

# Convert Jupyter Files to RMD

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```
options(knitr.duplicate.label = 'allow')

library(tidyverse)
library(tidyr)
library(rmarkdown)
library(knitr)
library(kableExtra)
# file name
st_file_name = 'fs_convert_jupyter2rmd'
# Generate R File
try(purl(paste0(st_file_name, ".Rmd"), output=paste0(st_file_name, ".R"), documentation = 2))
# Generate PDF and HTML
# rmarkdown::render("C:/Users/fan/R4Econ/support/array/fs_meshr.Rmd", "pdf_document")
# rmarkdown::render("C:/Users/fan/R4Econ/support/array/fs_meshr.Rmd", "html_document")
```

## Jupyter Files and RMD

Rmarkdown in Rstudio is easier for debugging, and allows for easier interaction with current workspace.

### Single Jupyter to RMD conversion

Rmarkdown has a conversion program: [convert\\_ipynb](#).

```
# Generate Paths
spt_file_root = 'C:/Users/fan/Stat4Econ/descriptive/'
spt_file_name = 'DataBasketball'
spt_file_full_ipynb = paste0(spt_file_root, spt_file_name, '.ipynb')
spt_file_full_rmd = paste0(spt_file_root, spt_file_name, '.rmd')

# Convert from IPYNB to RMD
file_nb_rmd = rmarkdown::convert_ipynb(spt_file_full_ipynb)
st_nb_rmd = xfun::file_string(file_nb_rmd)

# Save RMD
fileConn <- file(spt_file_full_rmd)
writeLines(st_nb_rmd, fileConn)
close(fileConn)

# Convert to PDF and HTML
rmarkdown::render(spt_file_full_rmd, "pdf_document")

##
##
## processing file: DataBasketball.rmd
## |
## ordinary text without R code
```

```

##
## |
## label: unnamed-chunk-1-2
## Warning in in_dir(input_dir(), evaluate(code, envir = env, new_device = FALSE, : You changed the
## working directory to C:/Users/fan/Stat4Econ/data (probably via setwd()). It will be restored to
## C:/Users/fan/Stat4Econ/descriptive. See the Note section in ?knitr::knit
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-3
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-4
## |
## ordinary text without R code
## output file: DataBasketball.knit.md
## "C:/Program Files/RStudio/bin/pandoc/pandoc" +RTS -K512m -RTS DataBasketball.utf8.md --to latex --fr
##
## Output created: DataBasketball.pdf
rmarkdown::render(spt_file_full_rmd, "html_document")
##
##
## processing file: DataBasketball.rmd
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-1-2
## Warning in in_dir(input_dir(), evaluate(code, envir = env, new_device = FALSE, : You changed the
## working directory to C:/Users/fan/Stat4Econ/data (probably via setwd()). It will be restored to
## C:/Users/fan/Stat4Econ/descriptive. See the Note section in ?knitr::knit
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-3
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-4
## |
## ordinary text without R code
## output file: DataBasketball.knit.md
## "C:/Program Files/RStudio/bin/pandoc/pandoc" +RTS -K512m -RTS DataBasketball.utf8.md --to html4 --fr

```

```
##
## Output created: DataBasketball.html
```

## Multiple Jupyter to RMD conversion

Search in folder for ipynb files, and then convert collectively to Rmd.

```
# Generate Paths
spt_file_root = 'C:/Users/fan/Stat4Econ/descriptive/'
spt_file_name = 'DataBasketball'
spt_file_full_ipynb = paste0(spt_file_root, spt_file_name, '.ipynb')
spt_file_full_rmd = paste0(spt_file_root, spt_file_name, '.rmd')

# Convert from IPYNB to RMD
file_nb_rmd = rmarkdown::convert_ipynb(spt_file_full_ipynb)
st_nb_rmd = xfun::file_string(file_nb_rmd)

# Save RMD
fileConn <- file(spt_file_full_rmd)
writeLines(st_nb_rmd, fileConn)
close(fileConn)

# Convert to PDF and HTML
rmarkdown::render(spt_file_full_rmd, "pdf_document")
```

```
##
##
## processing file: DataBasketball.rmd
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-1-2
##
## Warning in in_dir(input_dir(), evaluate(code, envir = env, new_device = FALSE, : You changed the
## working directory to C:/Users/fan/Stat4Econ/data (probably via setwd()). It will be restored to
## C:/Users/fan/Stat4Econ/descriptive. See the Note section in ?knitr::knit
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-3
## |
## ordinary text without R code
##
## |
## label: unnamed-chunk-4
## |
## ordinary text without R code
##
## output file: DataBasketball.knit.md
## "C:/Program Files/RStudio/bin/pandoc/pandoc" +RTS -K512m -RTS DataBasketball.utf8.md --to latex --fr
##
## Output created: DataBasketball.pdf
```

```
rmarkdown::render(spt_file_full_rmd, "html_document")
```

```
##
```

```
##
```

```
## processing file: DataBasketball.rmd
```

```
## |
```

```
## ordinary text without R code
```

```
##
```

```
## |
```

```
## label: unnamed-chunk-1-2
```

```
## Warning in in_dir(input_dir(), evaluate(code, envir = env, new_device = FALSE, : You changed the
```

```
## working directory to C:/Users/fan/Stat4Econ/data (probably via setwd()). It will be restored to
```

```
## C:/Users/fan/Stat4Econ/descriptive. See the Note section in ?knitr::knit
```

```
## |
```

```
## ordinary text without R code
```

```
##
```

```
## |
```

```
## label: unnamed-chunk-3
```

```
## |
```

```
## ordinary text without R code
```

```
##
```

```
## |
```

```
## label: unnamed-chunk-4
```

```
## |
```

```
## ordinary text without R code
```

```
## output file: DataBasketball.knit.md
```

```
## "C:/Program Files/RStudio/bin/pandoc/pandoc" +RTS -K512m -RTS DataBasketball.utf8.md --to html4 --fr
```

```
##
```

```
## Output created: DataBasketball.html
```