

# R Markdown Workshop

Under the guidance of the Dean of the Faculty of Science, the Statistical Analysis Unit, in collaboration with the Department of Statistics, organized a training workshop on Wednesday, October 23, 2024. The workshop was aimed at faculty members and graduate students in the department and focused on using RMarkdown. Dr. Ayat Al-Momani led the workshop, aiming to introduce participants to RMarkdown and how to use it as a tool for presenting data analysis results professionally.

The workshop showcased RMarkdown's capabilities, allowing users to write text using LaTeX, insert graphs and links, and control the execution and display of code outputs. This tool enables participants to create dynamic reports and presentations in various formats, such as PDF, Word, and HTML, in addition to presentation formats like PowerPoint, HTML, and PDF, with the possibility to use Shiny for adding interactivity to files and presentations.

The use of RMarkdown helps faculty streamline the presentation of applied statistics lectures and helps students in submitting their assignments and reports professionally. Skills in RMarkdown and Shiny are highly sought in the job market for statisticians and data scientists.



```
1 ---
2 title: "R Markdown report"
3 date: "`r format(Sys.Date())`"
4 ---
5
6 This is an [R Markdown](http://rmarkdown.rstudio.com) document.
7 You can write a combination of markdown and code.
8
9 ## Writing R Markdown in DSS
10
11 ### R code
12
13 You can use Dataiku R API.
14
15 ```{r}
16 library(dataiku)
17 df <- iris
18 #df <- dkuReadDataset("YOUR_DATASET_NAME", samplingMethod="
19 plot(df)
20 ```
21
22 <!-- The R environment is shared across blocks -->
```

**R Markdown report**

2024-08-06

This is an R Markdown document. You can write a combination of **markdown** and **code**.

## Writing R Markdown in DSS

### R code

You can use Dataiku R API.

```
library(dataiku)
df <- iris
#df <- dkuReadDataset("YOUR_DATASET_NAME", samplingMethod="head", nbRows=10000)
plot(df)
```