macro_quarto

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```r
library(readrba)
library(readabs)
```

Environment variable 'R_READABS_PATH' is unset. Downloaded files will be saved in a temporary
You can set 'R_READABS_PATH' at any time. To set it for the rest of this session, use
    Sys.setenv(R_READABS_PATH = <path>)

```r
library(quantmod)
```

Loading required package: xts

Loading required package: zoo

Attaching package: 'zoo'

The following objects are masked from 'package:base':

    as.Date, as.Date.numeric

Loading required package: TTR

Registered S3 method overwritten by 'quantmod':
  method   from
  as.zoo.data.frame zoo

```
# AUD/USD exchange rate quarterly
usdex_rate <- read_rba(series_id = "FXRUSD")
usd_ex_rate <- to.quarterly(xts(usdex_rate$value, usdex_rate$date), OHLC = FALSE)


# Australia real gdp seasonal adjusted quarterly
real_gdp <- read_rba(series_id = "GGDPCVGDP")


#international trade s_monthly
intertrade <- read_abs(series_id = "A2718603V")
```

Finding URLs for tables corresponding to ABS series IDA2718603V

Attempting to download files from series IDA2718603V, International Trade in Goods

Extracting data from downloaded spreadsheets

Tidying data from imported ABS spreadsheets

```
inter_trade <- to.quarterly(xts(intertrade$value, intertrade$date), OHLC = FALSE)


#cash rate/interest rate of AUS
cashrate<- read_cashrate(type = c("target"))
cash_rate<- to.quarterly(xts(cashrate$value, cashrate$date), OHLC = FALSE)


browse_rba_series("real gdp")
```

```
# A tibble: 3 x 8
  table_no series        series_id series_type table_title cur_hist description
  <chr>    <chr>         <chr>     <chr>        <chr>       <chr>    <chr>
1 H1       Real GDP      GGDPCVGDP Seasonally~  H1 Gross D~ current  Gross dome~
2 H1       Year-ended re~ GGDPCVGD~ Seasonally~ H1 Gross D~ current  Gross dome~
3 H1       Year-ended re~ GGDPCVGD~ Seasonally~ H1 Gross D~ current  Gross dome~
# i 1 more variable: frequency <chr>
```

```
read_rba(series_id = "GGDPCVGDP")
```

```
# A tibble: 258 x 11
   date       series    value frequency series_type          units source pub_date
   <date>     <chr>     <dbl> <chr>     <chr>                <chr> <chr>  <date>
 1 1959-09-30 Real GDP  74022 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 2 1959-12-31 Real GDP  74685 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 3 1960-03-31 Real GDP  75059 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 4 1960-06-30 Real GDP  77125 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 5 1960-09-30 Real GDP  77299 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 6 1960-12-31 Real GDP  77150 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 7 1961-03-31 Real GDP  77381 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 8 1961-06-30 Real GDP  76533 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
 9 1961-09-30 Real GDP  75983 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
10 1961-12-31 Real GDP  76846 Quarterly Seasonally adjus~    $ mi~ ABS    2024-03-07
# i 248 more rows
# i 3 more variables: series_id <chr>, description <chr>, table_title <chr>
```