It May be Deep But Is It Learning?

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LADS workshop, New College Sarasota, January 13, 2018

A1. A favorite cartoon

Lucy: What are you doing, Charlie Brown?

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- Lucy: What are you doing, Charlie Brown?
- Charlie Brown: I'm teaching Snoopy to whistle.

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- Lucy: Don't be stupid, Charlie Brown.
 Dogs can't whistle.

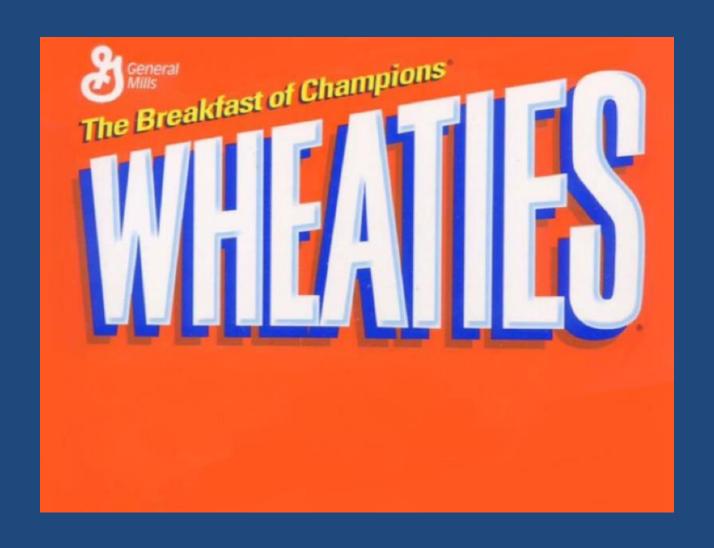
A favorite cartoon

- Lucy: What are you doing, Charlie Brown?
- Charlie Brown: I'm teaching Snoopy to whistle.
- Lucy: Don't be stupid. Charlie Brown.
 Dogs can't whistle.
- Charlie Brown: I said I was teaching him.
 I didn't say he was learning.

B1. Riddle: What's this?



C3. Wheaties, ...



... turtles, ...



... and liberal learning

Infinite regress:

the response to every answer

is a new question: Why?

Conclusions

 Wheaties, turtles, and our moral obligation to disturb

Data science should teach its essential tension.
 Teach the importance of context.
 Teach abstraction as process.

Teach through research