

Considering the results of AI/LLMs, part one

I asked an LLM to help me write an email to my principal asking for assistance with arranging for a substitute teacher so that I could attend a family wedding. Below are two of the emails that it generated.

1. Read the two emails
2. Which one would you want to send to your principal? How did you come to that decision?
3. What background knowledge do you have that helped you make that decision?

Version 1

Subject: Request for Substitute Teacher Coverage

Dear Principal Smith,

I am writing to request your assistance in arranging a substitute teacher for my classroom on Friday, November 7, 2025. I need to attend a family wedding out of town and will need this day for travel.

Please let me know if there are any procedures or forms I should complete to facilitate this process. I will ensure that detailed lesson plans and materials are prepared in advance to support a smooth transition for the substitute.

Thank you for your understanding and support.

Ben Schafer
7th Grade Math

Version 2

Subject: Need a sub for class

So my sister is getting married the first weekend of November and I gotta go. I won't be able to come in on that Friday. Would you get someone to cover my class. I'll try to leave some stuff for them to do but not sure how much I'll get done before I go.

Let me now if u need anything from me or whatever.

Thanks,
Ben

Considering the results of AI/LLMs, part two

I asked an LLM to help me write a Python script that would calculate how fast the tip of one of the blades of a wind turbine is travelling (given some information about the windmill). Below are two of the Python programs that it generated.

1. Read the two programs?
2. Which one would you use? How did you come to that decision?
3. What background knowledge do you have that helped you make that decision?
4. What background knowledge would you still need to help you assess the code?

```
#version 1
import math

# Ask for user input
blade_length = float(input("Enter the length of the windmill blade (in feet): "))
rpm = float(input("Enter the RPM (revolutions per minute): "))

# Calculate the circumference of the circle the blade tip travels
circumference = 2 * math.pi * blade_length # in feet

# Calculate the speed in feet per minute
speed_fpm = circumference * rpm

# Convert feet per minute to miles per hour
speed_mph = speed_fpm / 5000

# Display the result
print("The tip speed of the windmill blade is approximately " + str(speed_mph) + " MPH")
```

```
#version 2
import math

# Ask for user input
x = float(input("Blade size (ft): "))
y = float(input("Spin rate (RPM): "))

# Calculate speed and convert to miles per hour
z = 2 * math.pi * x
v = z * y # feet per minute
mph = v * 60 / 5280

# Display the result
print("Blade tip zooms at ~{:.2f} mph!".format(mph))
```