

Data Mining Capabilities	Analytic Solver Data Mining	Analytic Solver Basic
Platform	Windows	Windows
<b>Partitioning</b>		
# of Rows	Unlimited <sup>1</sup>	Original Data: 65,000 Training Partition: 10,000
# of Columns	Unlimited <sup>1</sup>	Original Data: No Limit Output: 50
<b>Sample from Worksheet</b>		
# of Rows	Unlimited <sup>1</sup>	Original Data: 65,000 Sample Output: 65,000
# of Columns	Unlimited <sup>1</sup>	Original Data: No Limit Output: 50
# of Categories for Stratum Variable (for Stratified Sampling)	Unlimited <sup>1</sup>	30 (Stratum values are not case sensitive.)
<b>Sample from Database (#Fields x #Records)</b>		
# of Fields	Unlimited <sup>1</sup>	In the Table: 1,000,000 Sample Output: 65,000
# of Records	Unlimited <sup>1</sup>	In the table: No Limit Sample Output: 50
# of Categories for Stratum Variable (for Stratified Sampling)	Unlimited <sup>1</sup>	30 (Stratum values are not case sensitive.)
<b>Text Mining</b>	Unlimited <sup>1</sup>	#Documents: 100 #Characters per Document: 5,000 # Terms in Vocab: 50 # Text Variables: 1
<b>Feature Selection</b>	Unlimited <sup>1</sup>	#Records: 10,000 #Variables: 50 #Distinct Classes (Output): 30 #Distinct Classes (Input): 100
<b>Handling Missing Values</b>		
# of Rows	Unlimited <sup>1</sup>	65,000
# of Columns	Unlimited <sup>1</sup>	50
# of Missing Values that can be treated at one time	Unlimited <sup>1</sup>	65,000
<b>Bin Continuous Data (#Rows x #Columns in output)</b>		
Sum of # of columns in the data range and # of columns selected for binning	Unlimited <sup>1</sup>	65,000
# Rows	Unlimited <sup>1</sup>	65,000
# of Columns in the output	Unlimited <sup>1</sup>	50 (Inclusive of all columns in the data range and binned columns)
<b>Transform Categorical Data (#Rows x #Columns)</b>		
# of Rows	Unlimited <sup>1</sup>	65,000
# Columns	Unlimited <sup>1</sup>	50 (Inclusive of all columns in the data range and ones added in the output.)
# of Distinct Classes	Unlimited <sup>1</sup>	30
# of Output Variables	Unlimited <sup>1</sup>	30
<b>Time Series (#Rows)</b>		
# of Rows	Unlimited <sup>1</sup>	1,000
<b>Classification and Prediction (#Rows)</b>		
# of Rows	Unlimited <sup>1</sup>	10,000 for Training 65,000 for Training + Validation + Test (if partitioning is used) 10,000 in new data used as Scoring target
# of Columns (input variables)	Unlimited <sup>1</sup>	50
# of Distinct Classes for Categorical Variables	Unlimited <sup>1</sup>	100 (Class values are not case sensitive.)
# of Distinct Values for any input variable for Naive Bayes Classification	Unlimited <sup>1</sup>	50 (Values are not case sensitive.)
# of Nearest Neighbors for k-Nearest Neighbors	50	10 (or # of Training rows whichever is smaller.)
# of Splits for Regression Tree	Unlimited <sup>1</sup>	100 (or # of Training rows - 1 whichever is smaller.)
# of Levels in Tree Drawing for Regression and Classification Trees	Unlimited <sup>1</sup>	7 (Actual tree may contain more levels.)
<b>Affinity - Association Rules (#Transactions)</b>		
# of Transactions	Unlimited <sup>1</sup>	65,000
# of Distinct Items in Dataset	5,000	100
# of Items in a Transaction	Unlimited <sup>1</sup>	50
# of Rules	Unlimited <sup>1</sup>	65,000 (Additional rules may exist, but will not be displayed.)
<b>Data Exploration &amp; Reduction</b>		
# of Rows	Unlimited <sup>1</sup>	10,000 Exception: When using Hierarchical Clustering, the number of rows is limited 1,000.)
# of Columns (variables)	Unlimited <sup>1</sup>	50
# Clusters displayed in Dendrogram	Unlimited <sup>1</sup>	10 (The solution may involve a higher number of clusters, but the Dendrogram shows a maximum of 10 top-level clusters.)
Size of Distance Matrix (if specified) for Hierarchical Clustering	Unlimited <sup>1</sup>	1,000 x 1,000
# of Clusters for k- Means Clustering	Unlimited <sup>1</sup>	10 (or # of Training rows whichever is smaller.)
# of Iterations for k-Means Clustering	Unlimited <sup>1</sup>	10
<b>Charts (#Rows x #Columns)</b>		
# of Rows	Unlimited <sup>1</sup>	65,000
# of Columns	Unlimited <sup>1</sup>	Original Data: 50
<b>General</b>		
# of Worksheets in Excel Workbook	Unlimited <sup>1</sup>	Unlimited <sup>1</sup>
Model Storage and Scoring	Included	Included

<sup>1</sup>Limited only by the amount of main memory (RAM) available on your machine.