

# CUSTOMER SEGMENTATION

# The Market

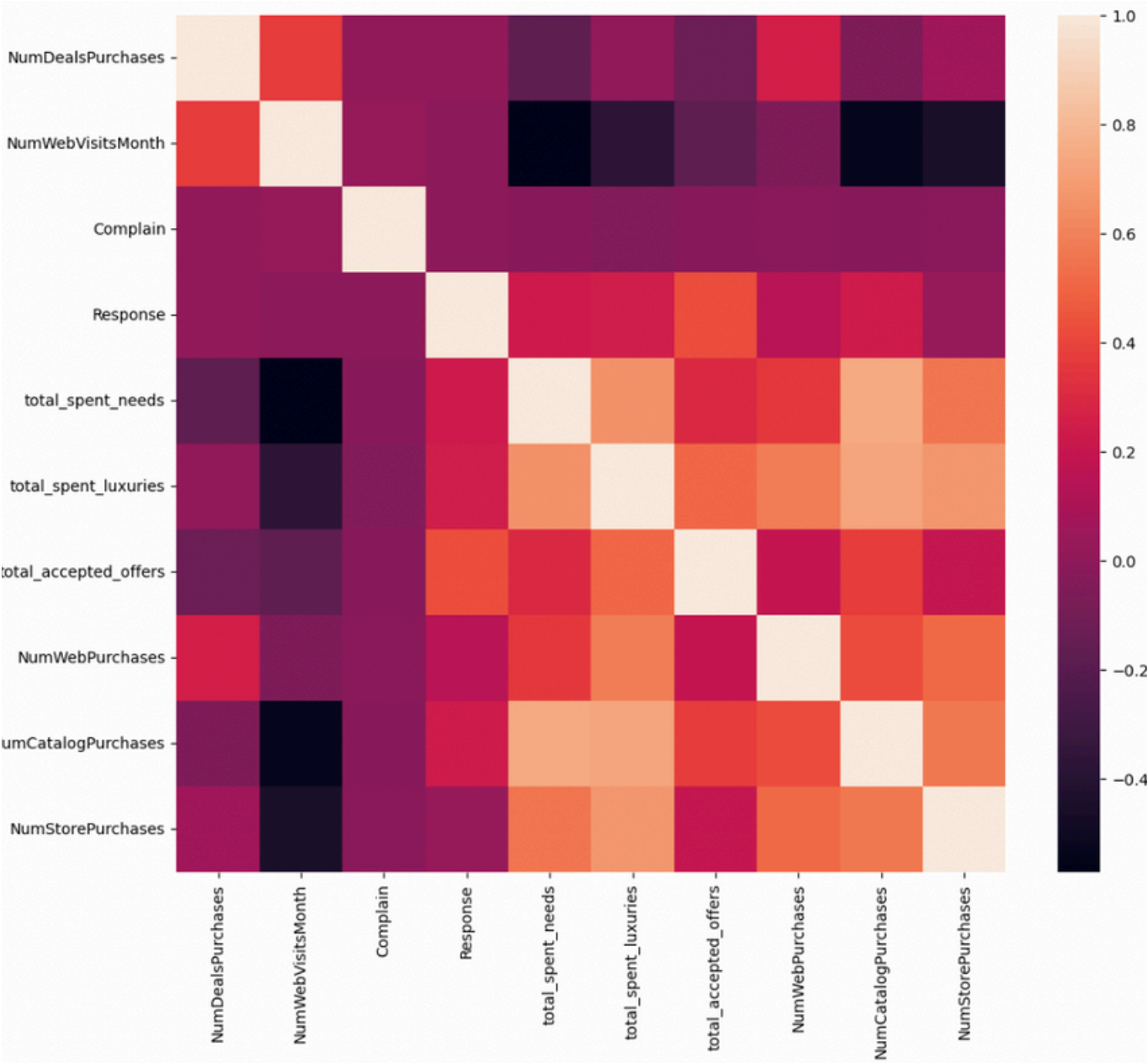
# About The Proposal

## Problem Definition

Our company has limited resources, how can we use them in the most efficient way possible?

### The Ideas

Advertising to an entire consumer base is not feasible anymore, we need to better understand our customer so that we can better serve them.



## The Market

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# How do we better understand our customers?

## Customer segmentation through clustering

### Who are our customers?

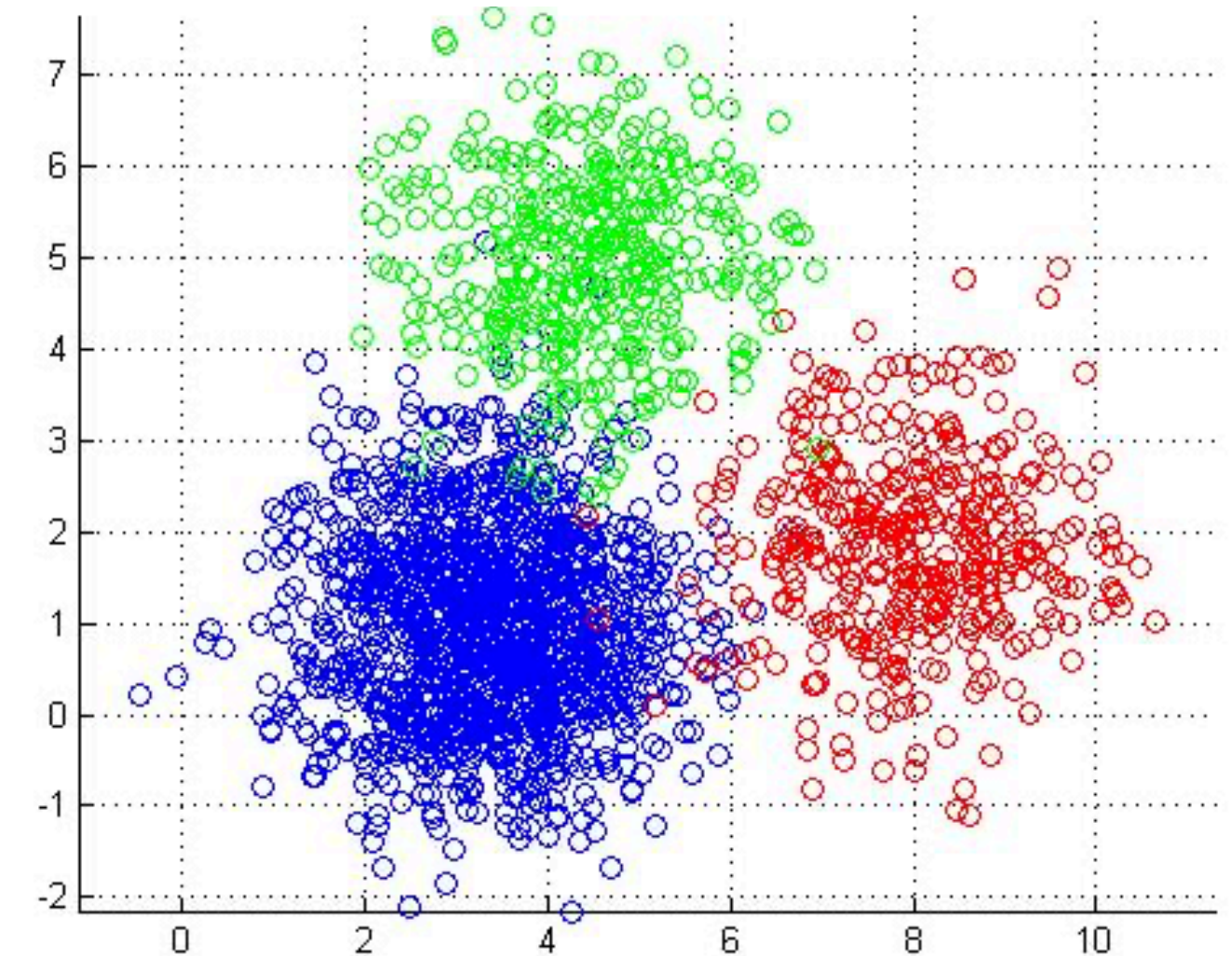
Examine the data we have  
and what they can tell us

### How are they similar?

Using clustering algorithms  
to segment the customers

## About The Strategy

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## **Proposed Model**



### **Step 1**

Perform EDA. Identify customer demographics, tendencies, and correlations



### **Step 2**

Use PCA to determine the impactful variables



### **Step 3**

Test different clustering algorithms to see which makes the best clusters



### **Step 4**

Profile the clusters and make recommendations based off the profile

## The Market

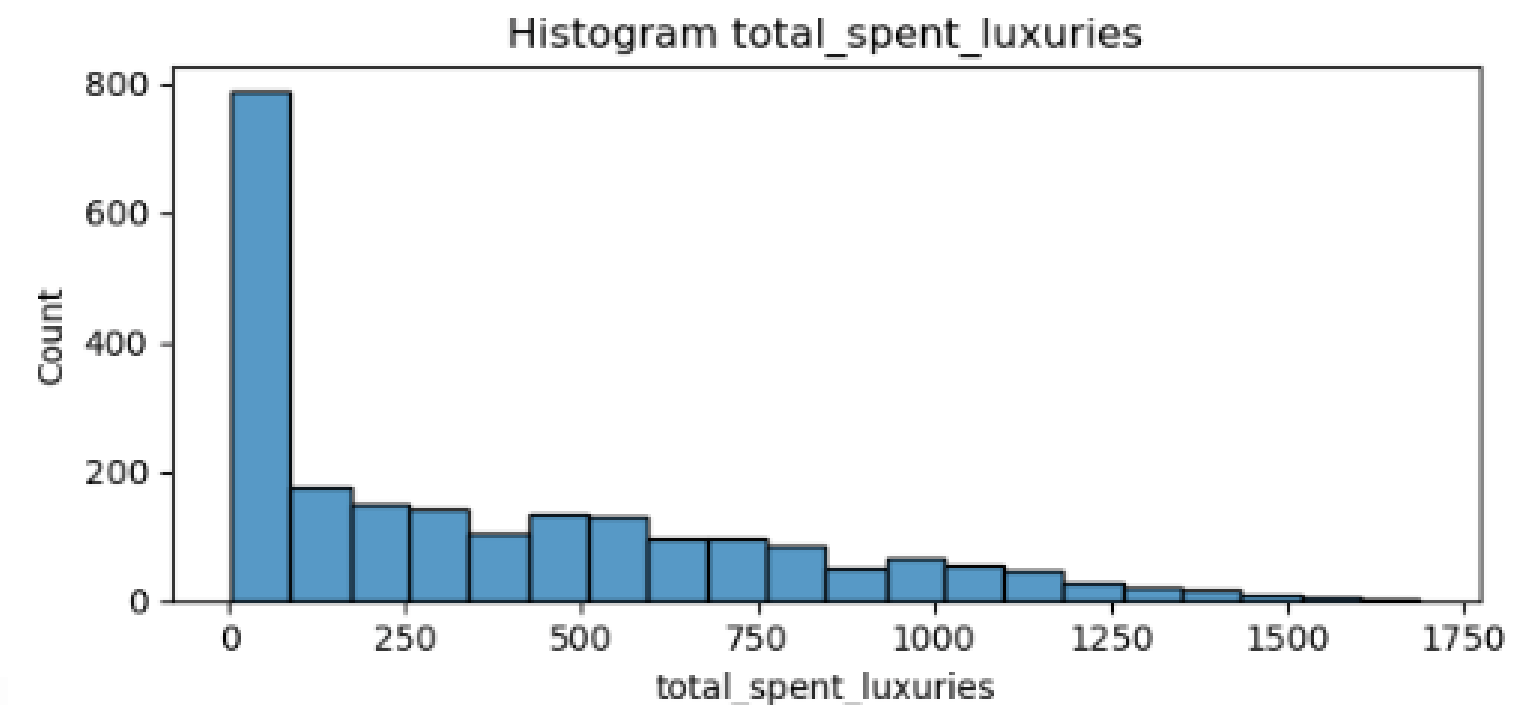
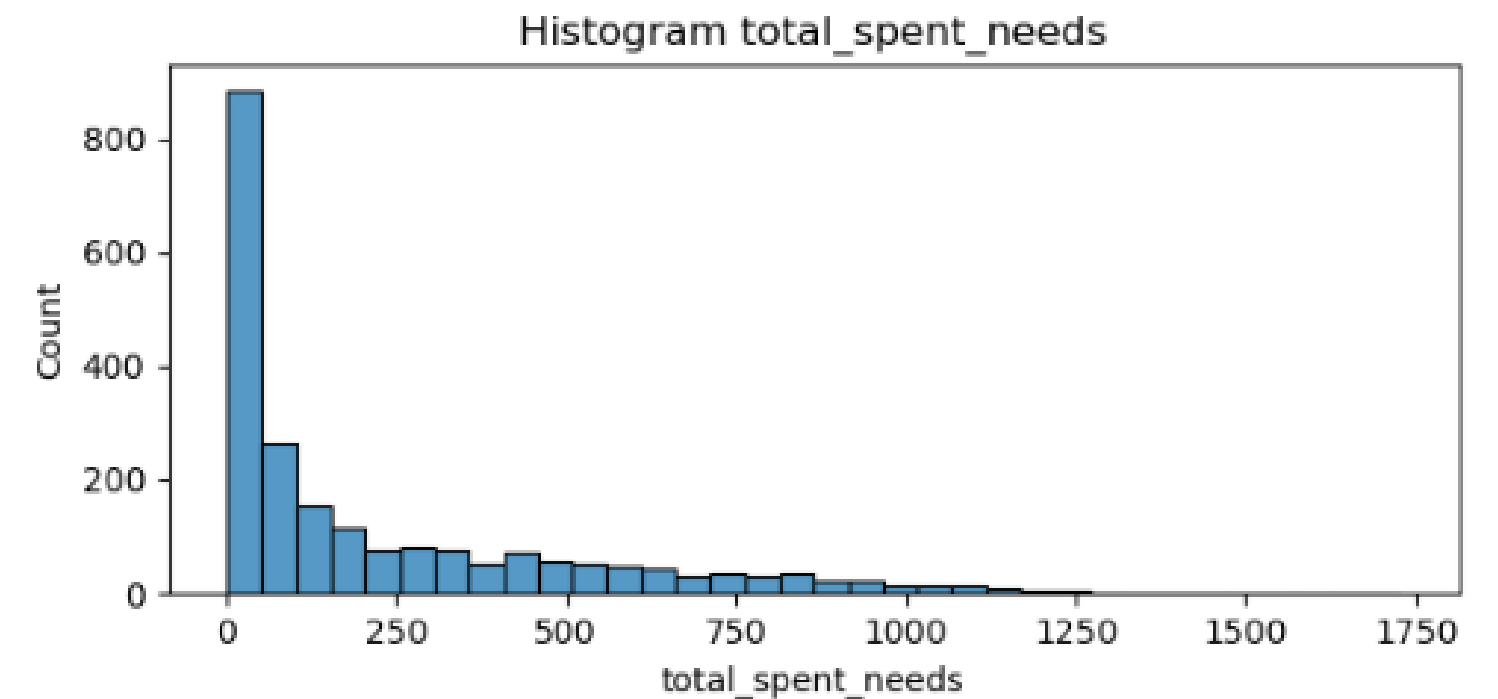
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# Key Findings & Insights

Our most important finding that was consistent in all the techniques we tested, is that there is a large group of similar customers who make very few purchases

There's potential in emphasizing higher priced products

Education and income need to be, unsurprisingly, essential in our marketing decisions



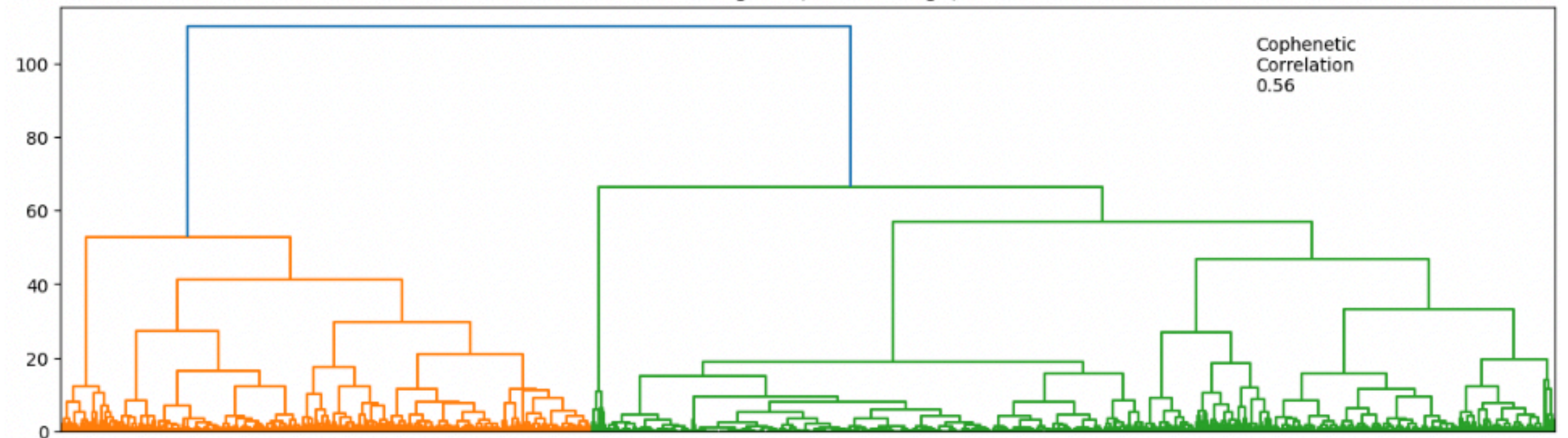
## About The Plan

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## The Market

# The Clusters Analysis



### Cluster 0

Large number of high income, educated adults with few or no children. Relatively high spending

### Cluster 1

Middle class families with one or more children. They look to get the most bang for their buck.

### Cluster 2

Single parents with high education.

### Cluster 3

Largest cluster with very low purchasing power. Least education and lowest income.

### Cluster 4

Highest spending cluster made up of high educated and our highest income customers with no children. These are our most receptive customers to marketing campaigns

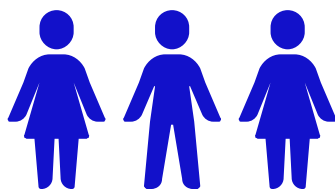
### Cluster 5

Smallest cluster made up of the customers who have complained in the last 2 years.

We found that Hierarchical Clustering produced the most cogent clusters.

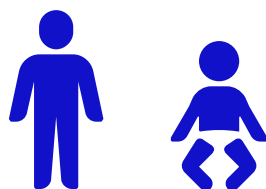
Recommendations  
& Next Steps

Eliminate as much waste as possible and re-focus our use of resources on higher profit opportunities



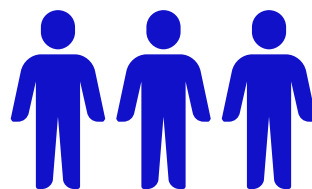
Grow Cluster 4

Invest in Instagram and Facebook ads that are able to target users that fit this cluster profile.



Encourage Loyalty  
in Cluster 3

They should feel appreciated and given ample reasons to keep coming back



Continue Testing

Presentations are typically speech meant to inform new idea.

+100%

+10%

## The Market

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## About The Profit

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### Benefit Of Our Proposal

We will be much more efficient with our resources. With our prior strategy our accepted campaign rate was roughly 9% because so many offers went to people who were never going to purchase anything in the first place

**9%** —————→ **20%**







**The Market**



**THANK YOU**