

# 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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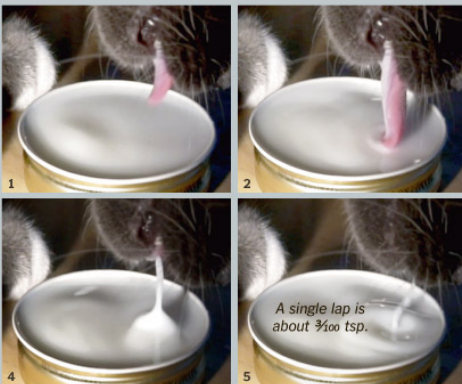


# Callback: A whimsical-powerful example of real science

“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.



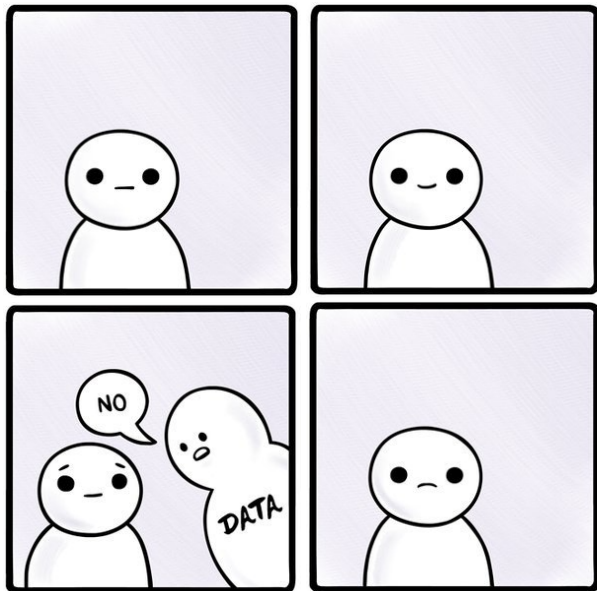
Source: Science

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

Amusing interview [here](#) 

# Have courage

The PoCSverse  
Dispatchings  
4 of 5



THIS COMIC MADE POSSIBLE THANKS TO ADAM LINGELBACH

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# 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.