Title

> **spmatrix import —** Import weighting matrix from text file

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

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.

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