes	Yes		Yes	Yes				
		Data operations	Yes	Yes	Yes	Yes	Yes	Yes			
		Groups	Yes	Yes		Yes	Yes				
		Outliner	Yes	Yes		Yes	Yes				
		Graph Type	Yes	Yes	Yes	Yes	Yes	Yes			
		Graph Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Data Display Value Mapping	Yes	Yes							
		Manage Sort	Yes	Yes		Yes	Yes				
		Manage Rank	Yes	Yes		Yes	Yes				
		Manage UDDC	Yes	Yes							
		Manage UDHC	Yes	Yes							
		Select What-if Variables	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Manage Global Variables	Yes	Yes							
		Graph Properties	Yes	Yes							
4	GeoMap	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Filters	Yes	Yes		Yes	Yes				
		Time Series	Yes	Yes		Yes	Yes				
		Data operations	Yes	Yes	Yes	Yes	Yes	Yes			
		Outliner	Yes	Yes		Yes	Yes				
		Map Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Data Display Value Mapping	Yes	Yes							
		Manage Spot Lighter	Yes	Yes		Yes	Yes				
		Manage UDDC	Yes	Yes							
		Manage Page Filters	Yes	Yes							
		Select What-if Variables	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Manage Global Variables	Yes	Yes							
		GeoMap Properties	Yes	Yes							
5	KPI	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Time Series	Yes	Yes		Yes	Yes				
		Open Linked Object	Yes	Yes		Yes	Yes				
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Quick Selection									
		Views	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Breakdown columns	Yes	Yes	Yes	Yes	Yes	Yes			
		Frequency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Periods	Yes	Yes		Yes	Yes		Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Managed Linked Object	Yes	Yes							
		Manage Page Filters	Yes	Yes							
		Select What-if Variables	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Manage Global Variables	Yes	Yes							

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Manage Breakdown Columns	Yes	Yes							
		KPI Expressions	Yes	Yes							
		KPI View Properties	Yes	Yes							
		KPI Properties	Yes	Yes							
		KPI – Breakdown	Yes	Yes							
		Rank KPI Breakdown	Yes	Yes							
		Manage KPI Breakdown User Defined Data Columns	Yes	Yes							
		Manage KPI Breakdown View Columns	Yes	Yes							
6	KPI – Group	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Time Series	Yes	Yes		Yes	Yes				
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Quick Selection									
		Views	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		Frequency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		Periods	Yes	Yes		Yes	Yes		Yes	Yes	
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Managed Linked Object	Yes	Yes							
		Manage Page Filters	Yes	Yes							
		KPI Group View Properties	Yes	Yes							
		KPI Properties	Yes	Yes							
		Manage KPIs	Yes	Yes							
		Manage KPI Group User Defined Data Columns	Yes	Yes							
		Manage KPI Group View Columns	Yes	Yes							
7	Dashboard	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Page Filters	Yes	Yes							
		Manage Tabs	Yes	Yes							
		Design Mode	Yes								
		– Save	Yes								
		– Save As	Yes								
		– Preview	Yes								
		– Manage Filter Associations	Yes								
		– Manage Tabs	Yes								
		– Select What-if Variables	Yes	Yes							
		– Manage Retrieval Parameters	Yes								
		– Manage Global Variables	Yes								
		– Dashboard Properties	Yes								
		– Add Object	Yes								
8	Tabular	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes		Yes	Yes				
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Filters	Yes	Yes		Yes	Yes				
		Time Series	Yes	Yes		Yes	Yes				
		Outliner	Yes	Yes		Yes	Yes				
		Graph	Yes	Yes		Yes	Yes		Yes	Yes	Yes
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Conversation	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes							
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Notes	Yes	Yes		Yes	Yes				
		Manage subviews	Yes	Yes							
		Manage Data Display Value Mapping	Yes	Yes							
		Manage Drill Through Columns	Yes	Yes							
		Manage Spotlights	Yes	Yes		Yes	Yes				
		Manage Sort	Yes	Yes		Yes	Yes				
		Manage Rank	Yes	Yes		Yes	Yes				

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Manage UDDC	Yes	Yes							
		Manage UDHC	Yes	Yes							
		Select What-if Variables	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Manage Global Variables	Yes	Yes							
		Manage groups	Yes	Yes							
		Tabular Properties	Yes	Yes							
	Dimension – Right click	Drill Through	Yes	Yes		Yes	Yes		Yes	Yes	
		Add Row	Yes	Yes							
		Summary	Yes	Yes	Yes	Yes	Yes	Yes			
		Sort	Yes	Yes	Yes	Yes	Yes	Yes			
		– Ascending	Yes	Yes	Yes	Yes	Yes	Yes			
		– Descending	Yes	Yes	Yes	Yes	Yes	Yes			
		– Advanced	Yes	Yes		Yes	Yes				
		Rank	Yes	Yes		Yes	Yes				
		View	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show only this	Yes	Yes	Yes	Yes	Yes	Yes			
		– Exclude this	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show all	Yes	Yes	Yes	Yes	Yes	Yes			
		– Show only summary data	Yes	Yes	Yes	Yes	Yes	Yes			
		Format	Yes	Yes		Yes	Yes				
		Notes	Yes	Yes		Yes	Yes				
		Spot Lighter	Yes	Yes		Yes	Yes				
	Measure – Right click	Drill Through	Yes	Yes		Yes	Yes		Yes	Yes	
		Add column	Yes	Yes							
		Data operations	Yes	Yes	Yes	Yes	Yes	Yes			
		Format	Yes	Yes		Yes	Yes				
		Notes	Yes	Yes		Yes	Yes				
		Spot Lighter	Yes	Yes		Yes	Yes				
9	SmartenView	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Restore	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Publish Now	Yes	Yes	Yes	Yes	Yes	Yes			
		Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		What-if	Yes	Yes							
		Retrieval Parameters	Yes	Yes		Yes	Yes				
		Global Variables	Yes	Yes		Yes	Yes				
		Page Filters	Yes	Yes		Yes	Yes		Yes	Yes	
		Filters	Yes	Yes		Yes	Yes				

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Time Series	Yes	Yes		Yes	Yes				
		Data Operation	Yes	Yes	Yes	Yes	Yes	Yes			
		Group	Yes	Yes		Yes	Yes				
		Outliner	Yes	Yes		Yes	Yes				
		Smarten View Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Sampling	Yes	Yes	Yes	Yes	Yes	Yes			
		Conversations	Yes	Yes		Yes	Yes		Yes	Yes	
		Settings	Yes	Yes		Yes	Yes				
		PDF Setup	Yes	Yes		Yes	Yes				
		Manage Data Display Value Mapping	Yes	Yes							
		Manage Sort	Yes	Yes		Yes	Yes				
		Manage Rank	Yes	Yes		Yes	Yes				
		Manage UDDC	Yes	Yes							
		Manage UDHC	Yes	Yes							
		Manage Page Filters	Yes	Yes							
		Manage Retrieval Parameters	Yes	Yes							
		Smarten View Properties	Yes	Yes							
10	Repository	Refresh	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Edit	Yes	Yes							
		Delete	Yes	Yes							
		Copy	Yes	Yes							
		Move	Yes	Yes							
		Favourites	Yes	Yes		Yes	Yes		Yes	Yes	
		Set as Home Page	Yes	Yes		Yes	Yes		Yes	Yes	
		Export / Import	Yes								
11	Publishing Agent	Refresh	Yes	Yes							
		Add	Yes	Yes							
		Edit	Yes	Yes							
		Run Now	Yes	Yes							
		Active	Yes	Yes							
		Inactive	Yes	Yes							
		Delete	Yes	Yes							
#	Object	Menu / Operation	SmartenInsight – Power			SmartenInsight – View					
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile			
12	SmartenInsight	Refresh	Yes	Yes	Yes	Yes	Yes	Yes			
		Restore	Yes	Yes	Yes	Yes	Yes	Yes			
		Save	Yes	Yes							
		Save As	Yes	Yes							
		Export	Yes	Yes	Yes	Yes	Yes	Yes			
		Change Model Parameters	Yes	Yes	Yes	Yes	Yes	Yes			

#	Object	Menu / Operation	Power User			User			Publish Only User		
			Desktop	Tablet	Mobile	Desktop	Tablet	Mobile	Desktop	Tablet	Mobile
		Sampling	Yes	Yes	Yes	Yes	Yes	Yes			
		Object Information	Yes	Yes	Yes	Yes	Yes	Yes			
		Conversations	Yes	Yes		Yes	Yes				

#	Object	Menu / Operation	SSDP User		
			Desktop	Tablet	Mobile
13	Smarten - SSDP	Save	Yes	Yes	Yes
		Publish	Yes	Yes	Yes
		Export	Yes	Yes	Yes
		Aggregate	Yes	Yes	Yes
		Blend - Join	Yes	Yes	Yes
		Blend - Append	Yes	Yes	Yes
		Add Dataset(s)	Yes	Yes	Yes
		Dimension Map	Yes	Yes	Yes
		Sampling	Yes	Yes	Yes
		Outliers	Yes	Yes	Yes
		Action Editor	Yes	Yes	Yes
		Lineage Diagram	Yes	Yes	Yes
		Switch Data Mode	Yes	Yes	Yes
		Record Count	Yes	Yes	Yes
		Auto Suggestion	Yes	Yes	Yes
		Conversations	Yes	Yes	Yes
	Column — Right Click	Highlight	Yes	Yes	Yes
		– Missing values	Yes	Yes	Yes
		– Spaces	Yes	Yes	Yes
		– Inconsistent Values	Yes	Yes	Yes
		– Duplicate Columns with this Column	Yes	Yes	Yes
		– Duplicate Row with this Row	Yes	Yes	Yes
		– Duplicate Column Values	Yes	Yes	Yes
		– All Duplicate Rows	Yes	Yes	Yes
		– Rows With All Null	Yes	Yes	Yes
		– Rows With All Zeros	Yes	Yes	Yes
		Unique values	Yes	Yes	Yes
		Cluster & Edit	Yes	Yes	Yes
		Find & Replace	Yes	Yes	Yes
		Remove	Yes	Yes	Yes
		– This Column	Yes	Yes	Yes
		– This Row	Yes	Yes	Yes
		– Rows With This Column value	Yes	Yes	Yes
		– Duplicate Columns with this Column	Yes	Yes	Yes
		– Duplicate Rows with this Rows	Yes	Yes	Yes
		– All Duplicate Rows	Yes	Yes	Yes
		– Rows With All Null	Yes	Yes	Yes
		– Rows With All Zeros	Yes	Yes	Yes

		Mark As	Yes	Yes	Yes
		– GeoMapDimension	Yes	Yes	Yes
		- Country	Yes	Yes	Yes
		- County	Yes	Yes	Yes
		- State	Yes	Yes	Yes
		- City	Yes	Yes	Yes
		- Area	Yes	Yes	Yes
		- Zip	Yes	Yes	Yes
		- Latitude	Yes	Yes	Yes
		- Longitude	Yes	Yes	Yes
		– Time Dimension	Yes	Yes	Yes
		- Year	Yes	Yes	Yes
		- Quarter	Yes	Yes	Yes
		- Month	Yes	Yes	Yes
		- Week	Yes	Yes	Yes
		- Day	Yes	Yes	Yes
		- Hour	Yes	Yes	Yes
		- Minute	Yes	Yes	Yes
		- Second	Yes	Yes	Yes
		Dimension	Yes	Yes	Yes
		Copy	Yes	Yes	Yes
		– Column	Yes	Yes	Yes
		– Row	Yes	Yes	Yes
		Sort	Yes	Yes	Yes
		– Ascending	Yes	Yes	Yes
		– Descending	Yes	Yes	Yes
		– None	Yes	Yes	Yes
		Transform	Yes	Yes	Yes
		– Upper Case	Yes	Yes	Yes
		– Lower Case	Yes	Yes	Yes
		– Capitalize	Yes	Yes	Yes
		– Data type	Yes	Yes	Yes
		– Make Time Part Zero	Yes	Yes	Yes
		– First Date Of Month	Yes	Yes	Yes
		– last Date Of Month	Yes	Yes	Yes
		– More...	Yes	Yes	Yes
		Add Column	Yes	Yes	Yes
		– Row Number	Yes	Yes	Yes
		– Year	Yes	Yes	Yes
		– Quarter	Yes	Yes	Yes
		– Month	Yes	Yes	Yes
		– Month Name	Yes	Yes	Yes
		– Week of Year	Yes	Yes	Yes
		– Week of Month	Yes	Yes	Yes
		– Day Of Week	Yes	Yes	Yes
		– Weekday Name	Yes	Yes	Yes
		– Day Of Year	Yes	Yes	Yes

		– Day Of Month	Yes	Yes	Yes
		– Hour	Yes	Yes	Yes
		– Minute	Yes	Yes	Yes
		– Second	Yes	Yes	Yes
		– Custom	Yes	Yes	Yes
		Split	Yes	Yes	Yes
		– Split To Column	Yes	Yes	Yes
		– Split To Row	Yes	Yes	Yes
		Merge Columns	Yes	Yes	Yes
		Filter	Yes	Yes	Yes
		– Rows With This Column value	Yes	Yes	Yes
		– Duplicate Rows with this Rows	Yes	Yes	Yes
		– All Duplicate Rows	Yes	Yes	Yes
		– Rows With All Null	Yes	Yes	Yes
		– Rows With All Zeros	Yes	Yes	Yes
		– Custom	Yes	Yes	Yes
		Display Format	Yes	Yes	Yes
		Edit Row	Yes	Yes	Yes
		Statistics	Yes	Yes	Yes

Product and Support Information

Find more information about ElegantJ BI-Smarten and its features at www.smartent.com

Support: support@smartent.com

Sales: sales@smartent.com

Feedback & Suggestions: support@smartent.com

Support & Knowledgebase Portal: support.smartent.com