<div style="border:1px solid black; padding:10px;">

spmatrix save — Save spatial weighting matrix to file

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Description

spmatrix save saves the specified spatial weighting matrix to disk. You can later load the matrix using spmatrix use.

spmatname is saved to disk but is not dropped from memory. If you wish to eliminate the matrix from memory, see [SP] **spmatrix drop**.

Quick start

Save spatial weighting matrix W in file w.stswm

    spmatrix save W using w.stswm

Menu

Statistics > Spatial autoregressive models

Syntax

    spmatrix save *spmatname* using *filename* [, replace]

spmatname is the name of an existing weighting matrix.

filename is the name of a file with or without the .stswm suffix.

Option

replace specifies that *filename* be overwritten if it already exists.

Remarks and examples

Saving spatial weighting matrices in files allows you to use them from one session to the next.

It is easy to lose track of which files contain which matrices. It can be useful to set the weighting matrix's note as a reminder:

    . spmatrix note Wme: inverse-distance first-order contiguity matrix
    . spmatrix save Wme using wme
      (matrix **Wme** saved in file **wme.stswm**)

spmatrix use will display the note when it loads the file:

    . spmatrix use W1 using wme
      (inverse-distance first-order contiguity matrix)

The name you specify when you use the matrix is not required to match the name you used when you saved it.

Also see

[SP] **spmatrix** — Categorical guide to the spmatrix command

[SP] **spmatrix export** — Export weighting matrix to text file

[SP] **spmatrix use** — Load spatial weighting matrix from file

[SP] **Intro** — Introduction to spatial data and SAR models