

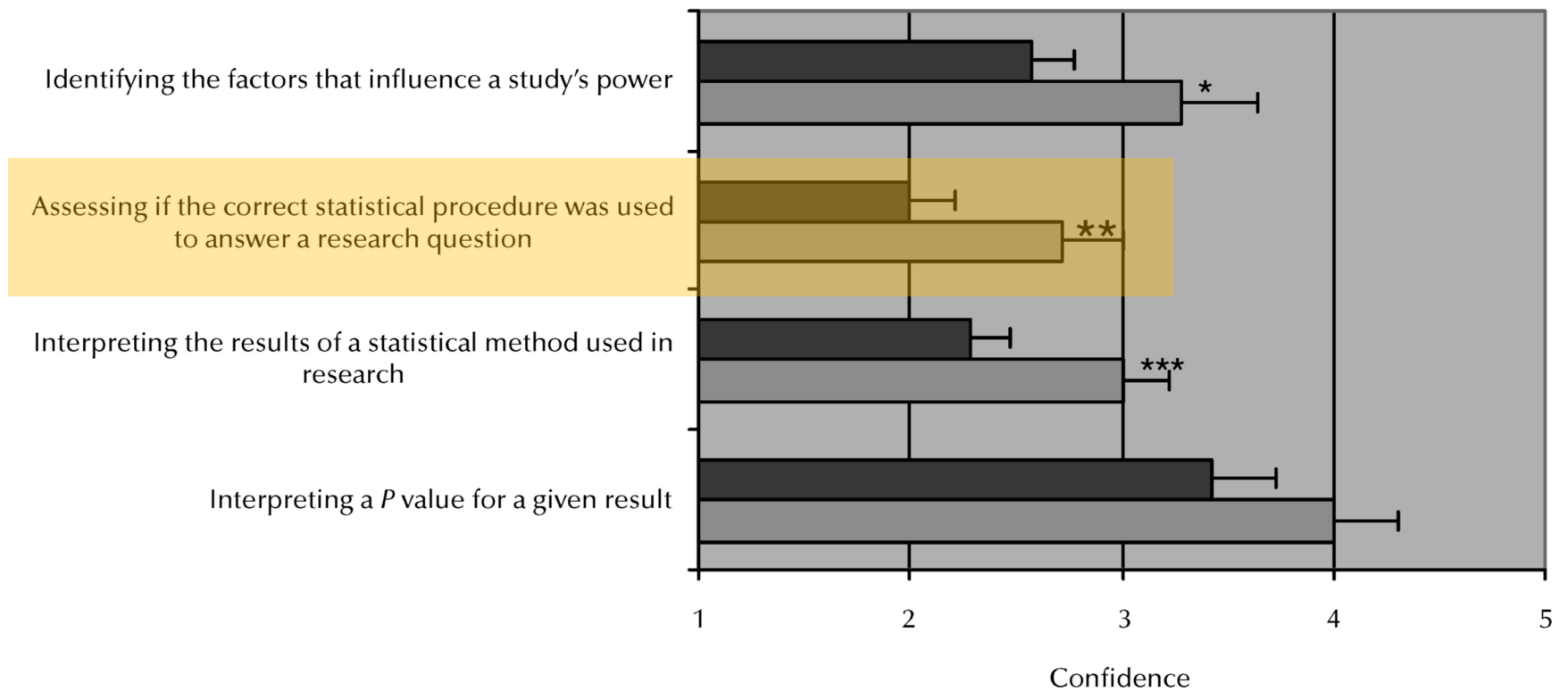
# Teaching Clinical Data Analysis to Medical Doctors

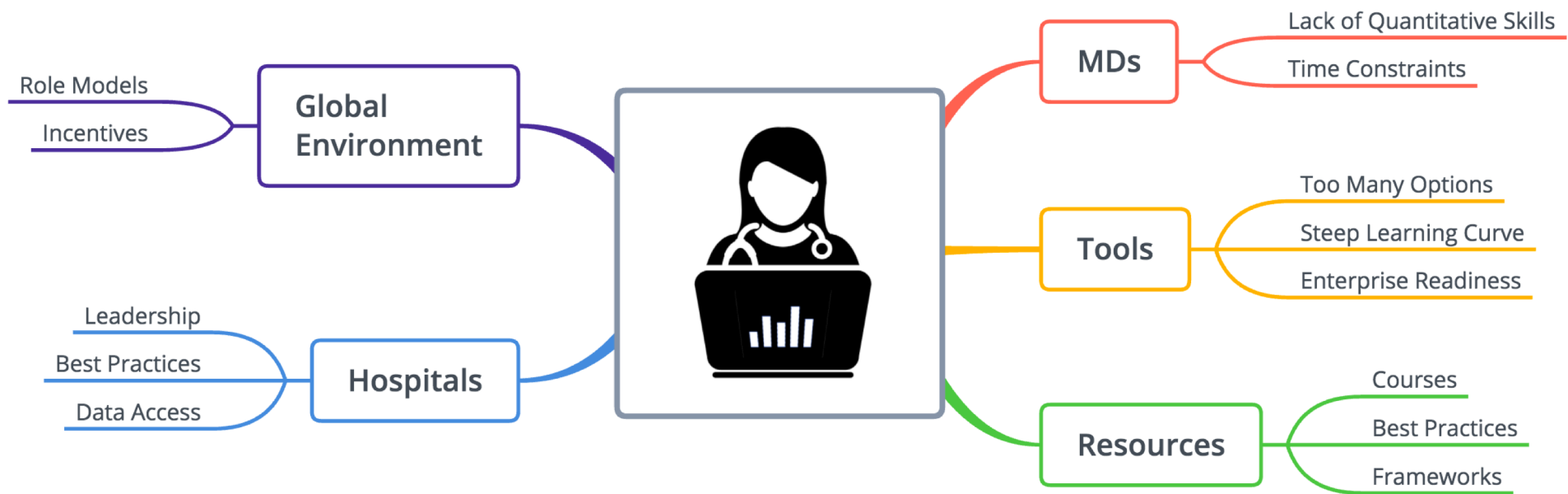
Stephan Kadauke MD PhD

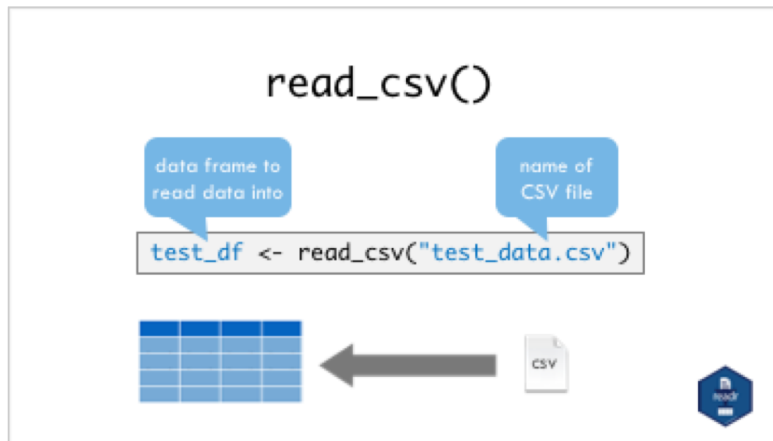
**R/Medicine**

September 7, 2018









## Your Turn

Download the files I sent to you by e-mail:

1. 02-getting-data.Rmd
2. esr\_data.csv

Open 02-getting-data.Rmd in RStudio (File -> Open File). Read the instructions and do everything it says.

05:00

The screenshot shows an R Notebook titled '01-introduction.Rmd'. The notebook contains several code chunks and text blocks. The first code chunk is empty. The second code chunk sets the title and output format. The third code chunk contains introductory text about R Notebooks. The fourth code chunk contains a line of text to be replaced with the user's name. The fifth code chunk contains text about R Markdown code chunks. The sixth code chunk contains an R code snippet to plot cars. The seventh code chunk contains a 'Good job!' message. The eighth code chunk contains instructions on how to create a new R Notebook. The notebook is currently in 'Preview' mode, showing the rendered HTML output of the code chunks.

```
1 ---
2 title: "R Notebook"
3 output: html_notebook
4 ---
5
6 This is an R Notebook. R Notebooks are written in R Markdown. An R
7 Notebook is like an electronic lab notebook, but for data analysis. You
8 can use R Notebooks to take notes, write code, and you can run that code
9 and see the results in the same document.
10
11 To take notes, simply edit the text in this document. For example, edit
12 the following line to replace XXX with your name:
13
14 My name is XXX, and I'm editing an R Notebook!
15
16 In an R Markdown document, code goes into code chunks. Each code chunk
17 starts with three back-ticks (```) and the letter "r" in curly brackets.
18 It ends with a line that only has three backticks (```). The RStudio
19 editor makes the background color of code chunks gray. This way it's easy
20 to see where all the code chunks are. You can run the code in a code
21 chunk by clicking the green triangle in the upper right corner of the
22 code chunk. The results will appear beneath the chunk. Try it!
23
24 ```{r}
25 plot(cars)
26 ```
27
28 Good job!
29
30 You can open a new R Notebook by going to File > New File > R
31 Notebook.
32
33 ```{r}
34
35 ```
```

[github.com/skadauke/reproducible-clinical-data-analysis](https://github.com/skadauke/reproducible-clinical-data-analysis)

or

[bit.ly/sk-rcda](https://bit.ly/sk-rcda)



# Contact me!

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