

ES 2: Critical thinking with Python

aka, Introduction to Computing for Engineers

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6 February 2025



Logistics

Getting grading/feedback pipelines going for code + reflections

TA office hours will be posted soon

Back to plotting

Let's try the live view again...

Format strings tutorial is live

Microsoft used 700,000 liters of water in the training of ChatGPT-3, the equivalent of producing 320 Teslas

Training a single LLM results in a carbon footprint of approx. 300,000 kg of CO2 emissions, comparable to 125 round-trip flights between New York and Beijing

1 conversation with ChatGPT uses 16 oz. of water

One query uses the amount of energy to run a LED bulb for 16 minutes

IS THAT A LOT?

("A lot" is hard here --- but what do you really want to know?)

Plotting some more complex stuff

Projectile motion

Challenge: plot the motion of a pendulum, without assuming $x = \sin(x)$