

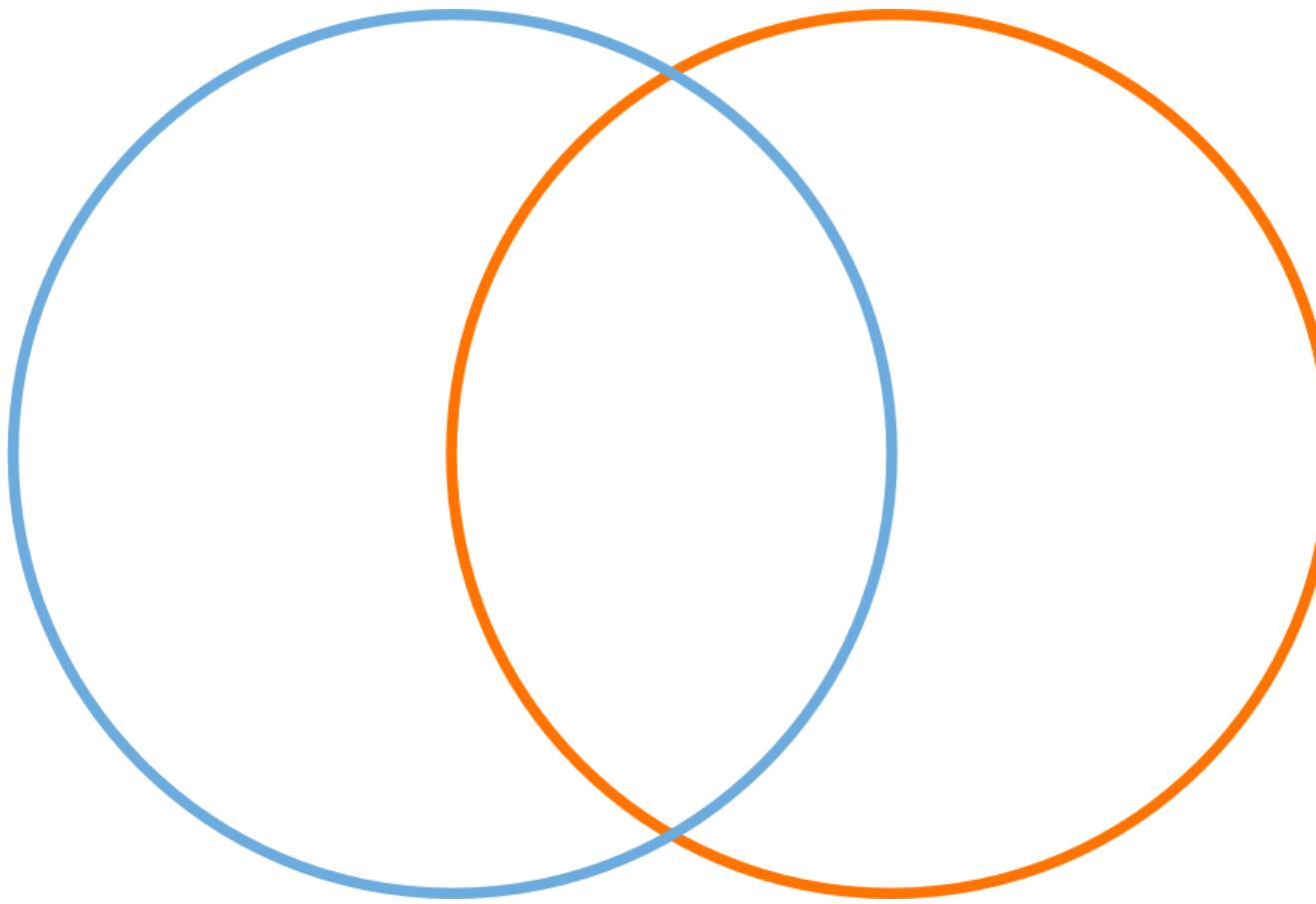


What Evaluation Can Learn From Data Science

David Keyes



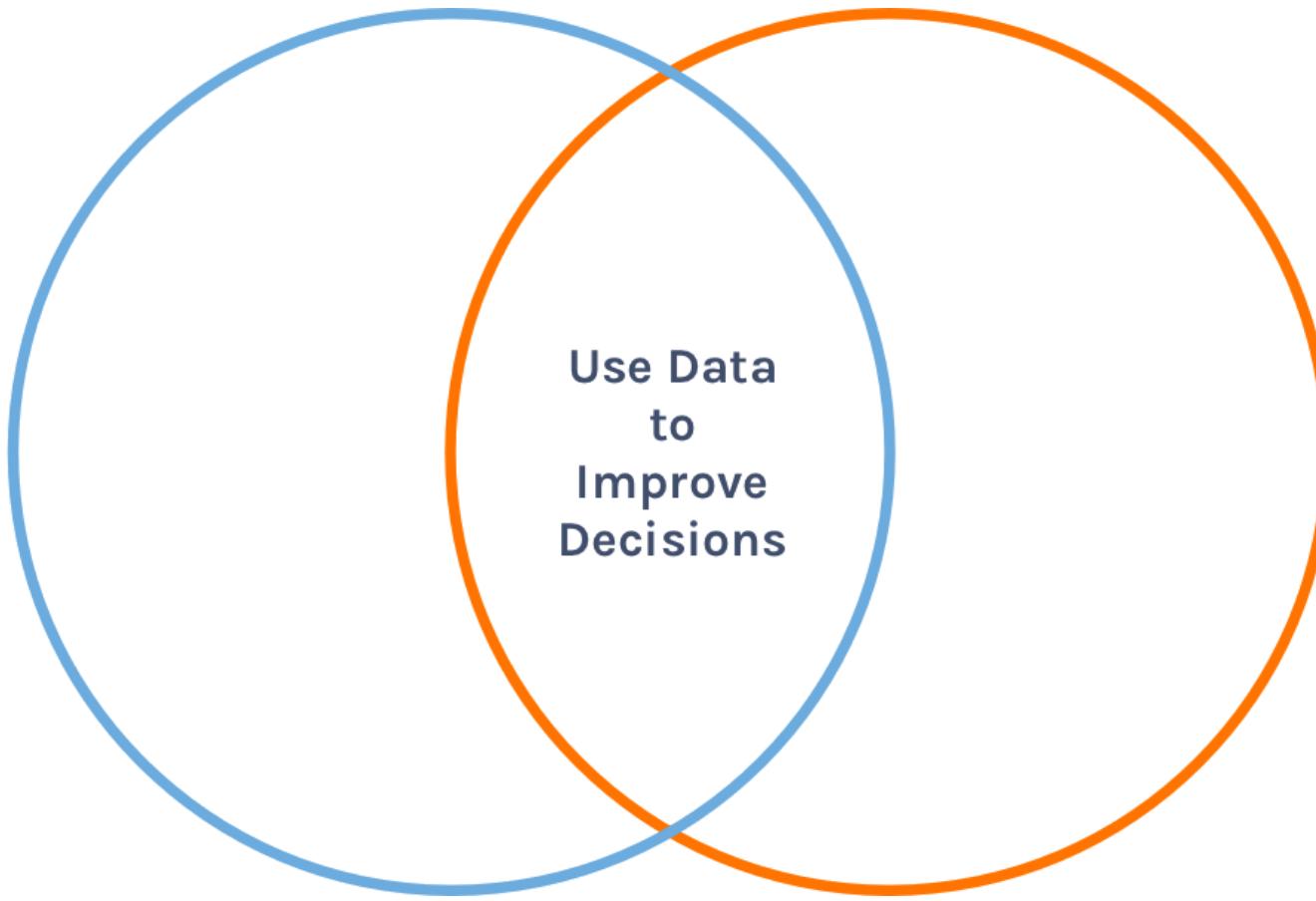
Data Science



Evaluation



Data Science



Evaluation

Use Data
to
Improve
Decisions



Data Science

Make your
work
transparent
to catch
mistakes
before it's
too late

Use Data
to
Improve
Decisions

Evaluation



Data Science

Think about
the structure
of your data
up front to
get better
results on
the back end

Use Data
to
Improve
Decisions

Evaluation



Data Science

Automate
all the
things!

Use Data
to
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Evaluation



Data Science

R is a
workflow
tool

Use Data
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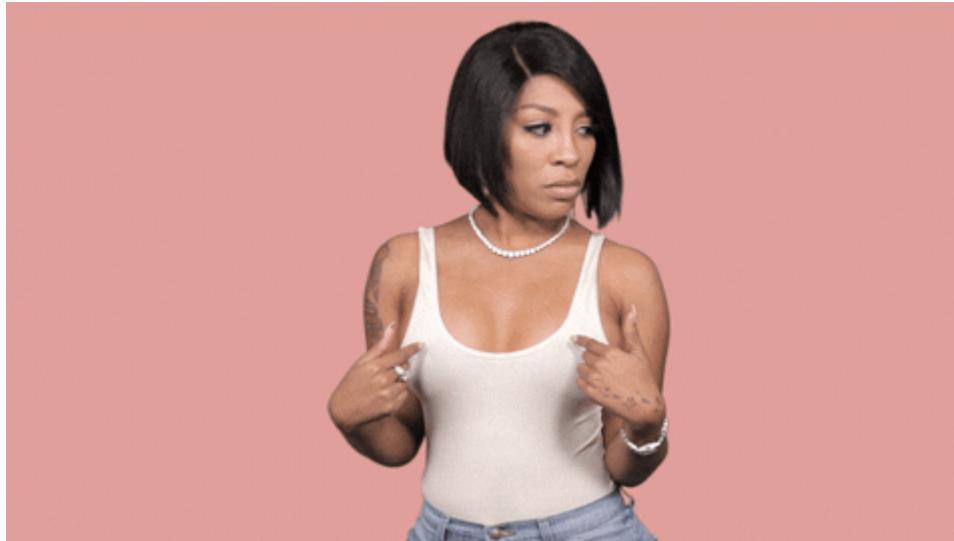
Evaluation



My Path to "Data Science"



I'm a Data Scientist?





How I Learned R





Data Science

Fit statistical models

Work with data



Data Science

Fit statistical models

Work with data

Not the same thing!





What is Data Science Exactly?



David Keyes
@dgkeyes

▼

I'm confused by what data science refers to exactly. It seems like the term is used both to refer to a field (i.e. those doing data science at a company) and an orientation (i.e. the idea of using data in particular ways to gain insights). Am I wrong?

#rstats

8:44 AM · Jan 2, 2019 · [Twitter Web Client](#)



Data Science

Fit statistical models

Work with data

Let's just focus
on this side of
data science



What Can Data Science Teach Evaluation?



Lesson #1
Make your work transparent
to catch mistakes
before it's too late



Lesson #2
Think about the
structure of your data up front
to get better results on the back end



Lesson #3

Automate all the things!



Lesson #4

R is a Workflow Tool





Sharla Gelfand
@sharlagelfand

today my work released our annual report on Ontario's nursing registration exams and i'll let you in on a little secret: it was completely built using [#rstats](#). begin thread!



cno.org/globalassets/2...

10:30 AM · Jun 4, 2019 · [Twitter Web Client](#)

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**Don't Just Work *in* your Data
Also Work on Your Data**



A Little Bit of Code Goes a Long Way

Learning R really doesn't have to be about learning statistical models or advanced computation methods. I have a masters degree in Statistics and the most statistical thing I do these days is calculate a median.

Sharla Gelfand



R:

Inefficient at the Start

Waaaaaaayyyy More Efficient With
Time

