

MGARCH: An R Package for Fitting Multivariate GARCH Models

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Multivariate GARCH processes have been found useful in the analysis of volatility spillovers between several heteroskedastic time series. This phenomenon can frequently be observed in the behaviour of series of returns on stocks.

Our package can fit several MGARCH specifications to data, such as the MGARCH-BEKK and the DCC models. The package's functionality includes easy model diagnostics and model simulation, as well as real-world examples from finance. A comprehensive manual is also available.

References

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