

Package ‘DynareR’

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Type Package

Title A Seamless Integration of 'R' and 'Dynare'

Version 0.1.0

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Description It allows running 'Dynare' program from R Markdown. 'Dynare' is a software platform for handling a wide class of economic models, in particular dynamic stochastic general equilibrium ('DSGE') and overlapping generations ('OLG') models. This package serves as a 'Dynare' Knit-Engine for 'knitr' package. The package requires 'Dynare' 4.6.1 (<<https://dynare.org>>) and 'Octave' 5.2.0 (<<https://www.gnu.org/software/octave/download.html>>). Write all your 'Dynare' commands in R Markdown chunk.

Depends R (>= 3.2.3)

Imports knitr (>= 1.20)

SystemRequirements Dynare (>= 4.6.1), Octave (=5.2.0)

Suggests rmarkdown

License GPL

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

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

Encoding UTF-8

VignetteBuilder knitr

RoxygenNote 7.1.0

NeedsCompilation no

Repository CRAN

LazyData true

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R topics documented:

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DynareR: A Seamless Integration of R and Dynare

Description

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

Usage

```
eng_dynare(options)
```

Arguments

options	Chunk options, as provided by knitr during chunk execution. Chunk option for this is dynare
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Details

The dynare can be activated via

```
knitr::knit_engines$set(dynare = DynareR::eng_dynare)
```

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

Value

Set of Dynare (open-source software for DSGE modelling) codes

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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(dynare = DynareR::eng_dynare)  
library(DynareR)
```

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