---

title: "R\_Intro"

author: "tim covino"

date: "8/26/2021"

output: html\_document

---

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

knitr::opts\_chunk$set(echo = TRUE)

```

include = FALSE prevents code and results from appearing in the finished file. R Markdown still runs the code in the chunk, and the results can be used by other chunks.

echo = FALSE prevents code, but not the results from appearing in the finished file. This is a useful way to embed figures.

message = FALSE prevents messages that are generated by code from appearing in the finished file.

warning = FALSE prevents warnings that are generated by code from appearing in the finished.

```{r}

library(tidyverse)

library(lubridate)

```

```{r}

df <- read\_csv("data/temp\_df.csv")

df$date <- as.Date(df$date, format = "%m/%d/%Y")

```

```{r}

df <- df %>%

mutate(t\_range = tmax - tmin, tmax\_f = (tmax\*(9/5))+32, tmin\_f = (tmin\*(9/5))+32)

df <- df %>%

select(tmax\_f, tmin\_f)

df <- df %>%

mutate(year = year(date), day = day(date), month = month(date))

df\_jan <- df %>%

filter(month == 1)

df\_neg\_temp <- df %>%

filter(tmax < 0)

```

```{r}

ggplot(df, aes(x = date, y = tmax, color = date)) +

geom\_point() +

ylab("Maximum temperature (C)") +

xlab("Date") +

theme\_linedraw(base\_size = 16) +

scale\_color\_gradient(low = 'cyan', high = 'deeppink', trans = "date")

```

---

title: "R\_intro\_2"

author: "tim covino"

date: "8/26/2021"

output: html\_document

---

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

knitr::opts\_chunk$set(echo = TRUE)

```

```{r}

library("tidyverse")

library("lubridate")

```

```{r}

df <- read\_csv("data/temp\_df.csv")

head(df)

tail(df)

str(df)

df$date <- as.Date(df$date, format = "%m/%d/%Y")

```

```{r}

df <- df %>%

mutate(t\_range = tmax - tmin, tmax\_f = (tmax\*(9/5))+32)

rm(new\_df)

```

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xlab("Date") +

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scale\_color\_gradient(low = 'cyan', high = 'deeppink', trans = 'date')

```

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