



S.A.M.M.S

**Samuels . Automated . Mail . Merge . System**

# The Journey

- Backstory
- Why?
- What?
- Live Demo
- Limitations

# BackStory

- Investigating the proportion of left-handedness among academic mathematicians (students and teachers) compared to the general population.
- Generated a random sample of 40 universities in the U.S. that offer mathematics programs.
- Collected contact information for the Mathematics Department Chairs at those universities.

# BackStory

- Plan: Send participation requests via email (the catalyst).
  - The emails were repetitive — only the name and college changed — but each needed to be sent individually.



**Samuel Olatunde** <psalmyz735@gmail.com>

to Dkaplan ▾

Mon, Jan 6, 10:17 AM



Dear Dr. David Kaplan,

Happy New Year! I am reaching out to follow up on my earlier request regarding a research study I'm conducting with Dr. Joel Schmitter at Midwestern State University. As part of a **random sample**, your institution, York College of Pennsylvania, plays an essential role in helping us investigate the prevalence of left-handedness among mathematics majors across the U.S.

If you've **already responded**, thank you for your time and effort! While we appreciate the responses received, they represent only a small portion of your faculty and students. To ensure the data is complete and accurate, we kindly request your assistance in obtaining a more comprehensive count of left- and right-handed individuals in your department.

# Solutions

- Manually copy and paste emails repeatedly (error-prone and inefficient).
- Or send all emails at once with the click of a button.



**YetAnotherMailMerge**

# Why Still ?

- Even though similar tools exist, building this project was an opportunity to:
  - Deepen my understanding of Python, JavaScript, and HTML
  - Learn to work with APIs and Google Apps Script
  - Practice solving real-world problems independently
  - Gain experience in automation, customization, and practical coding



# What is S.A.M.M.S?

- YAMM replica (google sheet extension)
- A tool that sends personalized emails to many people.
- It uses a Gmail draft you already created.
- It pulls names and other details from a Google Sheet.
- It replaces placeholders in the draft with information from the sheet.
- It sends the customized emails automatically.

# Scan It



# Current Limitations

- No structural validation of data.
- Cannot add attachments.
- No CC or BCC support.
- Recipients must be in the first column (no flexible placement).
- No visual progress tracking during send.
- Does not display Gmail quota usage.
- No tracking of message delivery status.
- Add capability to add different attachments for different recipients

# References

[1] Google Workspace Documentation