SYSTATDataConsolidator (SDC)

User Guide

# Definitions:

SYSTAT dataset A (strictly) rectangular array of data values; the columns are the values for a particular Variable and the rows the values for each Trial; the SYSTAT dataset is conceptually divided into sub-arrays, each from a constituent FILMAN or CSV file

Individual SYSTAT column Contains the values for a single SYSTAT Variable

Individual SYSTAT row Contains the values for each of the Variables in a single SYSTAT Trial

Collected column The values for a SYSTAT Variable Group; these values are selected from a set of files of a single type (FILMAN or CSV) that contain this information; the files that may be included in a Variable Group column must be of the same type; if they are CSV, they must have the same number of items in each row and the names of those items (in the first row) must be identical; if they are FILMAN files, they must have the same number of GVs, channels, and data points

Collected row The Trials from a single experimental session; the files containing these the values may be of either FILMAN or CSV types (or both); all the files must have the same number of records (CSV) and/or recordsets (FILMAN), each representing a given SYSTAT Trial

CSV file Comma Separated Value file; the rows in this file consist of a series of values (either numbers or strings <= 12 characters in length); the first row contains the names of each of the Variables; these names must be <=12 characters in length, start with a letter and contain only letters, numbers and underscore; Variables which encode strings must end with a $ (which is included in the 12 character limit); each row ends in a CR/LF and the values in a row are separated by commas; Excel CSV files are in an acceptable format

FILMAN file Standard format FILMAN file created by FILMAN processing; a given FILMAN file is described by the number of GVs, number of channels, number of datapoints, and number of recordsets it contains.

Missing data Indicated by the value -1E+36 in a file (SYSTAT, FILMAN or CSV); this value can be used to fill in “holes” in a data file in order to make files compatible