

Dispatchings


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Principles of Complex Systems, Vols. 1, 2, & 3D
CSYS/MATH 6701, 6713, & a pretend number, 2024–2025

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2 of 8

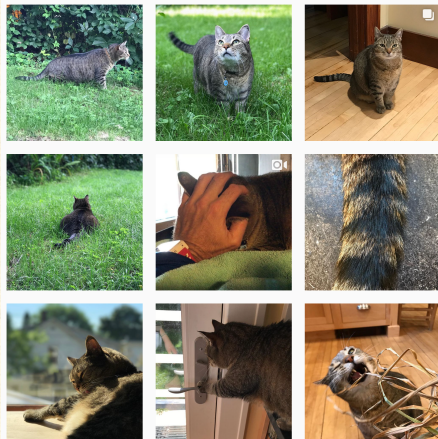
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3 of 8

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 On Instagram at [pratchett_the_cat](https://www.instagram.com/pratchett_the_cat) 



Outline

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4 of 8



Callback: A whimsical-powerful example of real science

“How Cats Lap: Water Uptake by *Felis catus*” 

Reis et al., *Science*, 2010.


A Study of Cat Lapping

Adult cats and dogs are unable to create suction in their mouths and must use their tongues to drink. A dog will scoop up liquid with the back of its tongue, but a cat will only touch the surface with the smooth tip of its tongue and pull a column of liquid into its mouth.



Source: Science

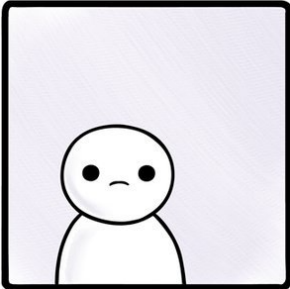
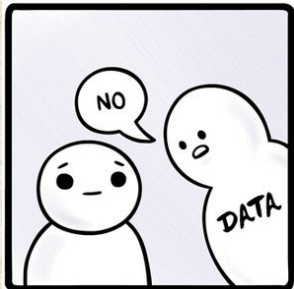
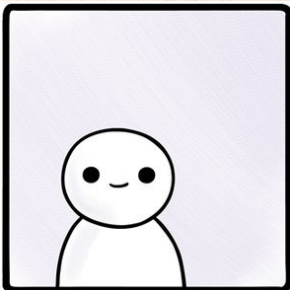
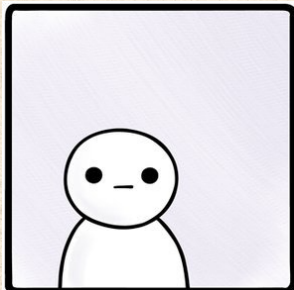
THE NEW YORK TIMES; IMAGES FROM VIDEO BY ROMAN STOCKER, SUNGHWAN JUNG, JEFFREY M. ARISTOFF AND PEDRO M. REIS

Amusing interview [here](#) 



Have courage

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6 of 8



THIS COMIC MADE POSSIBLE THANKS TO ADAM LINGELBACH

MRLOVENSTEIN.COM



The absolute basics of basic science:

Computational science in three back and forth steps:

1. Find meaningful+important+interesting phenomena, (optionally) involving spectacular amounts of data that you either put together or obtain from the back of a truck.
2. Describe what you see.
3. Explain it.

If you succeed at 1–3:

4. Create.
5. Share.


Always:

6. Be good people.



Extreme joy and the power of forgetting:  



Human: Aleksander Gamme 

Location: Antarctica

