

What should I do
before we meet?

Who we are?

Morning

Afternoon

Additional resources

Advanced Use of R for Biosurveillance

Dec 8, 2015

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What should I do before we meet?

Install this software

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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 to the workshop

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Afternoon

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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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Who we are?

Morning

Afternoon

Additional resources

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- ▶ **Vivek Khatri, PhD, MHS**
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Morning

Afternoon

Additional resources

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Morning

Afternoon

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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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Morning

Afternoon

Additional resources

Afternoon

- ▶ 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 (Ian)**
- ▶ 2:15 to 2:30... **Break**
- ▶ 2:30 to 3:00... **R language fundamentals (Ian)**
- ▶ 3:00 to 4:00... **Free time to play with new R knowledge**

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Morning

Afternoon

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Get this book

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Morning

Afternoon

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