

How can I handle the “matsize too small” error?

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July 1, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I handle the “matsize too small” error?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=163270>

The "matsize too small" error occurs when the size of a matrix is insufficient to perform a desired operation. To handle this error, the matrix size can be increased by adding more rows or columns, or by using a different matrix with larger dimensions. Alternatively, the operation itself can be modified to accommodate smaller matrix sizes. Careful consideration of the data and the desired outcome is necessary in order to effectively handle this error.

How can I handle the "matsize too small" error? | Stata FAQ

You may run an ANOVA, or Regression, or some other estimation procedure in Stata and get the error...

**too many variables or values (matsize too small)
r(146);**

By default, Stata only allocates enough memory for up to 40 predictors.

Even small ANOVA or regression models can exceed this limit when you include

interaction terms or dummy variables. You can increase the matsize

to permit up to 200 variables as shown below.

set matsize 200

Keep increasing the value of matsize until you no

longer get the error above. The value of matsize you choose lasts as long as your Stata session, and would need to be set again if you quit Stata. Or, you can use the permanently option and the value will be remembered even after you close and restart Stata, for example

```
set matsize 200, permanently
```

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