

Topic ideas

STA 210 - Project

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```
library(tidyverse)
```

Project idea 1

Introduction and data

- State the source of the data set.
- Describe when and how it was originally collected (by the original data curator, not necessarily how you found the data)
- Describe the observations and the general characteristics being measured in the data

Research question

- Describe a research question you're interested in answering using this data.

Glimpse of data

- Use the `glimpse` function to provide an overview of the dataset

```
details <- readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2016/2016-01-12/details.csv')

detail_2016 <- details %>%
  filter(yearpublished == 2016)

glimpse(detail_2016)
```

Rows: 1,291

Columns: 23

\$ num	<dbl> 7, 12, 47, 54, 55, 57, 62, 78, 94, 97, 135, 14~
\$ id	<dbl> 167791, 169786, 204583, 205637, 193738, 201808~
\$ primary	<chr> "Terraforming Mars", "Scythe", "Kingdomino", "~
\$ description	<chr> "In the 2400s, mankind begins to terraform the~
\$ yearpublished	<dbl> 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016~
\$ minplayers	<dbl> 1, 1, 2, 1, 2, 2, 2, 1, 2, 2, 5, 1, 2, 2, 1, 2~
\$ maxplayers	<dbl> 5, 5, 4, 2, 4, 4, 4, 5, 8, 4, 10, 4, 8, 8, 4, ~
\$ playingtime	<dbl> 120, 115, 15, 120, 150, 60, 20, 180, 20, 240, ~
\$ minplaytime	<dbl> 120, 90, 15, 60, 75, 30, 20, 120, 20, 180, 45,~
\$ maxplaytime	<dbl> 120, 115, 15, 120, 150, 60, 20, 180, 20, 240, ~
\$ minage	<dbl> 12, 14, 8, 14, 12, 12, 8, 14, 8, 14, 13, 12, 1~
\$ boardgamecategory	<chr> "['Economic', 'Environmental', 'Industry / Man~
\$ boardgamemechanic	<chr> "['Drafting', 'End Game Bonuses', 'Hand Manage~
\$ boardgamefamily	<chr> "['Components: Map (Global Scale)', 'Component~
\$ boardgameexpansion	<chr> "['French Championship Promo Cards (fan expans~
\$ boardgameimplementation	<chr> "['Terraforming Mars: Ares Expedition', 'Terra~
\$ boardgamedesigner	<chr> "['Jacob Fryxelius']", "['Jamey Stegmaier']", ~
\$ boardgameartist	<chr> "['Isaac Fryxelius']", "['Jakub Rozalski']", "~
\$ boardgamepublisher	<chr> "['FryxGames', 'Arclight', 'Brädspel.se', 'Fan~
\$ owned	<dbl> 101872, 86371, 61775, 59731, 39730, 42118, 510~
\$ trading	<dbl> 538, 623, 735, 806, 361, 364, 846, 404, 336, 2~
\$ wanting	<dbl> 2011, 1896, 381, 780, 1568, 1217, 643, 1157, 4~
\$ wishing	<dbl> 19227, 19325, 3788, 8566, 10618, 9444, 7194, 1~

Project idea 2

Introduction and data

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Glimpse of data

- Use the `glimpse` function to provide an overview of the dataset

```
chocolate <- read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/
```

```
Rows: 2530 Columns: 10
```

```
-- Column specification -----
```

```
Delimiter: ","
```

```
chr (7): company_manufacturer, company_location, country_of_bean_origin, spe...
```

```
dbl (3): ref, review_date, rating
```

```
i Use `spec()` to retrieve the full column specification for this data.
```

```
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
glimpse(chocolate)
```

```
Rows: 2,530
```

```
Columns: 10
```

```
$ ref                <dbl> 2454, 2458, 2454, 2542, 2546, 2546, 2~  
$ company_manufacturer <chr> "5150", "5150", "5150", "5150", "5150~  
$ company_location    <chr> "U.S.A.", "U.S.A.", "U.S.A.", "U.S.A.~  
$ review_date         <dbl> 2019, 2019, 2019, 2021, 2021, 2021, 2~  
$ country_of_bean_origin <chr> "Tanzania", "Dominican Republic", "Ma~  
$ specific_bean_origin_or_bar_name <chr> "Kokoa Kamili, batch 1", "Zorzal, bat~
```

```

$ cocoa_percent      <chr> "76%", "76%", "76%", "68%", "72%", "8~
$ ingredients        <chr> "3- B,S,C", "3- B,S,C", "3- B,S,C", "~
$ most_memorable_characteristics <chr> "rich cocoa, fatty, bready", "cocoa, ~
$ rating             <dbl> 3.25, 3.50, 3.75, 3.00, 3.00, 3.25, 3~

```

Project idea 3

! Important

Project idea 3 is optional. If you decide to submit only 2 ideas, please delete the section headings below and leave a note below stating so. If you decide to submit the 3rd idea, please delete this callout.

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Research question

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Glimpse of data

- Use the `glimpse` function to provide an overview of the dataset

```
# add code to load and glimpse data here
```