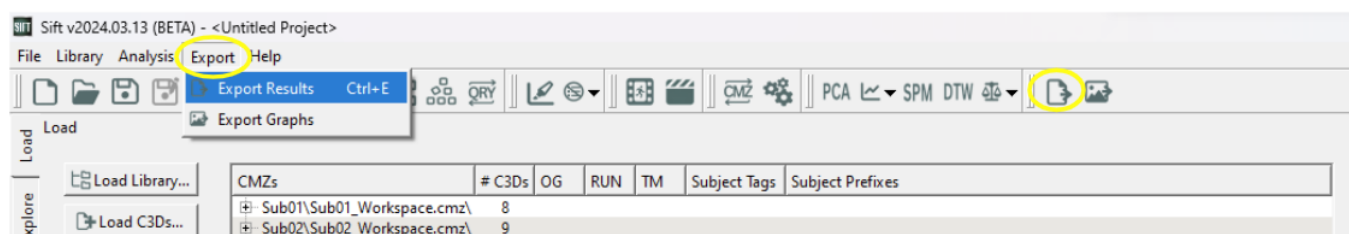


Export Results Dialog

The export results dialog allows the user to export a variety of data (group data, summary statistics, registered curves, [Principal Component Analysis \(PCA\)](#) results, [Dynamic Time Warping \(DTW\)](#) results and [Statistical Parametric Mapping \(SPM\)](#) results) to text files in Standard ASCII, Transposed ASCII, SPSS ASCII and P2D format. The export results dialog  can be found on the toolbar and under the Export menu.



Dialog Overview

The export results dialog is split up into three sections.

1. Export Settings
2. Definition
3. Export Results Options

The screenshot shows the 'Sift' application window with the 'Export Settings File' dialog box open. The dialog is divided into three main sections, each highlighted with a red border and a number:

- Export Settings File (1.)**: This section contains a text input field labeled 'Export Settings File:' with the text 'Load Export Settings'. To the right of this field are three icons: a folder, a save icon, and a delete icon. Below this is a section labeled 'Export text files to folder and filenames:' with a text input field 'Export text files to folder:' and a 'Browse' button. At the bottom of this section are three icons: a plus sign, a minus sign, and a pencil.
- Definition (2.)**: This section contains several dropdown menus and checkboxes. The 'Export Type' dropdown is set to 'Data'. The 'Input Data' dropdown is set to 'Active Plot Data'. The 'Number Points Normalized to:' text input field contains '101'. Below these are six checkboxes, all of which are unchecked: 'Group Mean', 'Group Std. Dev.', 'Workspace Mean', 'Workspace Std. Dev.', 'All Sequences (Normalized)', and 'All Sequences (Time Based)'.
- Export Result Options (3.)**: This section contains a dropdown menu for 'Export Format' set to 'Transposed ASCII', a text input field for 'Precision' set to '4', a 'Generate Preview' button, a text input field for 'Results File Name' with a 'Browse' button, and two buttons at the bottom: 'Cancel' and 'Export Results'.

Export Settings Section

Selecting export settings allows you to save premade selections for exporting, saving time customizing your exports. Export setting files are saved as standard text file.

Field	Description
Export Settings File	Here you can browse your library to load in an Export Settings File.
Export text files to folder and filenames	Here you can customize where you want your exports to be saved and specify the folder and the filenames.

Definition Section

This section defines what data (signals, metrics, calculated values, and summary statistics) you want to be exported in the text file. Changing the export type, changes the different options to be exported.

Export Type: Data

The export type data allows you to export all information related to queries. The key here is your **Input Data**, which allows you to choose what data you want to be exported. There are four different options to choose from:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots

3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
All Workspaces in Group or Selected Workspaces	Choosing Selected Workspaces will only export workspaces that are selected in the groups and workspaces widget .
Number Points Normalized to	This will normalize the data to the number selected. The standard it to keep is at 101, which queries are typically normalized to.
Group Mean	Checking this box will export the groups mean.
Group Std. Dev.	Checking this box will export the groups standard deviation.
Workspace Mean	Checking this box will export the workspaces mean.
Workspace Std. Dev.	Checking this box will export the workspace standard deviation.
All Sequences (Normalized)	Checking this box will export each normalized trace within the selected groups. This option also allows you to export the Events (Normalized) , which exports the occurrence of each event within the signal.
All Sequences (Time Based)	Checking this box will export each raw trace within the selected groups. This option also allows you to export the Events (Time Based) , which exports the occurrence of each event within the signal.

Export Type: Summary Statistics

Definition

Export Type

Summary Statistics

Input Data

All Plotted Data

☒ All Workspaces in Group
☐ Selected Workspaces

Calculate results for

Groups

☒ Mean
☐ Std. Dev.

☒ Minimum
☐ Std. Dev.
☐ Event Point

☒ Maximum
☐ Std. Dev.
☐ Event Point

☒ Extra Options

☐ Add metrics columns

☐ Use normalized data to calculate metrics

The export type data allows you to export all information related to queries. Again the **Input Data** field allows you to choose what data you want to be exported:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots
3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
All Workspaces in Group or Selected Workspaces	Choosing Selected Workspaces will only export workspaces that are selected in the groups and workspaces widget .
Calculate results for	This allows you to choose what you want the summary statistics to be calculated for. There are three options: Groups, Workspaces, and Instances.
Mean	This calculates the means of the data you chose. Checking this box also allows you to calculate the Std. Dev. of the means.
Minimum	This calculates the minimums of the data you chose. Checking this box also allows you to calculate the Std. Dev. of the minimums, and to export the Event Point of the minimums.
Maximum	This calculates the maximums of the data you chose. Checking this box also allows you to calculate the Std. Dev. of the maximums, and to export the Event Point of the maximums.
Extra Options	Checking extra option will only give results if previous options are checked, however this allows you the option to Add metric columns , and to Use normalized data to calculate metrics .

Export Type: PCA Results

Definition

Export Type

Input PCA

☒ Workspace Scores

☒ Group Scores ☐ Group Scores Std. Dev.

☒ Variance Explained

☒ Eigenvectors

☒ Mean +/- 1 SD ☐ Mean +/- 5 and 95 %

Outlier Detection

☒ LOF ☐ Threshold

☒ SPE ☐ Parameters ☐ Threshold

☒ Mahalanobis Distance ☐ Parameters ☐ Threshold

☒ K-Means

This option allows you to export [PCA](#) results.

Field	Description
Workspaces Scores	This will export the workspace score for each groups workspace run in the PCA.
Group Scores	This will export the group score for each group run in the PCA.
Group Scores Std. Dev.	This will export the standard deviation of the group score for each group run in the PCA.
Variance Explained	This will export the variance explained for each PC run in the PCA.
Eigenvectors	This will export the data points of the eigenvectors for each PC.
Mean +/- 1 SD	This will export the mean and +/- 1 standard deviation of the reconstructed PCs.

Field	Description
Mean +/- 5 and 95%	This will export the mean, the 5th and the 95th reconstruction of the PC.
Outlier Detection	
LOF	This will export the outliers from the LOF test.
SPE	This will export the outliers from the SPE test.
Mahalanobis Distance	This will export the outliers from the Mahalanobis test.
K-Means	This will export the outliers from the K-Means test.

Export Type: Registered Curves

Definition

Export Type

Registered Curves

Input Data

All Plotted Data

☐ Registered Curves

☐ Warping Functions

☐ Landmark Means

☐ Landmarks for all Traces

This option will allow you to export all the information related to [curve registration](#). Again the **Input Data** field allows you to choose what data you want to be exported:

1. All Queried Data - this will export all data that has been queried from the library
2. All Plotted Data - this will export all data that has been visualized on one of the Explore Page's plots
3. Active Plot Data - this will only export data that is on the Explore Page's active plot
4. Highlighted Data - this will only export data that is highlighted

Field	Description
Registered Curves	Checking this box will export all the traces of the registered groups.
Warping Functions	Checking this box will export the warping function for each trace in the registered groups.
Landmark Means	Checking this box will export the mean locations of the landmarks the groups were registered to.
Landmarks for all Traces	Checking this box will export the original location of each landmark for each trace.

Export Type: Dynamic Time Warping

Definition

Export Type

Dynamic Time Warping

☐ Found Anomalies/Traces

☐ Cost Functions

This option will export the results from [DTW](#).

Field	Description
Found Anomalies/Traces	Checking this box will export the traces that were found in DTW .
Cost Functions	Checking this box will export the cost functions of the traces that were found in DTW .

Export Type: Statistical Parametric Mapping / SPM

Definition

Export Type Statistical Parametric Mapping ▾

☐ SPM B Matrix

☐ SPM Residual Matrix

☐ SPM's

This option allows you to export results from the [SPM analysis module](#).

Field	Description
SPM B Matrix	This will export the traces in the B plot.
SPM Residual Matrix	This will export the traces in the Residuals plot.
SPMs	This will export the SPM curve.

Export Type: Normal Database

Definition

Export Type Normal Database ▾

Input Data All Plotted Data ▾

This option allows you to export queried ND signals

Export Type: Statistical Test Results

Definition

Export Type Statistical Test Results ▾

☐ Test Information

☐ Group Results

☐ Test Results

This option will export the results from the summary statistics dialog

Field	Description
Test Information	Displays the test name along with the type of statistical test and the significance level

Field	Description
Group Results	For each group and overall the following results will be shown: Mean, Standard Deviation, Standard Error, N
Test Results	Will display: Degrees of Freedom, Pooled Standard Deviation, T Stat, Null Hypothesis

Export Result Options Section

Export Result Options

Export Format

Transposed ASCII

Precision

4

Generate Preview

Results File Name

Browse

Cancel

Export Results

This section allows you to customize how you want the data to look in the exports and to show a preview.

Field	
Export Format	This allows you to pick the format of the text file you want. There are four types of formats: Standard ASCII, Transposed ASCII, SPSS ASCII, P2D, CSV, JSON, and XML.
Precision	This is the number of digits after the decimal point.
Generate Preview	Pressing this button will generate a preview of the export data. This is a good way to check everything is to your liking.
Browse	This allows you to browse your computer's hard drive to select where you want to export your data to.

When the Generate Preview button is clicked, a pop-up window will appear displaying a preview of what is to be exported:

Export Preview

Table	1	2	3	4	5	6	7	8	9	10	11	12
Item	1	2	3	4	5	6	7	8	9	10	11	12
	13.0070	10.8810	15.3258	0.7202	0.3467	0.7251	-2.3558	0.0056	0.7708	0.0023	0.0006	
	13.4296	10.1428	15.7889	0.2321	-0.1886	0.6813	-6.7317	-0.8476	0.3027	0.0099	0.0008	
	13.9371	9.2625	15.8887	5.8773	-1.8524	0.9371	-12.4300	-3.8864	0.2750	0.0103	0.0008	
	13.9377	8.2252	14.7533	7.9604	-2.9255	0.4171	-17.0123	-7.2851	0.3807	0.0133	0.0008	
	12.2626	7.1168	14.4714	8.7148	-1.1800	0.8013	-11.7821	-18.4487	0.1980	0.0214	0.0006	
	12.3020	6.9188	14.8303	7.4270	-3.2659	0.1942	-24.7707	-12.3423	0.3055	0.0277	0.0001	
	12.1142	5.1100	12.0985	3.7191	-6.3005	0.1801	-27.9819	-12.1703	0.8514	0.0347	-0.0007	
	12.7928	4.2991	13.0191	-3.3987	-6.2575	0.1781	-18.7885	-8.9625	0.8627	0.0430	-0.0013	
	12.4710	3.6502	12.4881	-18.7783	-3.7879	-6.6231	-54.4534	-6.8813	0.2465	0.0534	-0.0146	
	14.6476	3.1018	11.8258	-0.1833	-6.8146	-6.2583	-62.8832	-4.8621	0.6709	0.0637	-0.0113	
	11.6135	2.7914	11.3943	-13.6819	-5.6190	8.2138	-130.1796	-1.4841	0.5005	0.0706	-0.0010	
	14.6714	2.5854	10.8803	-43.3823	-2.3734	0.1334	-154.1240	-8.8338	0.8007	0.0823	0.0001	
	10.4012	2.0886	10.4830	-18.8981	-0.8156	0.7893	-170.8823	-1.7851	1.2113	0.1112	0.0010	
	16.8677	1.4801	16.1189	-71.6190	8.3274	1.7393	-254.4471	-2.7023	1.8719	0.1262	0.0016	
	21.1230	2.5805	8.8118	-47.5166	1.5525	2.6546	-291.5738	-1.1745	1.8071	0.1388	0.0012	
	22.5230	2.8807	6.9321	-163.0818	2.7624	4.2111	-117.7817	-2.2886	1.7880	0.1911	-0.0004	
	24.0315	2.7924	5.3257	-116.5733	3.6203	5.4732	-329.3505	-5.2208	1.1114	0.1995	-0.0024	
	25.2194	2.0369	5.5174	-130.0873	4.8910	6.6754	-121.9405	-6.1133	0.9269	0.1606	-0.0032	
	26.2981	3.0263	6.9844	-141.0080	6.2438	7.7882	-198.8588	-6.8867	-1.4897	0.1708	-0.0089	
	27.1234	3.1819	8.6238	-154.7361	7.6378	8.6302	-254.9405	-7.6480	-1.1901	0.1730	-0.0130	
	27.7832	3.0775	8.5275	-164.6449	8.1801	9.3434	-198.1786	-8.2889	-4.6348	0.1706	-0.0132	
	28.0881	3.5882	9.9328	-173.2529	10.7742	9.9966	-108.8121	-8.8875	-0.8123	0.1688	-0.0114	
	28.2887	3.8219	8.5233	-178.5423	12.4408	9.6332	-7.1136	-8.2554	-6.6275	0.1644	-0.0234	
	28.2173	4.0889	8.5171	-183.3600	16.1751	9.3188	180.2388	-6.7627	-1.0380	0.1684	-0.0288	
	27.8883	4.3258	8.4781	-181.3414	19.7489	8.8432	228.9867	-7.4823	-1.2375	0.1664	-0.0314	
	27.3912	4.5505	8.8747	-184.2183	17.3115	8.0889	207.2095	-5.2388	-1.3589	0.1345	-0.0330	
	26.3884	4.8813	8.2188	-183.3600	16.7883	7.1718	488.5507	-2.1648	-0.8889	0.1214	-0.0333	
	25.2840	5.0888	8.4788	-173.1988	20.8708	6.0511	347.1986	1.6054	-7.1342	0.1073	-0.0332	
	23.7940	5.2889	10.2511	-173.0010	21.1788	4.9035	627.4702	5.8935	-6.6339	0.0933	-0.0321	
	21.1935	5.4888	10.4781	-174.8178	21.9688	3.7883	489.8792	7.7838	-4.7838	0.0793	-0.0308	
	19.8737	5.5824	11.1648	-146.1512	22.3812	2.7321	715.8262	14.6477	-4.3905	0.0664	-0.0287	
	17.5338	5.6308	11.8392	-133.0010	22.8884	1.8232	719.3761	18.4641	-3.2963	0.0544	-0.0286	
	14.4793	5.6886	12.0792	-124.1088	21.9688	1.0780	487.8864	21.8817	-1.0011	0.0489	-0.0181	
	12.3400	5.5583	13.3887	-106.8838	21.1811	0.4818	855.8258	23.1346	-0.8170	0.0347	-0.0214	
	8.4788	5.6308	14.7882	-84.3886	19.8888	0.0388	584.8888	23.4980	0.2875	0.0288	-0.0188	
	6.4418	5.1787	14.8888	-86.3888	18.1888	-0.2178	18.1888	23.1888	-0.0001	0.0289	-0.0188	
	3.4848	4.9389	15.7137	-47.8736	16.1288	-4.4373	446.3248	30.3005	0.3000	0.0152	-0.0148	
	0.8881	8.8488	16.4288	-86.4788	10.8881	-8.4781	387.8887	17.2117	0.8021	0.0188	-0.0143	
	-2.7777	4.3375	17.0888	-48.1488	15.5213	-8.2388	291.3448	13.8888	0.6298	0.0083	-0.0102	

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