Advanced Use of R for Biosurveillance

What should I do before we meet?

vviio we are:

iviorning

Afternoon

Additional resources

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Dec 8, 2015

What should I do before we meet?

Who we are

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Additional resources

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Additional resources

0 - Go to this link by clicking on it

```
{http://rprogramming.net/
create-html-or-pdf-files-with-r-knitr-miktex-and-pandoc/}
```

Follow steps 1 and 2

▶ install these packages: *knitr*, *rmarkdown*, *shiny*, *devtools*

with the the function: install.packages()

▶ install the package *printr*

with the command: devtools::install_github("yihui/printr")

Find a dataset and bring it the workshop

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You will use the dataset to begin to build your own browser-based point-and-click interface for non-programmers to use R. The interface will be built with the **shiny** package.

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before we meet

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Who we are?

Who we are?

► Vivek Khatri, PhD, MHS DoD Data Scientist khatri1976@gmail.com

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Ian Painter, PhD Clinical Assistant Professor University of Washington School of Public Health ipainter@uw.edu

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- ▶ 8:20 to 8:45....**OPTIONAL**Make sure needed software is installed (RStudio, a Latex distribution, Rtools)
- ▶ 8:45 to 9:45....Shiny part I (Vivek) Introduction to the Shiny package
- ▶ 9:45 to 10:00....**Morning break**
- ▶ 10:00 to 11:00....**Shiny part II (Nick)** Demonstration of his Shiny 'apps'
- ▶ 11:00 to 12:00... Build Shiny apps with **data from home**
- ▶ 12:00 to 1:00....**Lunch**

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- ► 1:00 to 1:45....Intro to knitR (Vivek)

 How to make this presentation and other stuff in RStudio
- ▶ 1:45 to 2:15....Importing data into R (lan)
- ▶ 2:15 to 2:30....**Break**
- ▶ 2:30 to 3:00....R language fundamentals (lan)
- ▶ 3:00 to 4:00....Free time to play with new R knowledge

before we meet

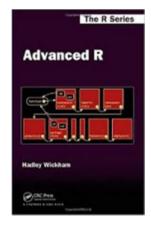
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Additional resources

Get this book



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