

# QTM 151

## Week 13 – Shiny web applications

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Apr 23

# Recap

We learned:

- `qplot`: quick way to make ggplot graphs.
- `ggplotly` and `plot_ly`: create nice plotly graphs.
- `dplyr` methods: data wrangling
- `dplyr *_join` methods: joining data
- `tidyr` methods: reshape datasets
- `forcats` methods: working with categorical variables
- `lubridate` methods: processing dates and times
- `maps` and `ggmap` for creating maps.

**Great job!!**

Do you have any questions about any of these contents?

Today we are going to talk about Shiny Web Apps in R.

# This week

We will have a **quiz** posted today after 4:00 PM. Due by **Monday**

We will **not** have a **problem set** this week. You should focus on the final project!

Our GitHub page is: <https://github.com/umbertomig/qtm151>

# Final Project Important Dates

For the final project, we have the following important dates:

1. Presentations are due by Apr 30, at 12:00PM. You should submit the slides, and be prepared to them present during class.
2. Your final reports are due by May 3.

Do you have any questions?

# Shiny Webapps

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# Getting Started: loading packages

```
# Loading tidyverse
```

```
library(tidyverse)
```

```
## — Attaching packages ————— tidyverse
```

```
## ✓ ggplot2 3.3.3      ✓ purrr 0.3.4
```

```
## ✓ tibble 3.1.0       ✓ dplyr 1.0.5
```

```
## ✓ tidyr 1.1.3        ✓ stringr 1.4.0
```

```
## ✓ readr 1.4.0        ✓ forcats 0.5.1
```

```
## — Conflicts ————— tidyverse_0.1.0
```

```
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()     masks stats::lag()
```

```
library(shiny)
```

# Getting Started: loading data

We will use the shiny presentation by Garrett Grolemond, one of the R Studio main Data Scientists

# Questions?

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Have a great weekend!

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