

Writing Code in R Markdown



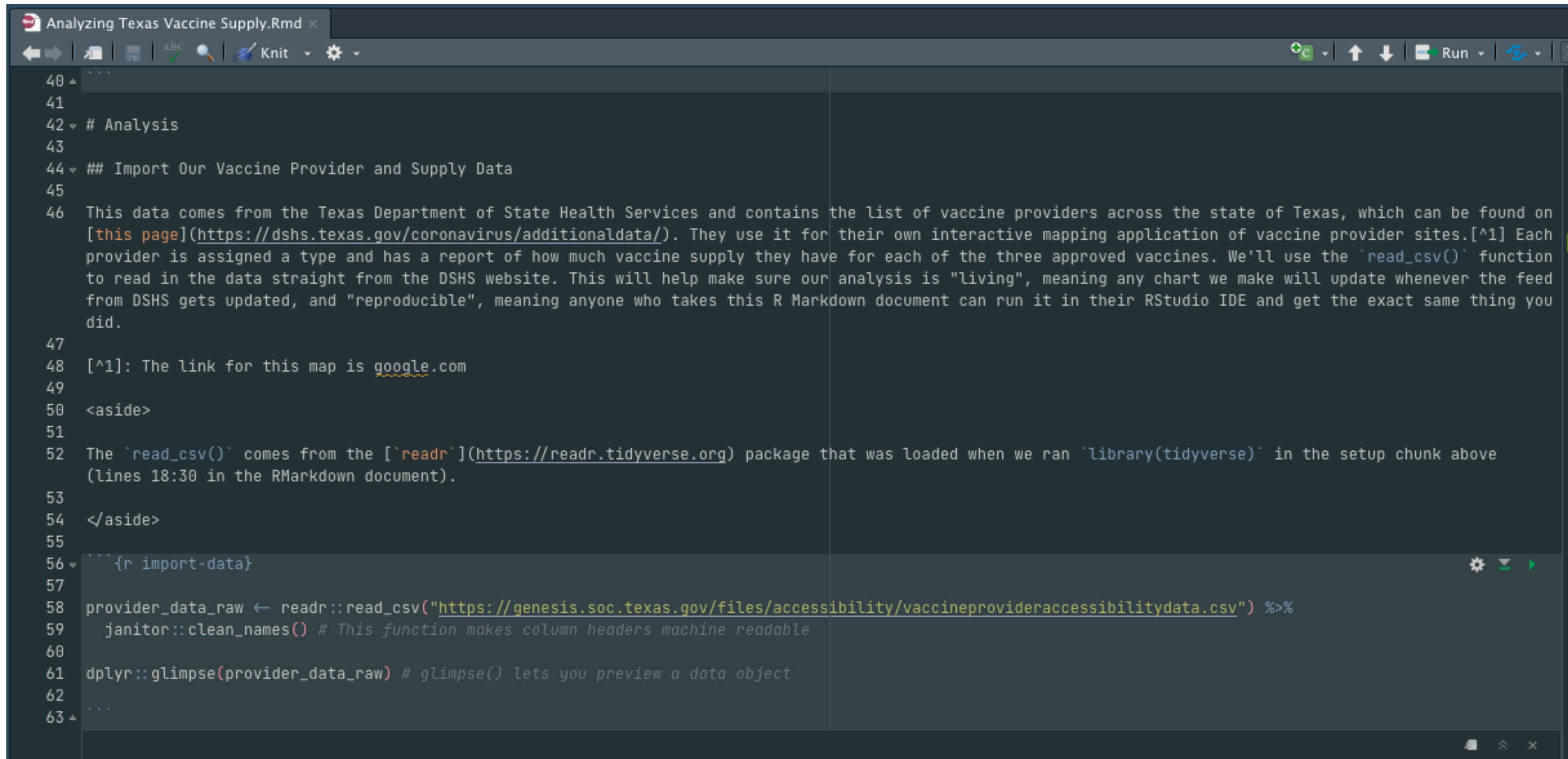
The screenshot shows the RStudio interface with a file named "Analyzing Texas Vaccine Supply.Rmd". The editor displays R Markdown code. The visible code includes a title, a section header "# Analysis", a sub-header "## Import Our Vaccine Provider and Supply Data", and a paragraph of text explaining the data source. A code chunk is shown with the following R code:

```
##{r import-data}
provider_data_raw <- read_csv("https://dshs.texas.gov/coronavirus/additionaldata/") %>%
  janitor::clean_names()
dplyr::glimpse(provider_data_raw) # glimpse() lets you preview a data object
```

The code chunk is titled "##{r import-data}" and contains three lines of R code. The first line uses `read_csv()` to import data from a URL. The second line uses `janitor::clean_names()` to clean the column names. The third line uses `dplyr::glimpse()` to preview the data object. The code is enclosed in a chunk block with a title and a closing tag.

Code Chunk in R Markdown

Writing Code in R Markdown



```
40 ...
41
42 # Analysis
43
44 ## Import Our Vaccine Provider and Supply Data
45
46 This data comes from the Texas Department of State Health Services and contains the list of vaccine providers across the state of Texas, which can be found on
\[this page\]\(https://dshs.texas.gov/coronavirus/additionaldata/\). They use it for their own interactive mapping application of vaccine provider sites.[^1] Each
provider is assigned a type and has a report of how much vaccine supply they have for each of the three approved vaccines. We'll use the read_csv() function
to read in the data straight from the DSHS website. This will help make sure our analysis is "living", meaning any chart we make will update whenever the feed
from DSHS gets updated, and "reproducible", meaning anyone who takes this R Markdown document can run it in their RStudio IDE and get the exact same thing you
did.
47
48 [^1]: The link for this map is google.com
49
50 <aside>
51
52 The read_csv() comes from the [readr](https://readr.tidyverse.org) package that was loaded when we ran library(tidyverse) in the setup chunk above
(lines 18:30 in the RMarkdown document).
53
54 </aside>
55
56 ```{r import-data}
57
58 provider_data_raw <- readr::read_csv("https://genesis.soc.texas.gov/files/accessibility/vaccineprovideraccessibilitydata.csv") %>%
59   janitor::clean_names() # This function makes column headers machine readable
60
61 dplyr::glimpse(provider_data_raw) # glimpse() lets you preview a data object
62
63 ...
```