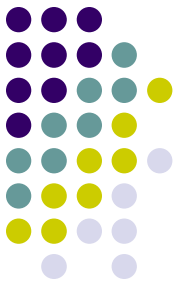


Applied Scaling & Classification Techniques in Political Science

Before our Lab 1





Before our first Lab class

If you **have a laptop** with you:

- 1) Install the latest version of R
- 2) For **Windows platforms**: install the latest version of Rtools (i.e., Rtools 4) from here (<https://cran.r-project.org/bin/windows/Rtools/>)

For **OS X**, do the following:

- a) First try to install Quanteda directly
- b) If you fail in doing that, install [XCode](#) from the App Store

Before our first Lab class



c) To install XCode, follow these simple rules:

1 Access to “Apple Developer”

<https://developer.apple.com/download/more/>

(You need Apple ID and password)

2 Insert “Xcode” in “Search Downloads” located on the left side of the page.

3 Choose “Xcode 12” and download.

4 After finishing download, click "Finder" and then "download."
Double click “Xcode 12”. It may take a while to open this file

d) If you have problems to install the **latest version** of Xcode, **uses an earlier one**, such as Xcode 9!

Before our first Lab class



- e) To make things even more complicated for Mac users: the latest R could not be compatible with the most recent Xcode. In that case, they the second most recent version of R
- 5 In case somebody encounters *still* some problems: you could need also to install the fortran compiler as described here: <https://mac.r-project.org/tools/> (GNU Fortran compiler -> Apple silicon Macs) for the `quanteda/quanteda.textmodels` package



Before our first Lab class

Install the following packages by running these lines (1):

```
install.packages('quanteda', repos='http://cran.us.r-project.org')
```

```
install.packages('quanteda.textstats', repos='http://cran.us.r-project.org')
```

```
install.packages('quanteda.textplots', repos='http://cran.us.r-project.org')
```

```
install.packages('readtext', repos='http://cran.us.r-project.org')
```

```
install.packages('devtools', repos='http://cran.us.r-project.org')
```

```
devtools::install_github("quanteda/quanteda.corpora")
```

```
devtools::install_github("quanteda/quanteda.textmodels")
```

Before our first Lab class

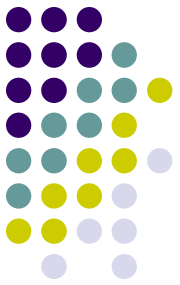


Install the following packages by running these lines (2):

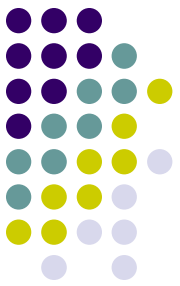
```
install.packages('ggplot2', repos='http://cran.us.r-project.org')
```

```
install.packages('SnowballC', repos='http://cran.us.r-project.org')
```

```
install.packages('corrplot', repos='http://cran.us.r-project.org')
```



IMPORTANT!!!



Before using rtweet

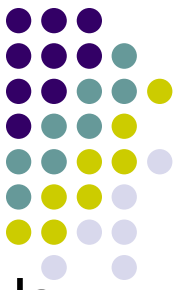
We will also use the `rtweet` package next week: so start to install it!

```
devtools::install_version("rtweet", version = "0.7.0", repos =  
"http://cran.us.r-project.org")
```

Why an older version of `rtweet`? Cause the older version allows you to get access to some information that the new version (1.0.2) does not allow you to get anymore via a rest API. But do not worry! We will use the new package later on!

```
install.packages("httpuv", repos='http://cran.us.r-project.org')
```

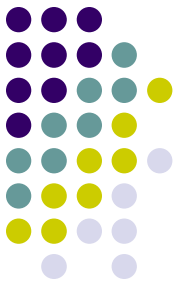
P.S. you need to have a Twitter account! Open it: it is for free! And you do not need to post it there anything if you do not want!



Before using rtweet

Then open an R session and type the following commands. Plz let me know if you are able (or not) to download the 10 tweets:

```
library(rtweet)
library(httpuv)
rt <- search_tweets( "#rstats", n = 10,
include_rts = FALSE)
print(rt$text[1:10])
```



**Please check that
everything is ok with
rtweet before **next week!****