

# Muscle Hub Data Story

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# **INTRO**

#### What is this data story about?



The Gym MuscleHub is A/B testing their Subscription Process. More in particular the free Fitness Test



To do so, new visitors were divided into two groups A & B



The results were tested for significance using chi square statistical test as the data is categorical (subscription yes Vs. subscription no) and there are two categorical datasets (Group A & B)



## A/B Groups

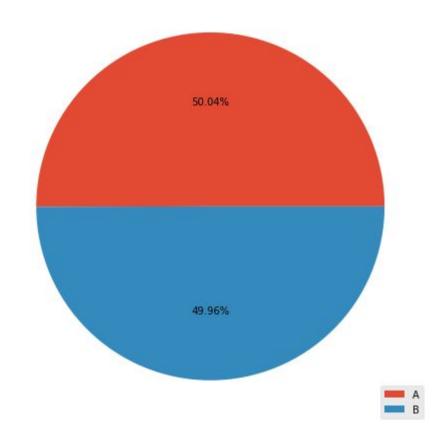
- Group B did not take the fitness test
- Group A took the Fitness test

### **Demographics:**

- Male: 2440

- Female: 2564

Group A vs Group B in %





### **Online Feedback**

#### **Qualitative Data**



I always wanted to work out like all of the shredded people on the fitness accounts I see on Instagram, but I never really knew how to start. MuscleHub's introductory fitness test was super helpful for me! After taking the fitness test, I had to sign up and keep coming back so that I could impress my trainer Rachel with how much I was improving!

- Cora, 23, Hoboken



I took the MuscleHub fitness test because my coworker Laura recommended it. Regretted it.

- Sonny "Dad Bod", 26, Brooklyn



# 1st Funnel Step Application

 The biggest percentage of applications came from the B group (no fitness test)

- The difference was significant as proven by the chi square test results. p value < 0.05

is_application	Application	No Application	Total	Percent with Application
ab_test_group				
Α	250	2254	2504	9.984026
В	325	2175	2500	13.000000

There is a significant difference as the pvalue is < 0.05: 0.00096



# **2nd Funnel Step**

# Became member if Application

- In this step of the funnel we exclusively look at the number of visitor who did pick up an application
- Once the dataset is filtered we look at how many of these applicants became members
- The biggest percent of memberships came from the A group (fitness test)
- However, the results were not statistically significant as proven by the chi square test results. p value > 0.05

# is\_member Member Not Member Total Percent Purchase ab\_test\_group A 200 50 250 80.000000

75

325

76.923077

There is no significant difference as the pvalue is > 0.05: 0.43259

250

В



# **Zooming Out**The big picture

- In this slide we are looking at the conversion rate for all the visitors in terms of the 2 groups
- The biggest percent of memberships came from the B group (No fitness test)
- The results were statistically significant as proven by the chi square test results. p value < 0.05</li>

# is\_member Member Not Member Total Percent Purchase ab\_test\_group A 200 2304 2504 7.98722 B 250 2250 2500 10.00000

There is significant difference as the pvalue is < 0.05: 0.01472



### **Takeaways**

- Gymgoers are highly inclined to become gym members once they pick up an application (A 80% & B 76%). Note that this percentage difference is not statistically significant
- Therefore Musclehub should focus its efforts on increasing the number of applications.
- To do so we suggest to offer a non-mandatory fitness test.

