

Package ‘gretlR’

June 14, 2020

Type Package

Title Knit-Engine for 'Gretl'

Version 0.1.0

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Description It allows running 'gretl' (<<http://gretl.sourceforge.net/index.html>>) program from R Markdown. 'gretl' ('Gnu' Regression, 'Econometrics', and Time-series Library) is a statistical software for Econometric analysis. This package serves as a 'gretl' Knit-Engine for 'knitr' package. Write all your 'gretl' commands in R Markdown chunk.

Depends R (>= 3.2.3)

Imports knitr (>= 1.20)

SystemRequirements gretl (>= 1.9.4)

License GPL

URL <https://github.com/sagirumati/gretlR/>

BugReports <https://github.com/sagirumati/gretlR/issues>

Encoding UTF-8

VignetteBuilder knitr

RoxygenNote 7.1.0

NeedsCompilation no

Repository CRAN

LazyData true

Date/Publication 2020-06-14 16:10:02 UTC

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`eng_gretl`*Package to Run gretl Scripts from R Markdown*

Description

This package runs on top of knitr to facilitate communication with gretl. Run gretl scripts from R Markdown document.

Usage

```
eng_gretl(options)
```

Arguments

<code>options</code>	Chunk options, as provided by knitr during chunk execution. Chunk option for this is <code>gretl</code>
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Details

The `gretl` can be activated via

```
knitr::knit_engines$set(gretl = gretlR::eng_gretl)
```

This will be set within an R Markdown document's setup chunk.

Value

Set of `gretl` (Gnu Regression, Econometrics and Time-series Library) codes

Author(s)

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References

Bob Rudis (2015). Running Go language chunks in R Markdown (Rmd) files. Available at: <https://gist.github.com/hrbrmstr/9a>

Yihui Xie (2019). knitr: A General-Purpose Package for Dynamic Report Generation in R. R package version 1.24.

Yihui Xie (2015) Dynamic Documents with R and knitr. 2nd edition. Chapman and Hall/CRC. ISBN 978-1498716963

Yihui Xie (2014) knitr: A Comprehensive Tool for Reproducible Research in R. In Victoria Stodden, Friedrich Leisch and Roger D. Peng, editors, Implementing Reproducible Computational Research. Chapman and Hall/CRC. ISBN 978-1466561595

Examples

```
knitr::knit_engines$set(gretl = gretlR::eng_gretl)
## Not run:

library(gretlR)

# Copy and paste the following chunk in R Markdown document

```${gretl gretlR,eval=T,echo=F,comment=NULL}
nulldata 500
set seed 13
gretl1 = normal()
gretl2 = normal()
setobs 12 1980:01 --time-series
gnuplot gretl1 --time-series --with-lines --output="line.png"
gnuplot gretl2 gretl1 --output="scatter.png"
ols gretl1 const gretl2
modeltab add
tabprint --output="ols.Rmd"
eqnprint --output="olsmodel.Rmd"
tabprint --output="ols.csv"
```

## End(Not run)
```

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