



Is a Hotdog
a Sandwich?

Motivation

Is a hot dog a sandwich? We wanted to see how full-time UVA students think about this question and whether opinions vary by class year. While it's a fun topic, it also shows how students interpret definitions and categories differently within the same campus community.



Hypothesis: What do we think?

½ of UVA full-time undergraduate students believe a hot dog is a sandwich



Data

- Entries: 76
- Columns: 2
 - o **Year?** (1st, 2nd, 3rd, 4th)
 - o **Sandwich?** (Yes or No)

Form_Responses	Timestamp	Are you a full-time undergraduate UVA studer	What year are you?	Do you believe a hotdog is a sandwich?
	1/14/2026 14:54:44	Yes	3rd	No
	1/14/2026 14:55:14	Yes	4th	No
	1/14/2026 14:56:49	Yes	4th	No
	1/14/2026 14:58:15	Yes	4th	Yes
	1/14/2026 14:58:25	Yes	4th	Yes
	1/14/2026 14:58:27	Yes	4th	Yes
	1/14/2026 14:58:31	Yes	3rd	Yes
	1/14/2026 15:02:11	Yes	3rd	No



Survey Results

Analysis Plan

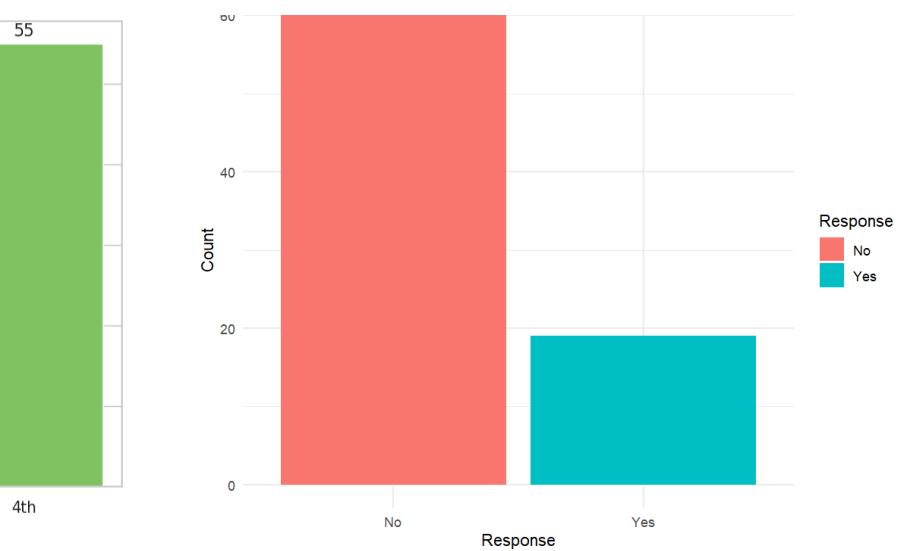
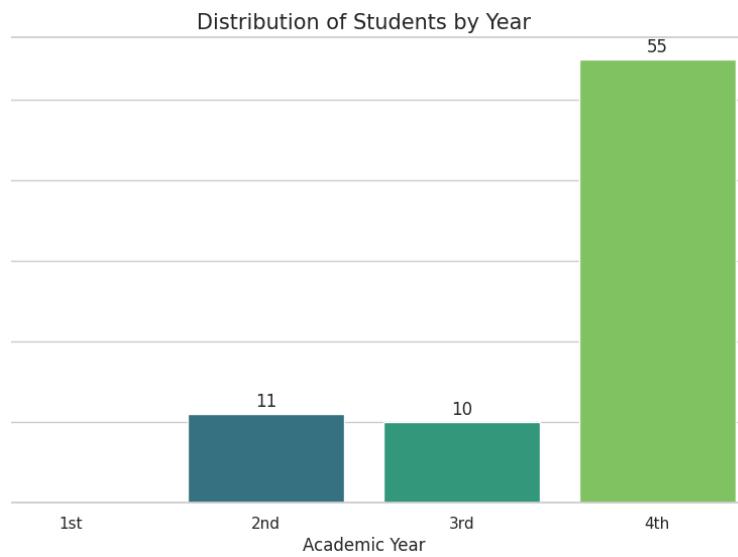
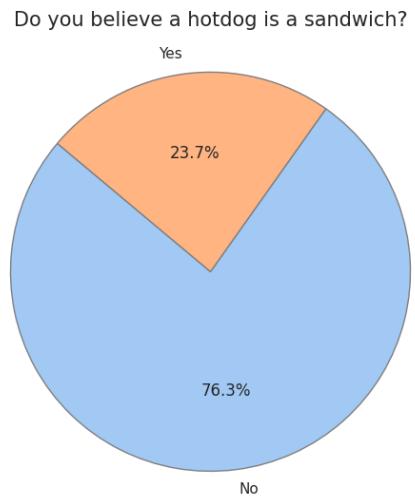
Used one-sample t -tests and visualizations such as bar charts to identify patterns in the data.

Examined whether students' class year was associated with their belief about whether a hotdog qualifies as a sandwich, allowing exploration of potential trends across undergraduate years.

Included a basic bar graph showing the total counts of "Yes" and "No" responses to the hotdog-as-a-sandwich question.

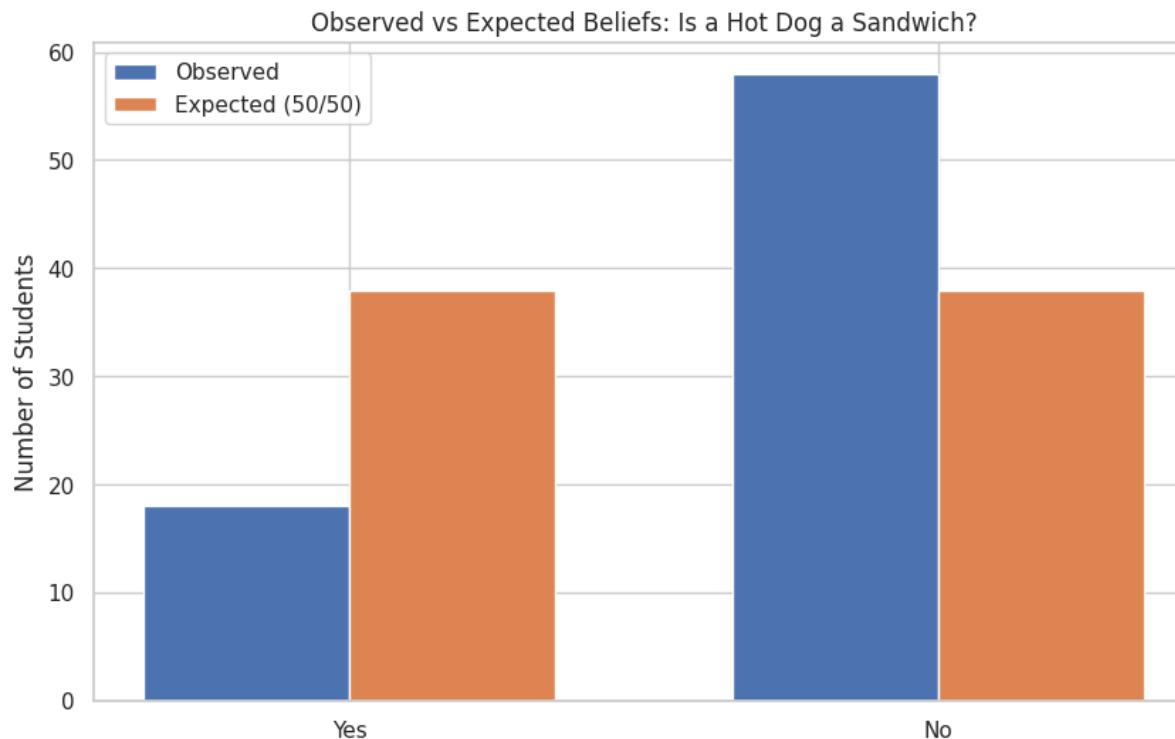
Used this visualization to provide a summary of the overall distribution of responses to help readers quickly assess the balance of opinions before interpreting statistical test results.

Results/Findings



The majority of the sample believes that a hot dog is not considered a sandwich

Results/Findings



A chi-squared test showed that UVA students' responses significantly deviated from an expected 50/50 split ($\chi^2 = 21.05$, $p < 0.001$), with far fewer students believing a hot dog is a sandwich than expected.

Next Steps

A photograph showing the backs of many people's heads in a dark room, likely an auditorium or theater. The people are seated in rows, facing forward. The lighting is low, with some highlights on the tops of their heads and shoulders.

Reach out and collect a bigger sample size to apply this theory to a broader audience
