

Example

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1 R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
##  Median:15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

```
head(cars)
```

```
##  speed dist
## 1     4    2
## 2     4   10
## 3     7    4
## 4     7   22
## 5     8   16
## 6     9   10
```

2 Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

3 Caching

The GHA workflow maintains cached *knitr* results between subsequent runs to reduce runtime. Caching can be enabled by specifying `cache=TRUE` in the code chunk header.

Note that this should be used with caution, as caches may become invalid when code is changed, potentially leading to unsuspected results.

```
## Run with caching enabled
Sys.time()
```

```
## [1] "2022-09-01 11:05:23 UTC"
```

Session info

Session info

```
## [1] "2022-09-01 11:05:23 UTC"
```

```

## - Session info -----
## setting value
## version R version 4.1.3 (2022-03-10)
## os      Ubuntu 20.04.4 LTS
## system  x86_64, linux-gnu
## ui      X11
## language (EN)
## collate C.UTF-8
## ctype   C.UTF-8
## tz      UTC
## date    2022-09-01
## pandoc  2.14.2 @ /usr/bin/ (via rmarkdown)
##
## - Packages -----
## ! package      * version date (UTC) lib source
## P bslib         0.3.1   2021-10-06 [?] CRAN (R 4.1.3)
## P cli           3.2.0   2022-02-14 [?] CRAN (R 4.1.3)
## P codetools     0.2-18  2020-11-04 [2] CRAN (R 4.1.3)
## P colorspace    2.0-3   2022-02-21 [?] CRAN (R 4.1.3)
## P crayon        1.5.0   2022-02-14 [?] CRAN (R 4.1.3)
## P digest        0.6.29  2021-12-01 [?] CRAN (R 4.1.3)
## P ellipsis      0.3.2   2021-04-29 [?] CRAN (R 4.1.3)
## P evaluate      0.15    2022-02-18 [?] CRAN (R 4.1.3)
## P fansi         1.0.2   2022-01-14 [?] CRAN (R 4.1.3)
## P farver        2.1.0   2021-02-28 [?] CRAN (R 4.1.3)
## P fastmap       1.1.0   2021-01-25 [?] CRAN (R 4.1.3)
## P ggplot2       * 3.3.5   2021-06-25 [?] CRAN (R 4.1.3)
## P glue          1.6.2   2022-02-24 [?] CRAN (R 4.1.3)
## P gtable        0.3.0   2019-03-25 [?] CRAN (R 4.1.3)
## P highr         0.9     2021-04-16 [?] CRAN (R 4.1.3)
## P htmltools     0.5.2   2021-08-25 [?] CRAN (R 4.1.3)
## P jquerylib     0.1.4   2021-04-26 [?] CRAN (R 4.1.3)
## P jsonlite      1.8.0   2022-02-22 [?] CRAN (R 4.1.3)
## P knitr         1.37    2021-12-16 [?] CRAN (R 4.1.3)
## P labeling      0.4.2   2020-10-20 [?] CRAN (R 4.1.3)
## P lifecycle     1.0.1   2021-09-24 [?] CRAN (R 4.1.3)
## P magrittr      2.0.2   2022-01-26 [?] CRAN (R 4.1.3)
## P munsell       0.5.0   2018-06-12 [?] CRAN (R 4.1.3)
## P pillar        1.7.0   2022-02-01 [?] CRAN (R 4.1.3)
## P pkgconfig     2.0.3   2022-09-01 [?] Github (r-lib/pkgconfig@b81ae03)
## P R6            2.5.1   2021-08-19 [?] CRAN (R 4.1.3)
## P renv          0.15.4  2022-03-03 [?] CRAN (R 4.1.3)
## P rlang         1.0.2   2022-03-04 [?] CRAN (R 4.1.3)
## P rmarkdown     2.13    2022-03-10 [?] CRAN (R 4.1.3)
## P sass          0.4.0   2021-05-12 [?] CRAN (R 4.1.3)
## P scales        1.1.1   2020-05-11 [?] CRAN (R 4.1.3)
## P sessioninfo   1.2.2   2021-12-06 [?] CRAN (R 4.1.3)
## P stringi       1.7.6   2021-11-29 [?] CRAN (R 4.1.3)
## P stringr       1.4.0   2019-02-10 [?] CRAN (R 4.1.3)
## P tibble        3.1.6   2021-11-07 [?] CRAN (R 4.1.3)
## P utf8          1.2.2   2021-07-24 [?] CRAN (R 4.1.3)
## P vctrs         0.3.8   2021-04-29 [?] CRAN (R 4.1.3)
## P withr         2.5.0   2022-03-03 [?] CRAN (R 4.1.3)
## P xfun          0.30    2022-03-02 [?] CRAN (R 4.1.3)

```

```
## P yaml          2.3.5    2022-02-21 [?] CRAN (R 4.1.3)
##
## [1] /home/runner/work/PDAEuroBioc22/PDAEuroBioc22/renv/library/R-4.1/x86_64-pc-linux-gnu
## [2] /opt/R/4.1.3/lib/R/library
##
## P -- Loaded and on-disk path mismatch.
##
## -----
```