# Lab 2 - Exercise 1 - Creating a Histogram and Explaining its Features

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In this lab, you are going to plot the temperature distribution for Vancouver and Miami.

## Libraries

Load the necessary libraries.

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.1     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(gridExtra)
```

```
##
## Attaching package: 'gridExtra'
##
## The following object is masked from 'package:dplyr':
##
##     combine
```

## Data

Load the data.

```
df_t <- read_csv("../../data/historical-hourly-weather-data/temperature.csv")
```

```
## Rows: 45253 Columns: 37
## -- Column specification --------------------------------------------------------
## Delimiter: ","
## dbl  (36): Vancouver, Portland, San Francisco, Seattle, Los Angeles, San Die...
## dttm  (1): datetime
##
## 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.
```

## Plot

Fill the cell with the code to make the plots.