Analyzing Texas Vaccine Supply.Rmd

```yaml
---
title: "Analyzing Vaccine Supply in Texas"
author:
- name: Matt Worthington
  url: https://example.com/norajones
  affiliation: The LBJ School of Public Affairs
  affiliation_url: https://example.com/spacelysprokets
date: "`r Sys.Date()`"
output:
  distill::distill_article:
    code_folding: yes
    toc: yes
    toc_float: yes
  pdf_document: default
  word_document:
    toc: yes
  html_document:
    theme: paper
    toc: true
    toc_float:
      collapsed: false
      smooth_scroll: false
description: |
  A living analysis of vaccine supply in Texas.
---

# Analysis Setup

Before we start building out our reproducible analysis, let's go ahead and make sure any R packages are loaded and installed properly. The code to install necessary packages and load them can be viewed by clicking on the "Show Code" arrow.

```{r setup, include = TRUE, echo=TRUE, warning = FALSE, message = FALSE}
```

144:23 Chunk 7: regression-chart R Markdown

Console Terminal R Markdown Jobs

.../Analyzing Texas Vaccine Supply/Analyzing Texas Vaccine Supply.Rmd

```
ordinary text without R code

  |.....................................................................| 100%
label: regression-equation

/Applications/RStudio.app/Contents/MacOS/pandoc/pandoc +RTS -K512m -RTS Analyzing-Texas-Vaccine-Supply.utf8.md --to html5 --from markdown+autolink_bare_uris+tex_math_single_backslash --output Analyzing-Texas-Vaccine-Supply.html --lua-filter /Library/Frameworks/R.framework/Versions/4.0/Resources/library/rmarkdown/rmarkdown/lua/pagebreak.lua --lua-filter /Library/Frameworks/R.framework/Versions/4.0/Resources/library/rmarkdown/rmarkdown/lua/latex-div.lua --self-contained --standalone --table-of-contents --toc-depth 3 --variable toc-float=1 --highlight-style /Library/Frameworks/R.framework/Versions/4.0/Resources/library/distill/rmarkdown/templates/distill_article/resources/arrow.theme --template /Library/Frameworks/R.framework/Versions/4.0/Resources/library/distill/rmarkdown/templates/distill_article/resources/default.html '--metadata=link-citations:true' --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd534f3aa8html --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd529b52a6html --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd76941652html --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd74459e4fhtml --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd69c902chtml --include-before-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd10bd3c18html --include-before-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd77b4543dhtml --include-before-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd6006ae30html --include-after-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd56960290html --include-after-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd12826859html --include-after-body /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd2f90b48dhtml --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/rmarkdown-str12ebd453dad60.html --mathjax --variable 'mathjax-url:https://mathjax.rstudio.com/latest/MathJax.js?config=TeX-AMS-MML_HTMLorMML' --include-in-header /var/folders/69/16b113z94w70vkfl_3838bg80000gn/T//Rtmp7osgpb/file12ebd54419d23html
output file: Analyzing-Texas-Vaccine-Supply.knit.md


Output created: Analyzing-Texas-Vaccine-Supply.html
```

Environment History Connections Git Tutorial

Import Dataset Grid

R Global Environment

Name	Type	Length	Size	Value
model_1	lm	13	1 MB	Large lm (13 elements, 1.1 …
provider_data_raw	spec_tbl_df	17	1.7 MB	3382 obs. of 17 variables
supply_chart	gg	9	71.5 KB	List of 9
supply_data	tbl_df	3	1.4 KB	3 obs. of 3 variables

Files Plots Packages Help Viewer

New Folder Delete Rename More

Home > Documents > Github Files > LBJ Repos > Analyzing Texas Vaccine Supply

Name	Size	Modified
..		
.gitignore	40 B	Mar 25, 2021, 12:15 PM
.RData	280.6 KB	Mar 25, 2021, 2:33 PM
.Rhistory	4.1 KB	Mar 25, 2021, 2:33 PM
Analyzing Texas Vaccine Supply.Rmd	6.6 KB	Mar 29, 2021, 2:34 PM
Analyzing Texas Vaccine Supply.Rproj	258 B	Mar 29, 2021, 12:15 PM
Analyzing-Texas-Vaccine-Supply.docx	41.5 KB	Mar 29, 2021, 2:32 PM
Analyzing-Texas-Vaccine-Supply.pdf	294.1 KB	Mar 29, 2021, 2:32 PM
clean_supply_data.csv	85 B	Mar 29, 2021, 2:34 PM
vaccine_supply_chart.png	172.4 KB	Mar 29, 2021, 2:34 PM
Analyzing Texas Vaccine Supply Workbook.Rmd	6.4 KB	Mar 29, 2021, 1:39 PM
Analyzing-Texas-Vaccine-Supply_HTML.html	1.4 MB	Mar 29, 2021, 2:33 PM
Analyzing-Texas-Vaccine-Supply.html	775.4 KB	Mar 29, 2021, 2:34 PM
```

Analyzing Texas Vaccine Supply.Rmd

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```
```

Analysis

Import Our Vaccine Provider and Supply Data

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.

[^1]: The link for this map is google.com

<aside>

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).

</aside>

```{r import-data}

provider_data_raw <- readr::read_csv("https://genesis.soc.texas.gov/files/accessibility/vaccineprovideraccessibilitydata.csv") %>%
  janitor::clean_names() # This function makes column headers machine readable

dplyr::glimpse(provider_data_raw) # glimpse() lets you preview a data object

```

Documents

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```

Analysis

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