| **type** | **title** | **text** | **code** | **option** |
| --- | --- | --- | --- | --- |
| title |  | R package `rrtable` |  |  |
| subtitle |  | Reproducible Research with a Table of R codes |  |  |
| author |  | Keon-Woong Moon |  |  |
|  |  | If you are a data scientist or researcher, you will certainly be interested in reproducible research. |  |  |
|  |  | R package `rrtable` makes it possible to make reports with HTML, LaTex, MS word or MS Powerpoint formats from a table of R codes. |  |  |
| header2 | Package Installation | You can install R package `rrtable` with the following command. | if(!require(devtools)){ install.packages("devtools") } | echo=TRUE,eval=FALSE |
|  |  |  | devtools::install\_github("cardiomoon/rrtable") |  |
| header2 | Package Loading | You can load the `rrtable` package with the following R command. | require(rrtable) | echo=TRUE |
| header2 | Sample Data | Sample data sampleData3 is included in rrtable package. You can see the sampleData3 by folllowing R command. | str(sampleData3) | echo=TRUE |
|  |  | Or you can make a table of this data | df2flextable2(sampleData3[9,]) |  |
|  |  |  | df2flextable2(sampleData3) |  |
| header3 | mytable object | You can add mytable object with the following R code. | df2flextable2(sampleData3[11,]) | echo=FALSE |
| mytable |  |  | mytable(Dx~.,data=acs) |  |
| header3 | Plot | You can insert a plot into your document. | df2flextable2(sampleData3[13,]) | echo=FALSE |
| plot |  |  | plot(iris) |  |
| header3 | ggplot | You can insert a ggplot into a document | df2flextable2(sampleData3[15,]) | echo=FALSE |
| ggplot |  |  | ggplot(iris,aes(x=Sepal.Length,y=Sepal.Width,color=Species))+geom\_point() |  |
| header3 | R code | You can insert the result of R code. For example, you can insert the result of regression analysis. | df2flextable2(sampleData3[17,]) | echo=FALSE |
| Rcode |  |  | fit=lm(mpg~wt\*hp,data=mtcars);summary(fit) |  |
| header3 | Two ggplots | You can insert two parallel ggplots with the following code. | df2flextable2(sampleData3[19,]) | echo=FALSE |
| 2ggplots |  |  | ggplot(iris,aes(Sepal.Length,Sepal.Width))+geom\_point() |  |
|  |  |  | ggplot(iris,aes(Sepal.Length,Sepal.Width,colour=Species))+geom\_point()+guides(colour=FALSE) |  |
| header3 | Two plots | You can insert two parallel plots with the following code. | df2flextable2(sampleData3[21,]) | echo=FALSE |
| 2plots |  |  | hist(rnorm(1000)) |  |
|  |  |  | plot(1:10) |  |
| header2 | HTML Report | You can get report with HTML format(this file) by following R command. | data2HTML(sampleData3) | echo=TRUE,eval=FALSE |