

spmatrix import — Import weighting matrix from text file[Description](#)
[Option](#)[Quick start](#)
[Remarks and examples](#)[Menu](#)
[Also see](#)[Syntax](#)

Description

`spmatrix import` reads files created by `spmatrix export`.

Quick start

Create spatial weighting matrix `Wme` by importing file `wmat.txt`

```
spmatrix import Wme using wmat.txt
```

Menu

Statistics > Spatial autoregressive models

Syntax

```
spmatrix import spmatname using filename [ , replace ]
```

spmatname will be the name of the weighting matrix that is created.

filename is the name of a file with or without the default `.txt` suffix.

Option

`replace` specifies that weighting matrix *spmatname* in memory be overwritten if it already exists.

Remarks and examples

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`spmatrix import` reads files written in a particular text-file format. The format is described in [\[SP\] spmatrix export](#). Such a file might be named `contig.txt`. To read the file and store the matrix in `Sp` spatial weighting matrix `Wcontig`, type

```
. spmatrix import Wcontig using contig.txt
```

or

```
. spmatrix import Wcontig using contig
```

The file extension `.txt` is assumed.

2 `spmatrix import` — Import weighting matrix from text file

The file is read and stored as is. Presumably, the user who created the matrix normalized it, but if not, you can normalize it by typing

```
. spmatrix normalize Wcontig
```

By default, `spmatrix normalize` uses spectral normalization, but you can specify a different normalization using the `normalize()` option. See [\[SP\] `spmatrix normalize`](#).

Also see

[\[SP\] `spmatrix`](#) — Categorical guide to the `spmatrix` command

[\[SP\] `spmatrix export`](#) — Export weighting matrix to text file

[\[SP\] `spmatrix normalize`](#) — Normalize weighting matrix

[\[SP\] `Intro`](#) — Introduction to spatial data and SAR models

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