Brand A vs brand B Paper towel absorbency.

Question

My science question is, does the paper towel brand really matter for absorbance in 15 seconds?

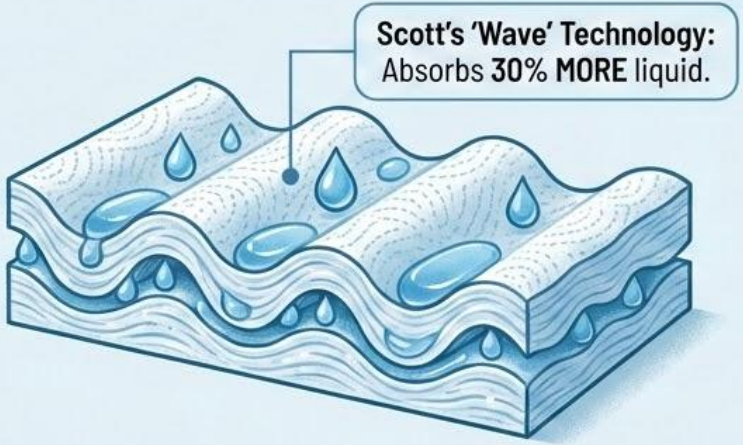
My Background Research/(Why this matters)

I learned that the scott paper towel brand is more absorbent than the value bran because of scott's "wave" which means it absorbs 30% more liquid than the value brand. The value brand is thinner than the scott brand, the value brand is more tissue like but the scott brand uses a fiber that keeps its strength.

This is important because people usually buy normal brands without knowing these things and people use more paper towels when they have spilled something, but if people buy the scott brand they will probably use less paper towels.

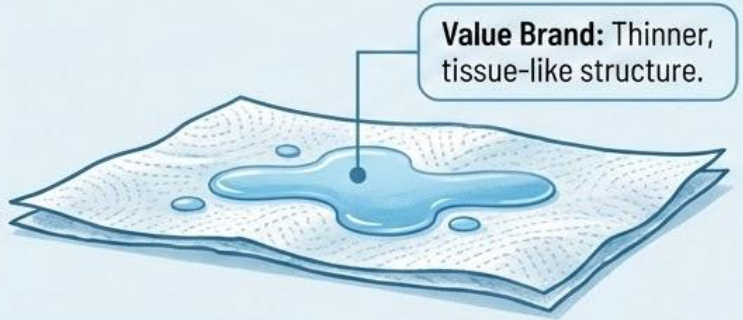
MY BACKGROUND RESEARCH / (WHY THIS MATTERS)

THE 'WAVE' ADVANTAGE: SCOTT BRAND



- Uses a **strong FIBER** that keeps its strength.
- More **durable** than tissue-like brands.

VALUE BRAND COMPARISON & IMPACT



WHY IT MATTERS:

People often buy brands unknowingly, using more towels for spills. Choosing Scott means using **FEWER** paper towels, saving effort and resources.

Hypothesis

If I were to use the scott paper towel brand,I would use less paper towels because the value brand it way thinner than the scott brand, which the scott brand is more thicker and uses fiber that keeps it more stronger.

Hypothesis

SCOTT BRAND

Thicker, Strong Fiber Structure

- Uses a special fiber for durability.
- More absorbent, holds more liquid.

Predicted Outcome:
USE FEWER TOWELS

VALUE BRAND

Thinner, Tissue-like Structure

- Less absorbent.
- Weaker and tears easily.

Predicted Outcome:
USE MORE TOWELS

Therefore, I predict that using the Scott brand will result in using FEWER paper towels for spills compared to the value brand, due to its superior thickness and strong fiber composition.

The Variables

- The paper towels (what I changed)
- Which one absorbed more liquid (what I measured)
- Time, water amount (What stayed the same)

The Materials used

- Two different paper towel brands
- Water
- Plate
- Timer

Procedure

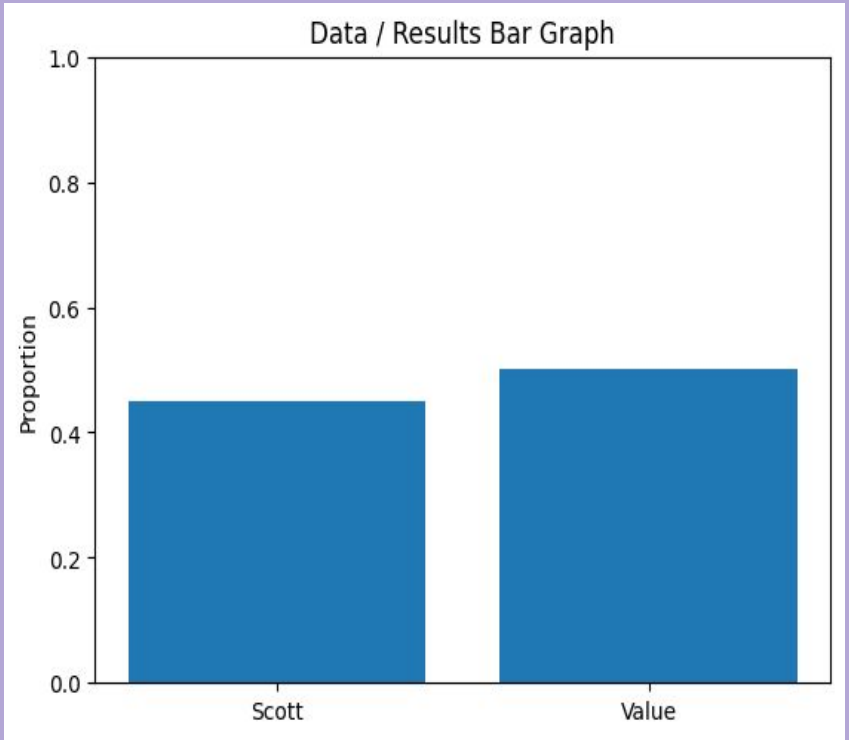
- ½ a cup of water onto a plate
- Place scott paper towels onto the plate for 15 seconds
- Measure how much water left
- Repeat for the value brand

Data/Results

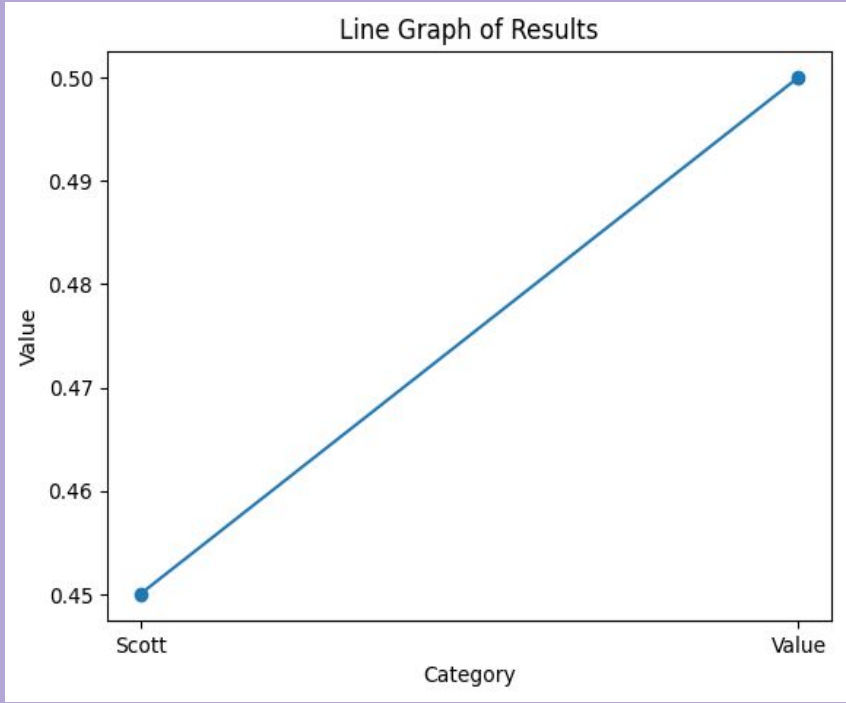
Scott :Little less than ½

Value : ½

Bar Graph



Line Graph



Analysys

The data shows that the scott brand absorbs more water than the value brand, This means the scott brand is better than the value brand.

The conclusion

My hopthisis was supported of the scott paper towle brand being better because of the exmperment I did and the evidence shown in the slides.

Errors happend

Next time I would make sure I had the measuring cup before trying to start my experiment.

Real world Connection

This is useful to the real world because it shows what brand will most likely be better so you dont use multiple paper towles for one spill and stop going back to the store and spend a lot of money.

Thank you for listing!.