

M46 - how to share your shiny apps

LearningSpoonsR

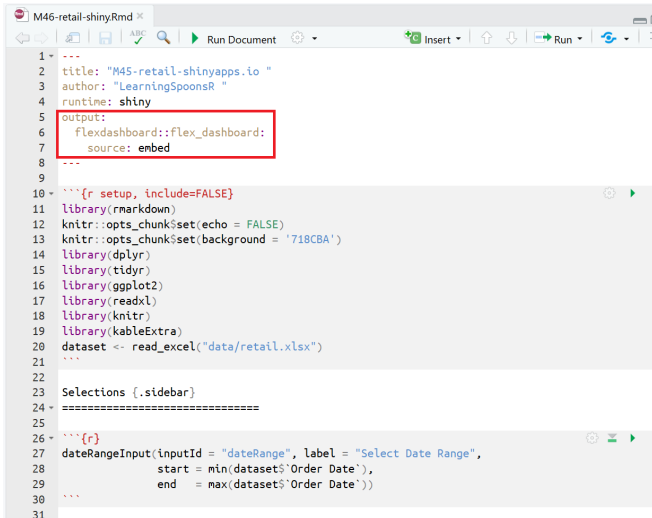
2018-07-17

공유를 위한 Shiny 코드 작성

- 헤더 부분에서 `source: embed`라는 옵션을 넣어주어야 share가 가능합니다.
- 헤더 부분에서는 띄어쓰기와 indent가 모두 정확해야 합니다.
- (indent(들여쓰기)의 단위는 더블 스페이스이며 이는 다른 rmd의 헤더에도 똑같이 적용됩니다. (띄어쓰기 두번))
- 관련된 모든 파일의 제목과 내용, 그리고 shiny 출력물이 모두 영어로만 되어있어야 함.
- Shiny code에 해당하는 .Rmd에서 불러오는 데이터 파일이나 소스코드는 sub-directory에 넣어두어야 함.
- (예를 들어 /data 폴더를 만들어서 데이터 파일을 저장하고 /source 폴더를 만들어서 함수등의 소스 코드를 저장)
- 문제 생기면 연락주세요!!

코드 (1/2)

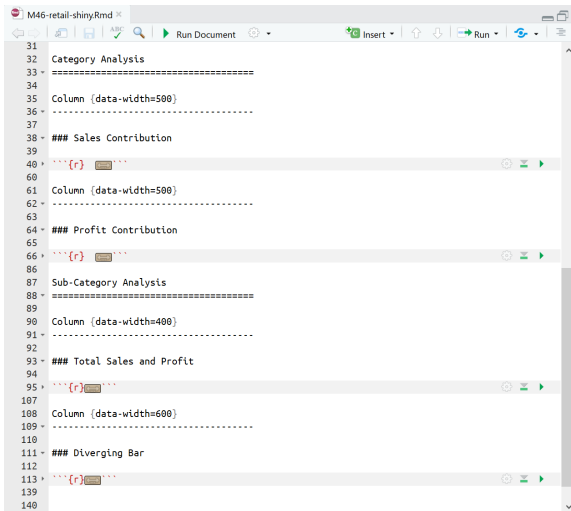
- 헤더 부분 주의!!



```
1 ---
2 title: "M45-retail-shinyapps.io "
3 author: "LearningSpoonsR "
4 runtime: shiny
5 output:
6   flexdashboard::flex_dashboard:
7     source: embed
8 ---
9
10 ```{r setup, include=FALSE}
11 library(rmarkdown)
12 knitr::opts_chunk$set(echo = FALSE)
13 knitr::opts_chunk$set(background = '718CBA')
14 library(dplyr)
15 library(tidyr)
16 library(ggplot2)
17 library(readxl)
18 library(knitr)
19 library(kableExtra)
20 dataset <- read_excel("data/retail.xlsx")
21 ```
22
23 Selections {.sidebar}
24 =====
25
26 ```{r}
27 dateRangeInput(inputId = "dateRange", label = "Select Date Range",
28               start = min(dataset$`Order Date`),
29               end   = max(dataset$`Order Date`))
30 ```
31
```

코드 (2/2)

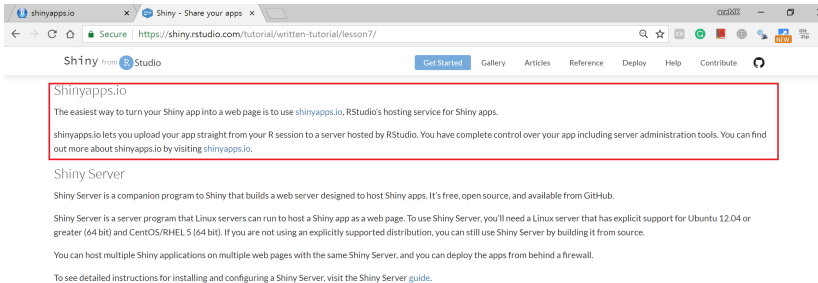
- Editor창 왼쪽의 Line 번호에서 접어주기 기능을 사용하면 긴 코드도 요약해서 볼 수 있습니다.



```
31
32 Category Analysis
33 =====
34
35 Column {data-width=500}
36 =====
37
38 ### Sales Contribution
39
40 ```{r}
41
42 Column {data-width=500}
43 =====
44
45 ### Profit Contribution
46
47 ```{r}
48
49 Sub-Category Analysis
50 =====
51
52 Column {data-width=400}
53 =====
54
55 ### Total Sales and Profit
56
57 ```{r}
58
59 Column {data-width=600}
60 =====
61
62 ### Diverging Bar
63
64 ```{r}
```

공유

- <https://shiny.rstudio.com/tutorial/written-tutorial/lesson7/>
- 여러가지 옵션이 있지만 Shinyapps.io에 공유합니다.



The screenshot shows a web browser window with the URL <https://shiny.rstudio.com/tutorial/written-tutorial/lesson7/>. The page header includes the Shiny logo and navigation links: Get Started, Gallery, Articles, Reference, Deploy, Help, and Contribute. The main content area is titled "Shinyapps.io" and contains the following text:

The easiest way to turn your Shiny app into a web page is to use shinyapps.io, RStudio's hosting service for Shiny apps.

shinyapps.io lets you upload your app straight from your R session to a server hosted by RStudio. You have complete control over your app including server administration tools. You can find out more about shinyapps.io by visiting shinyapps.io.

Shiny Server

Shiny Server is a companion program to Shiny that builds a web server designed to host Shiny apps. It's free, open source, and available from GitHub.

Shiny Server is a server program that Linux servers can run to host a Shiny app as a web page. To use Shiny Server, you'll need a Linux server that has explicit support for Ubuntu 12.04 or greater (64 bit) and CentOS/RHEL 5 (64 bit). If you are not using an explicitly supported distribution, you can still use Shiny Server by building it from source.

You can host multiple Shiny applications on multiple web pages with the same Shiny Server, and you can deploy the apps from behind a firewall.

To see detailed instructions for installing and configuring a Shiny Server, visit the [Shiny Server guide](#).

- <http://www.shinyapps.io>에서 회원 가입 및 로그인

shinyapps.io

✉ LearningSpoonsR@gmail.com

🔒

Log in

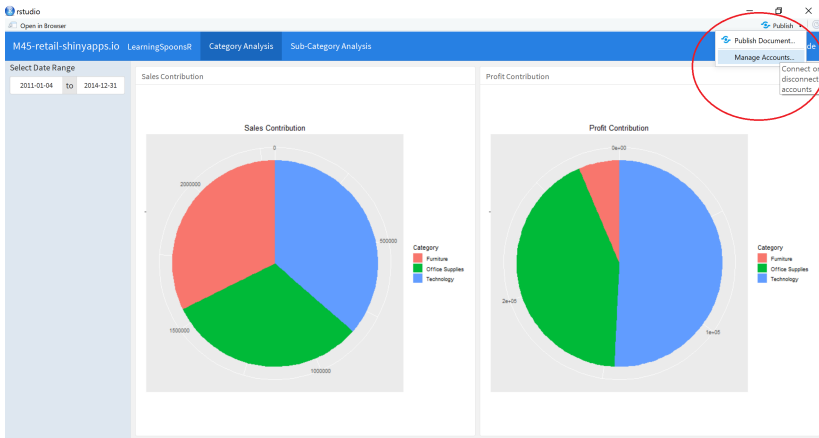
— or —

Log in with Google

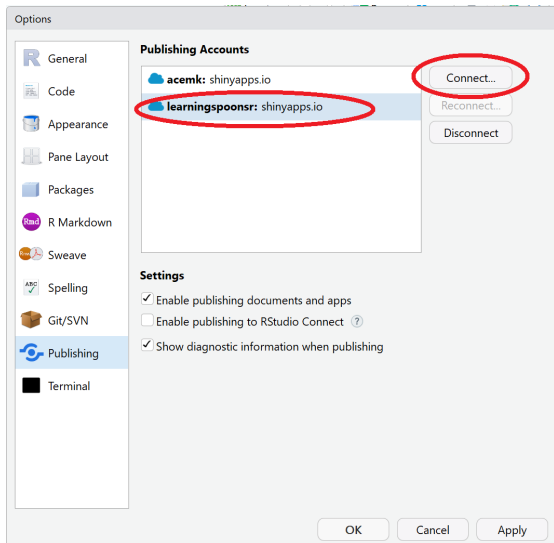
Log in with GitHub

[Forgot your password?](#) | [Sign up](#)

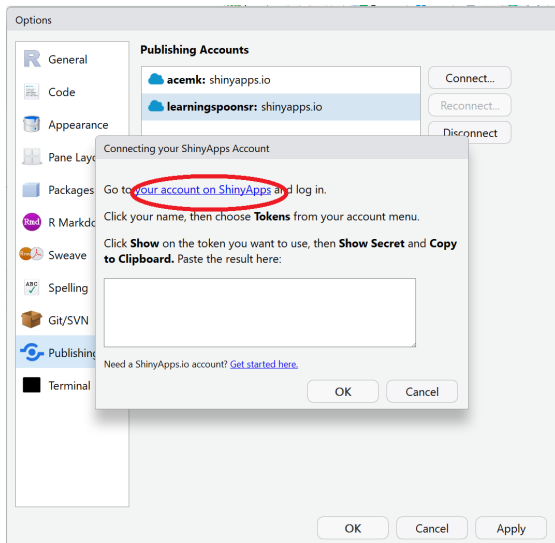
- Run Document를 하여 Shiny를 실행
- 오른쪽 위의 “Publish” 메뉴에서 “Manage Account”



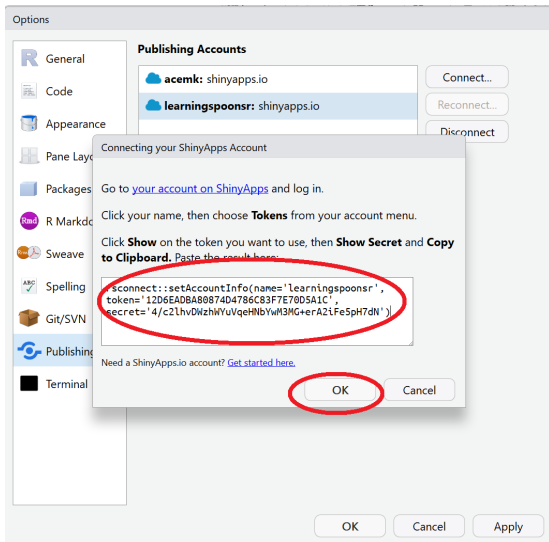
- “Connect” 버튼을 눌러서 계정 정보를 Rstudio에 입력시킴



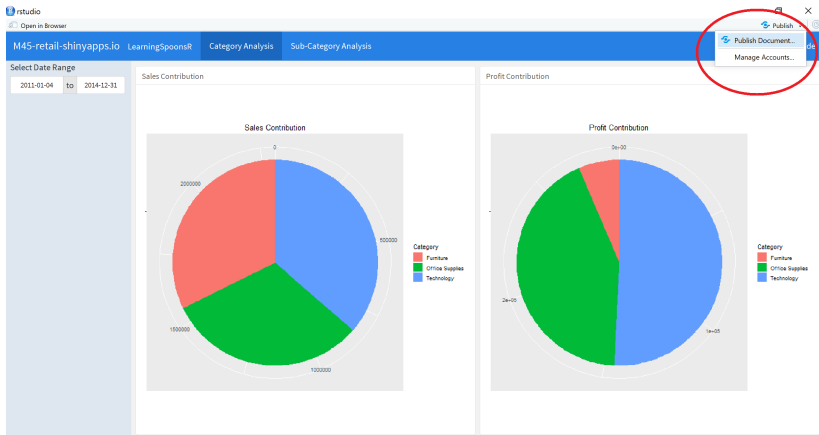
- 현재 팝업 윈도우의 과정을 모두 따라가면 계정 정보가 Rstudio에 연결이 됨



- 연결 완료!



- 계정 연결이 되었으므로 “Publish Document”를 실행



- Rstudio에서 “Deploy” 탭이 뜨면서 서버에 업로드가 진행됨

The screenshot displays the RStudio IDE interface. The main editor window shows an R script with the following code:

```
16 library(ggplot2)
17 library(readxl)
18 library(knitr)
19 library(kableExtra)
20 dataset <- read_excel("data/retail.xlsx")
21 ...
22
23 Selections {,sidebar}
24 =====
25
26 ...{r}
27 dateRangeInput(inputId = "dateRange", label = "Select Date Range",
28               start = min(dataset$`Order Date`),
29               end = max(dataset$`Order Date`))
30 ...
31
32 ...
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100 ...
```

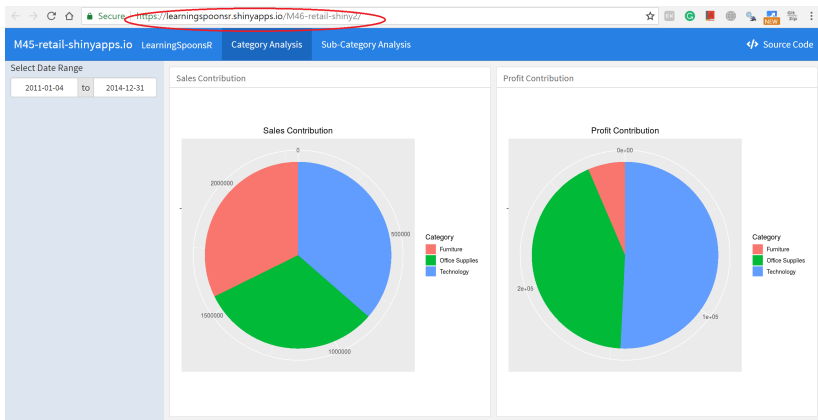
The 'Deploy' tab is highlighted with a red circle. The console output shows the following messages:

```
.../M46-retail-shiny2-retail-shiny[Z].Rmd
[1] LC_COLLATE=Korean_Korea.949 LC_CTYPE=Korean_Korea.949
[3] LC_MONETARY=Korean_Korea.949 LC_NUMERIC=C
[5] LC_TIME=Korean_Korea.949

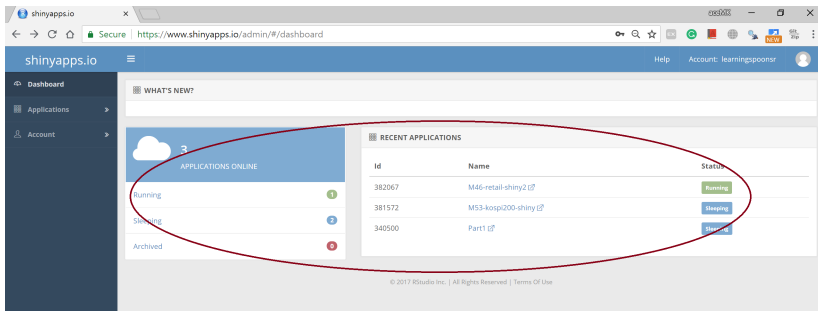
attached base packages:
[1] stats graphics grDevices utils datasets methods base

loaded via a namespace (and not attached):
[1] compiler_3.4.4 rsconnect_0.8.8
Cookies:
[1] "None"
GET /v1/applications/?filter=account_id:130388&filter=name:M46-retail-shiny2&count=100&offset=0 116ms
POST /v1/applications/ 116ms
{
  "name": "M46-retail-shiny2",
  "template": "shiny",
  "account": 130388
}
---- Bundle upload started at 2018-07-17 05:25:14 ----
[2018-07-17 05:25:14] Inferring App node and parameters
[2018-07-17 05:25:14] Bundling app dir
[2018-07-17 05:25:14] Create manifest.json
```

- 업로드된 앱은 인터넷 브라우저로 누구나 접속이 가능함



- shinyapps.io를 방문하면 현재 계정에서 업로드한 앱들의 정보를 볼 수 있음

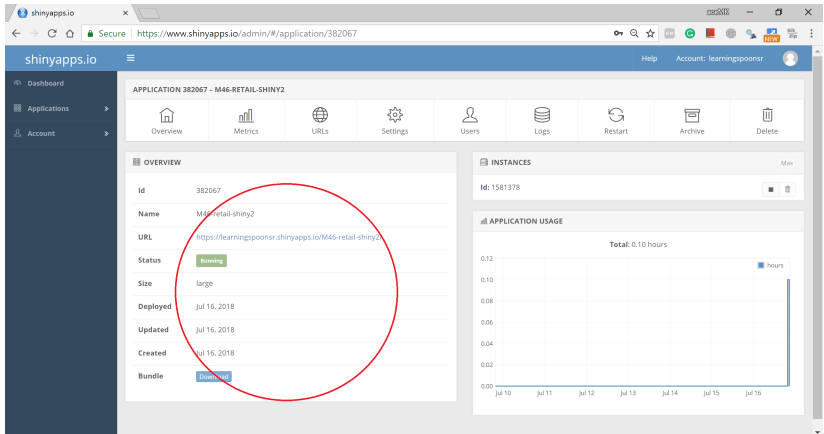


The screenshot shows the shinyapps.io admin dashboard. A red oval highlights the 'APPLICATIONS ONLINE' section on the left and the 'RECENT APPLICATIONS' table on the right. The 'APPLICATIONS ONLINE' section shows a cloud icon with the number 3, and a list of application statuses: Running (1), Sleeping (2), and Archived (3). The 'RECENT APPLICATIONS' table lists three applications with their IDs, names, and status buttons.

Id	Name	Status
382067	M46-retail-shiny2 🔗	Running
381572	M53-kospi200-shiny 🔗	Sleeping
340500	Part1 🔗	Sleeping

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- 서버에 올려진 M46 샤이니 앱에 대한 정보



"Thank you"

```
## [1] "Thank you"
```