

HUDK

5053:FEATURE

ENGINEERING

STUDIO

11/1/16 8:33 AM

# In the news

How One University Used Big Data To Boost Graduation Rates



The Promise and Peril of Predictive Analytics in Higher Education



Extracting Data from the Web  
Part 1

Date: November 9th

Time: 11:00 AM EDT



<http://bit.ly/2ecDAAtF>

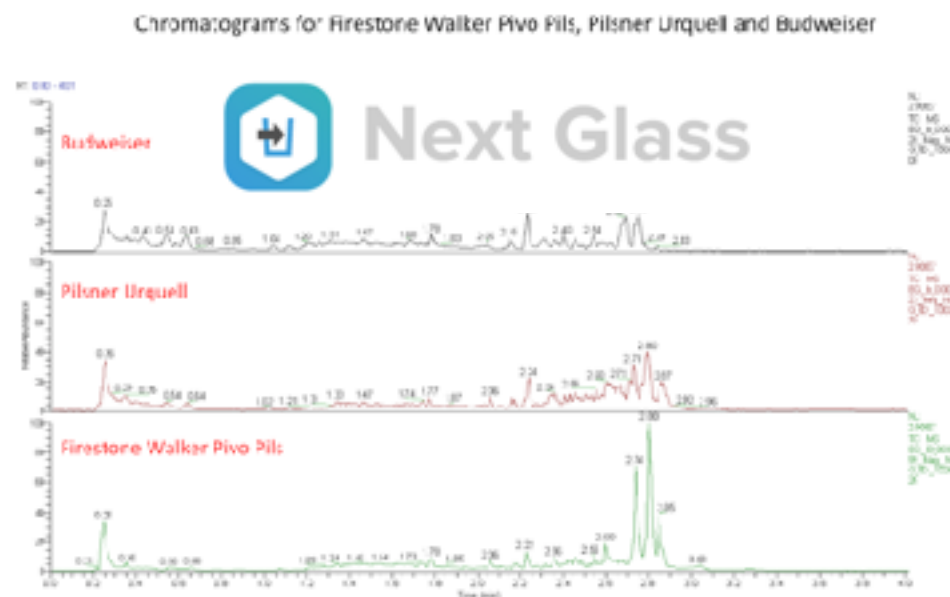
A Devil's Dictionary of Educational Technology

Posted on September 22, 2016

<http://bit.ly/2emtEwI>

U.S. Ed Department Launches Free Online Tool to Rapidly Evaluate Ed Tech Products

ED TECH RCE COACH *beta*



Incomplete or inaccurate state data muddies charter school debate



IBM launches Watson application developer certification



Impact and Nonimpact of Online Competition



<http://wimlworkshop.org>

# Construct Validity

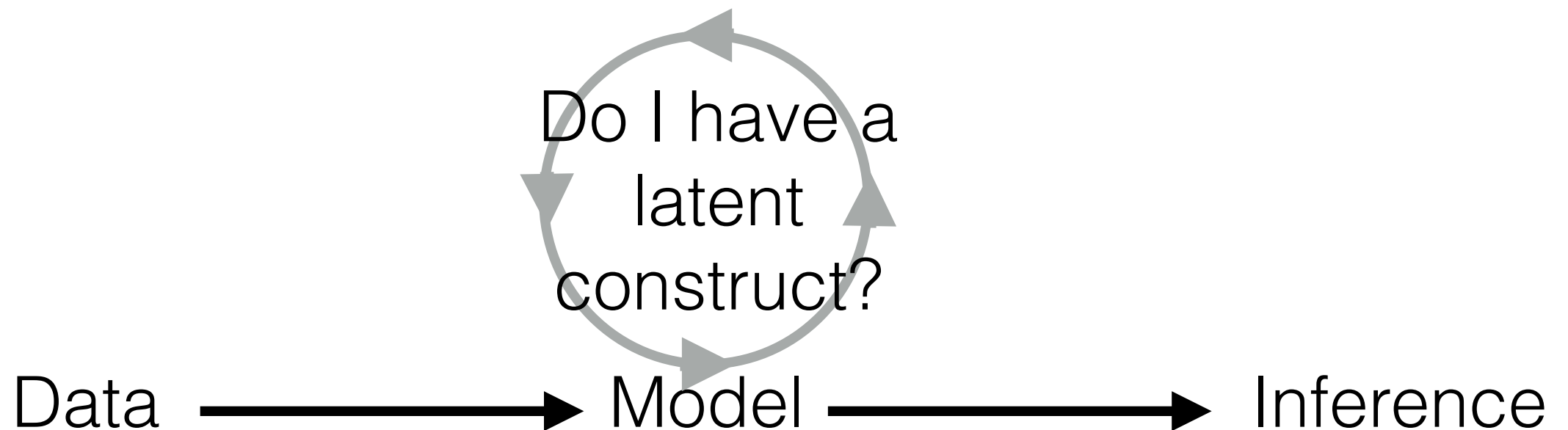
# Construct Validity

The degree to which a test measures what it claims, or purports, to be measuring (Brown, 1996)

Avoid the “infinite frustration” of relating every criterion to some more ultimate standard (Cronbach, 1955)



# Construct Validity



If you are working in education  
the answer is usually: YES

# Models

## Abstract Model

- ❖ Logic model, for lay audience, elevator pitch

## Operational Model

- ❖ What are you counting?

## Validation Model

- ❖ What pieces of the model require support (construct, algorithm)
- ❖ What validation framework are you using?

# Methodology

- A description of the method you plan to employ to analyze your data
- A list of assumptions, "gotchas" or other considerations you need to be aware of to use that method
- How you plan to validate both model and constructs

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