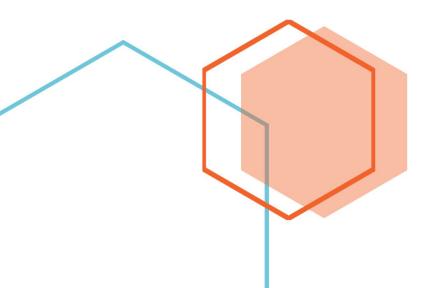
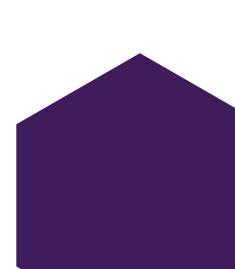


Part 1

Arranged by Melissa Nsiah





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The A/B Test Plan

I decided to test different variations of an ad for the collectibles and video game retail store, Chad's Game Room. The variable tested was the caption for each ad.

I evaluated performance based on engagement. Engagement was measured by the likes and comments each ad received. I hypothesized that variation 2 would be the winner, due to having more questions about specific hobbies. I believed that the caption would be more personalized based on the ability to garner a sense of familiarity from the audience.

Two groups were created to be tested on. Each group consisted of 40 members chosen through randomized selection.

It ran for a duration of three days (Tuesday to Friday).

I decided to test the ad, because I wanted to see how a change of captions could possibly differ in engagement based on the strategy. I am also familiar with the store's owner and will be helping with the store's marketing in the future, so performing these A/B tests will serve as practice.

The Content

The two versions were:

Variation 1 – Control: Looking for something to do during your break while you're working from home? Chad's Game Room has video games, comic books and collectibles to keep you entertained! Check us out at www.chadsgameroom.com or come visit us at 26 King Street West, Bowmanville, Ontario L1C 1R3!

Variation 2 – Test: Are you Team DC or Team Marvel? Do you prefer Pokemon or Magic the Gathering cards? Are you faithful to Nintendo, Playstation or XBOX? Chad's Game Room has video games, comic books and collectibles to keep you entertained! Check us out at chadsgameroom.com or come visit us at 26 King Street West, Bowmanville, Ontario L1C 1R3!

Changes after the Status Check

It's important to note that there was change from the original plan. Rather than the attached photos being altered, I decided to change the text of the post.

Since click-through rate couldn't be monitored due to the ad not being paid, the comments were monitored as a source of engagement alongside the likes.

The duration of the A/B Test changed from a week to 3 days (Tuesday to Friday). It was decided that the groups would only need a few days to engage with the post.

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Variation A



Looking for something to do during your break while you're working from home? Chad's Game Room has video games, comic books and collectibles to keep you entertained! Check us out at www.chadsgameroom.com or come visit us at 26 King Street West, Bowmanville, Ontario L1C 1R3!



Minh Trang, Ayyappan Thiru and 18 others

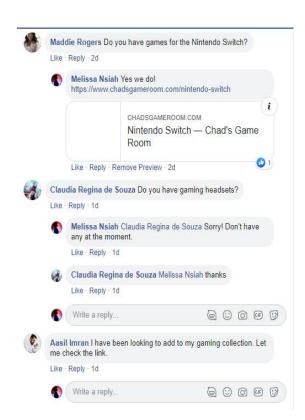
14 Comments Seen by 32





Engagement from Variation A

Most of the comments were inquiries about the store's offerings.



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Variation B



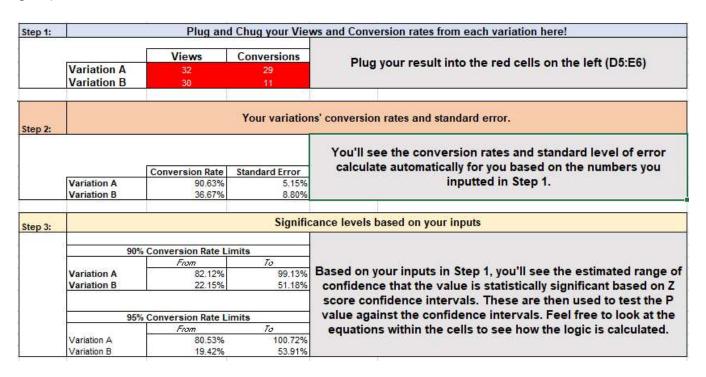
Sample Groups

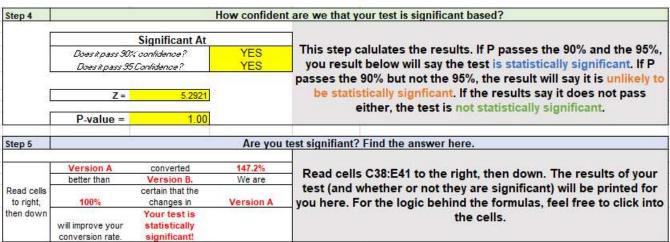
The test and control groups consisted of 40 members chosen through randomized selection. There were no set demographics needed to be chosen for the test.

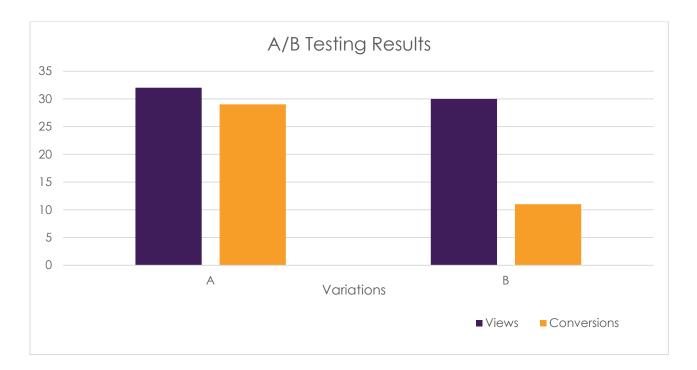
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Analysis and Key Learnings

I hypothesized that variation 2 would succeed, due to having more questions about specific interests, but variation 1 came out as the winner. I believe the text regarding working from home, resonated well with the audience more, due to it being a common factor for everyone in each group.







Variation 1 garnered more likes and comments, while variation 2 received only likes (which were less than the competing variation).

According to the A/B Testing Calculator, Variation A has a conversion rate of 90.63%, with a standard error of 5.15%, while Variation B has a conversion rate of 36.67%, with a standard error of 8.80%. Based on statistical significance, Version A converts 147.2% better than Version B. The test was statistically significant, since the p-value passes 95% confidence.

From this test, I learned that the caption may be an effective variable for enhancing the engagement of the audience. Though my previous hypothesis was incorrect, it was interesting to see how the audience engaged with both posts.

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