

Analyzing Texas Vaccine Supply.Rmd

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1 ---

2 title: "Analyzing Vaccine Supply in Texas"

3 author:

4 - name: Matt Worthington

5 url: <https://example.com/norajones>

6 affiliation: The LBJ School of Public Affairs

7 affiliation_url: <https://example.com/spacelysprokets>

8 date: "`r Sys.Date()`"

9 output:

10 distill::distill_article:

11 code_folding: yes

12 toc: yes

13 toc_float: yes

14 pdf_document: default

15 word_document:

16 toc: yes

17 html_document:

18 theme: paper

19 toc: true

20 toc_float:

21 collapsed: false

22 smooth_scroll: false

23 description: |

24 A living analysis of vaccine supply in Texas.

25 ---

26

27 # Analysis Setup

28

29 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.

30

31

144:23

Chunk 7: regression-chart

R Markdown

Console

Terminal

R Markdown

Jobs

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

original 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/file12ebd76941652html --include-in-header /var/folders/69/16b113z94w70vkfL_3838bg80000gn/T//Rtmp7osgpb/file12ebd529b52a6html --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/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

Documents

(What You Wrote/Coded)

Analyzing Texas Vaccine Supply

Environment

History

Connections

Git

Tutorial

Import Dataset

Grid

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	gg	9	71.5 KB	List of 9
supply				

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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_charts	2.3 MB	Mar 29, 2021, 2:34 PM
Analyzing Texas Vaccine Supply.Rproj	258 B	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

Environment

(What You Are Making/Made)

Directory

(Where You're Working)

Documents

(What You Wrote/Coded)

Analyzing Texas Vaccine Supply.Rmd

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Knit ⚙

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 can follow the steps we took to make this analysis 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 }

Analysis... Analysis Import... Transf... Visual... Expor... Bonus Regre... Regr... Regr... Regr...

Environment History Connections Git Tutorial

Import Dataset 🖌

Grid ↺

R Global Environment 🔍

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supply_chart	gg	9	71.5 KB	List of 9 🔍
supply_data	tbl_df	3	1.4 KB	3 obs. of 3 variables 🗑

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Console Terminal R Markdown Jobs

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