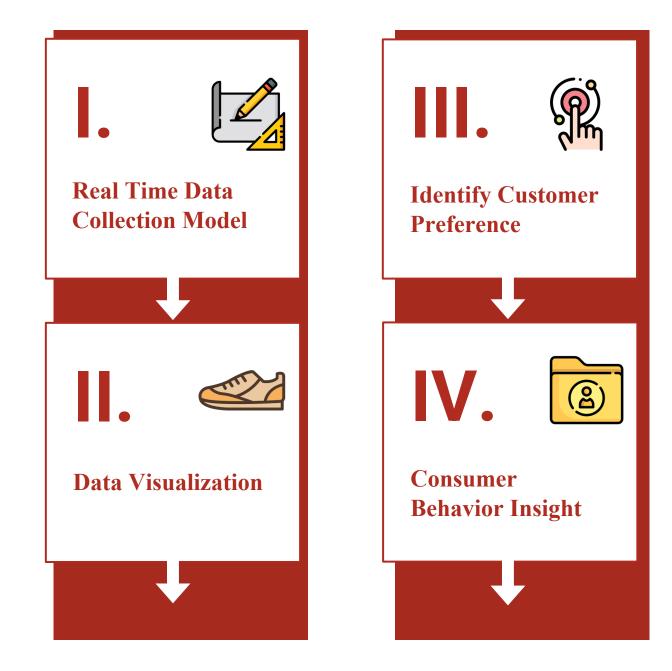
# VANS DATA VISUALIZATION MSMI APPLIED PROJECT 2019





XIAOYU WANG, MINHANG WANG, SHIYUN ZHONG, JIAYUN ZHU 2019.07.29

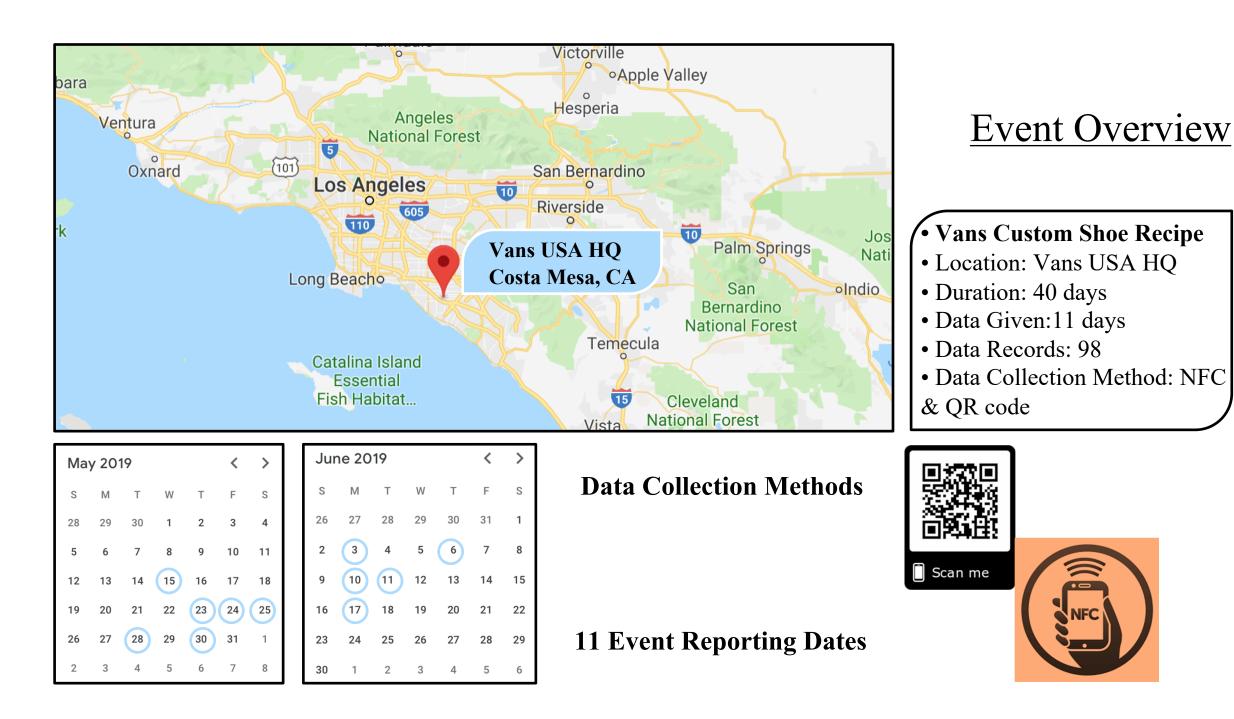




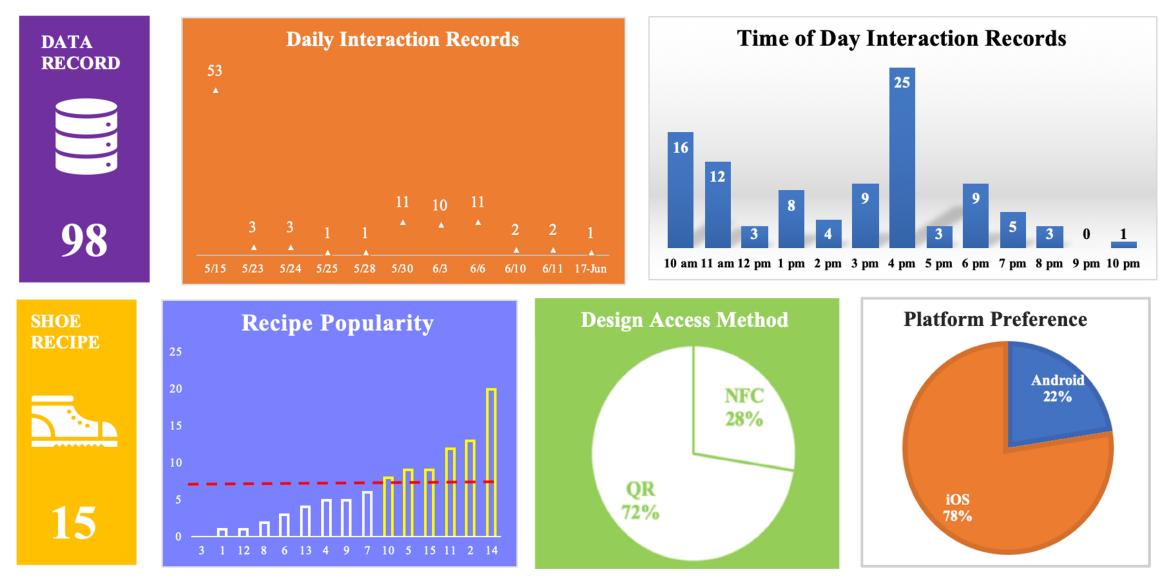
VANS



# Event & Data Overview



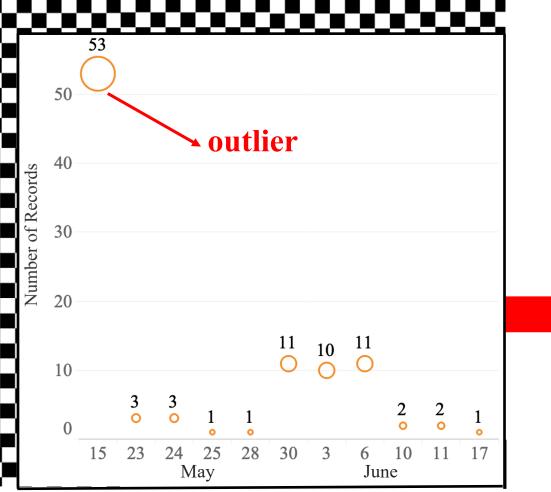
# Real Time Data Reporting







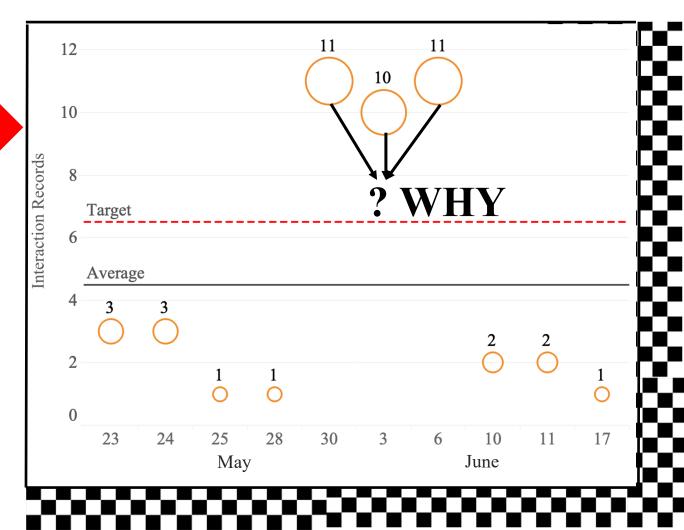
# Interaction Record Analysis

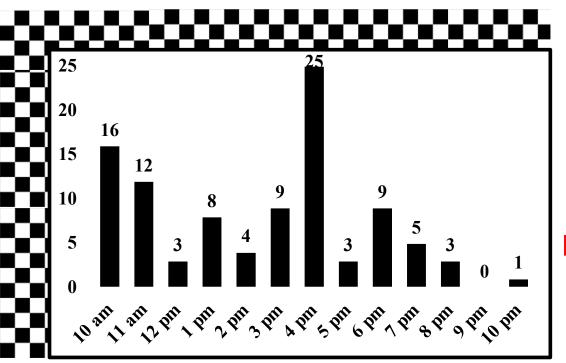


• An outlier record of 53 interactions on the first day

- Average record in the rest of days is **4.5** interactions, less that a <u>hypothetical</u> target of **6.5**.
- May 30<sup>th</sup>, June 3<sup>rd</sup>, 6<sup>th</sup> days with most interactions.

# **Daily Interaction Records**

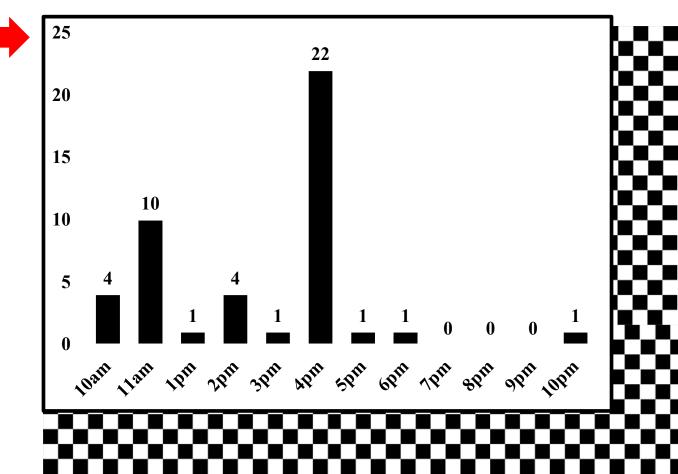




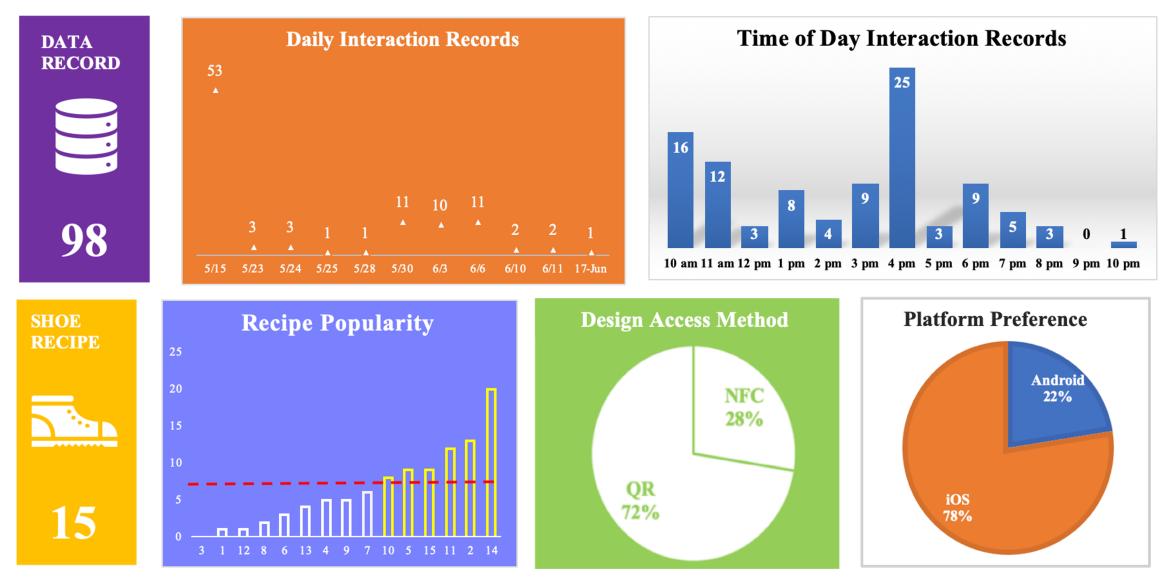
- 4 pm was the peak time of interactions.
- More interactions in the morning. Few interactions after 6 pm.

# Time of Day Interactions

### **Exclude Outlier**



# Real Time Data Reporting



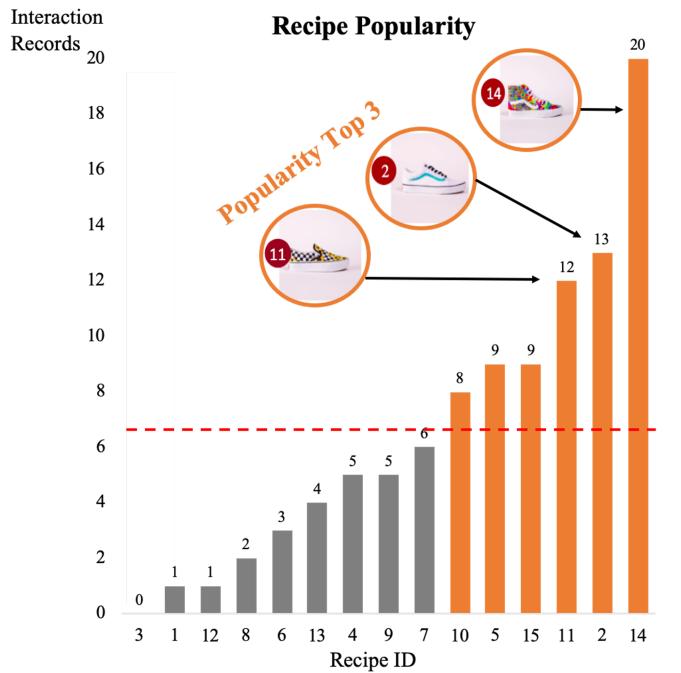


# Shoe Design Analysis

# 15 Recipes of Shoes Design Starters



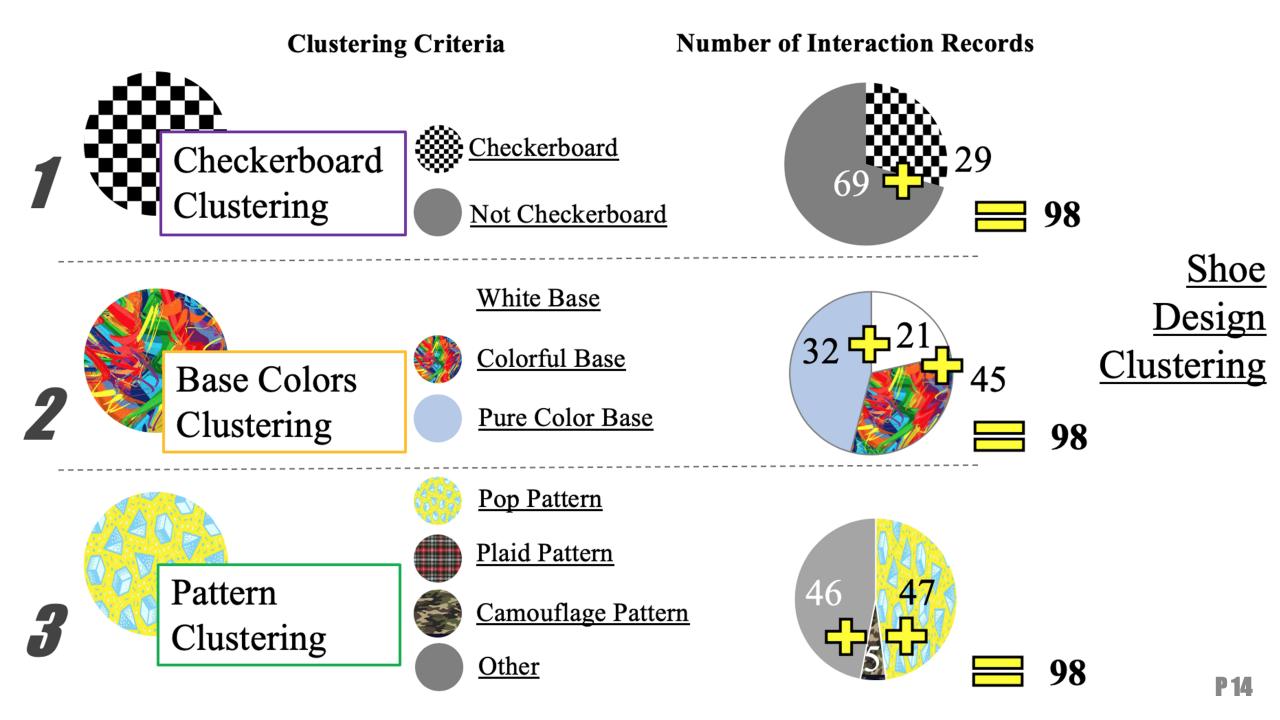
PERSONALITY PERSONALITY PERSONALITY PERSONALITY PERSONALITY



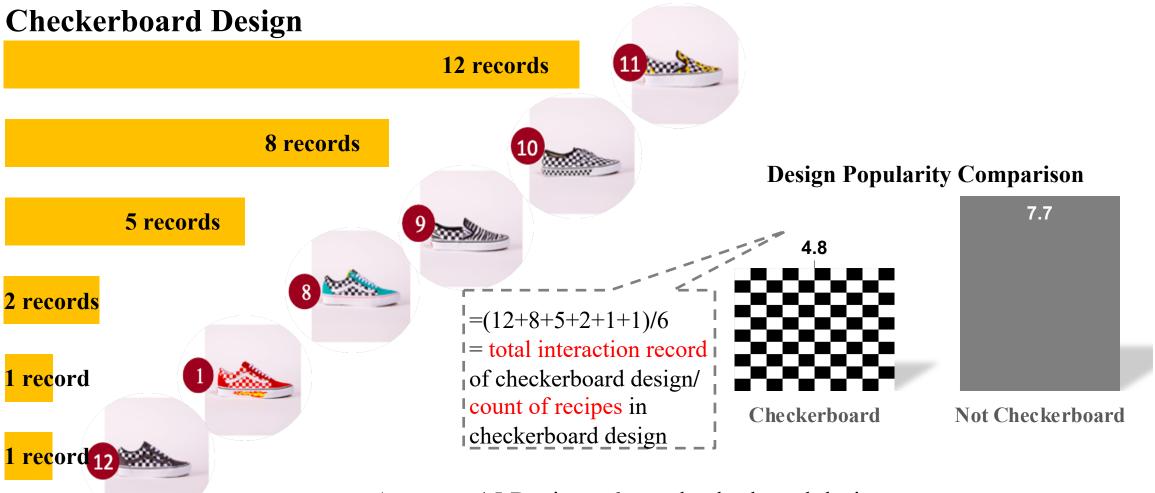
### **Recipe Popularity Overview**

• Amongst 15 recipes, Recipe No.14 is the most popular one.

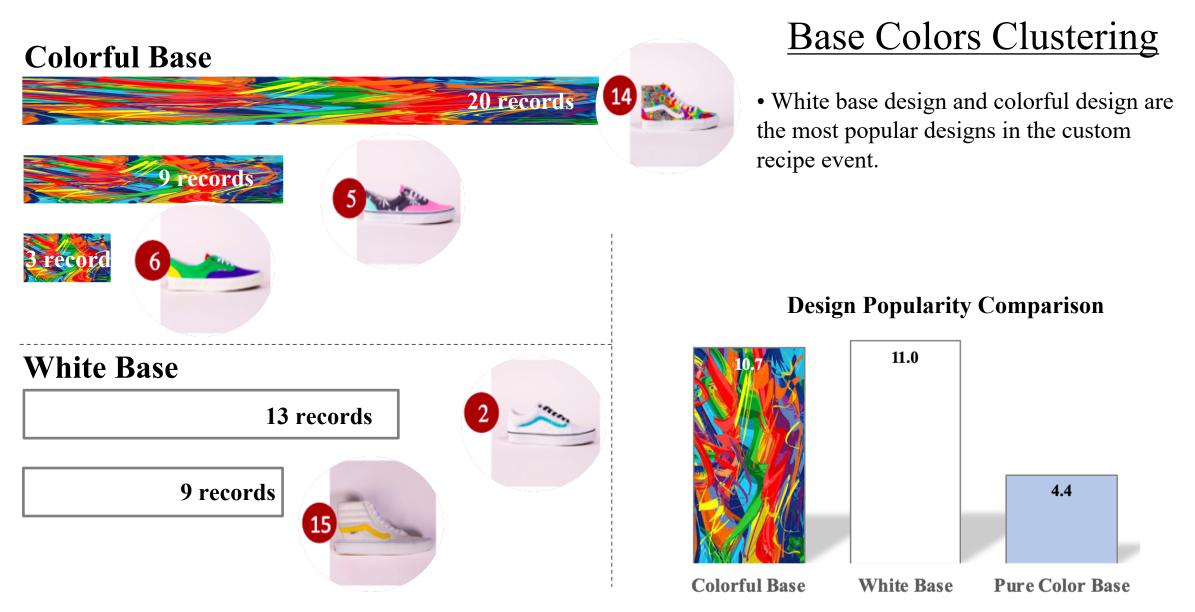
• Over half of the recipes were not so popular and did not reach the average interaction records.



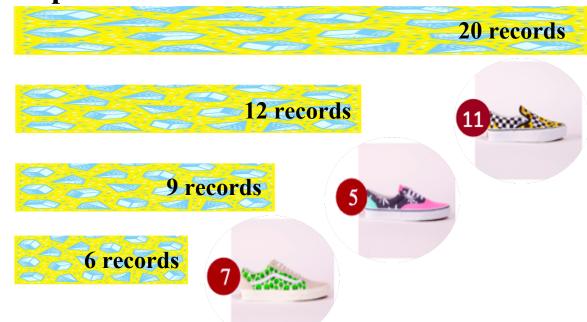
# **Checkerboard Clustering**



- Amongst 15 Recipes, 6 are checkerboard design.
- Checkerboard cluster is not as popular as others.



#### **Pop Pattern**



### **Camouflage Pattern**





### **Plaid Pattern**

0 records



# Pattern Clustering

• Pop pattern is the most popular design, while the plaid pattern is less popular than the other pattern designed styles.

**Design Popularity Comparison** 

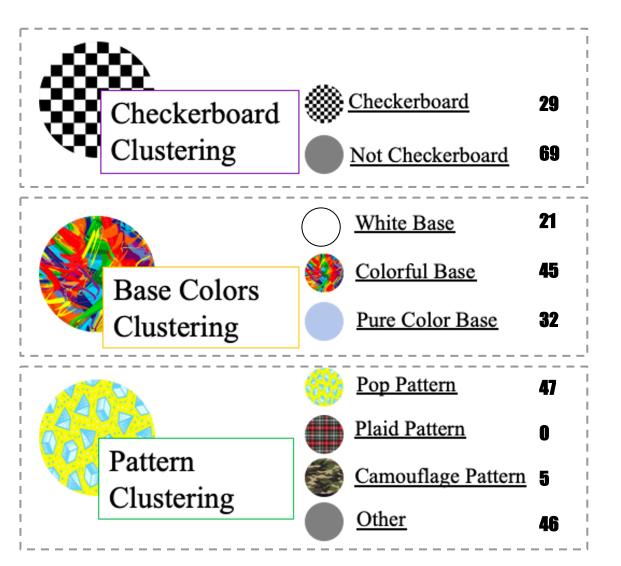




Pattern



## **Clustering**



# Here,

What Vans Can Learn From the Analysis About Clustering.

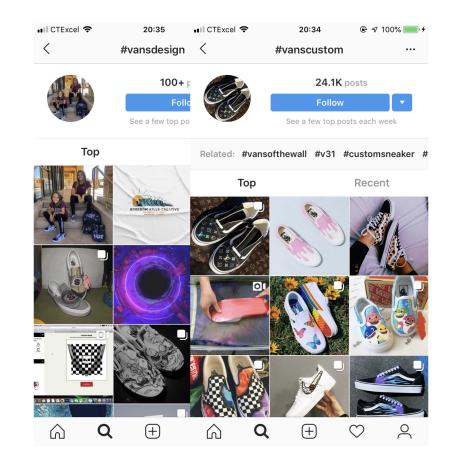
Checkerboard not as popular as other style right now.
Classic Vans design -- but not as <u>personalized</u>

- Colorful based shoes are **personality**.
- Simple color based shoes can design without limitation.
- As the target customers of Vans are <u>personality</u>, pop pattern is the most attractive style.

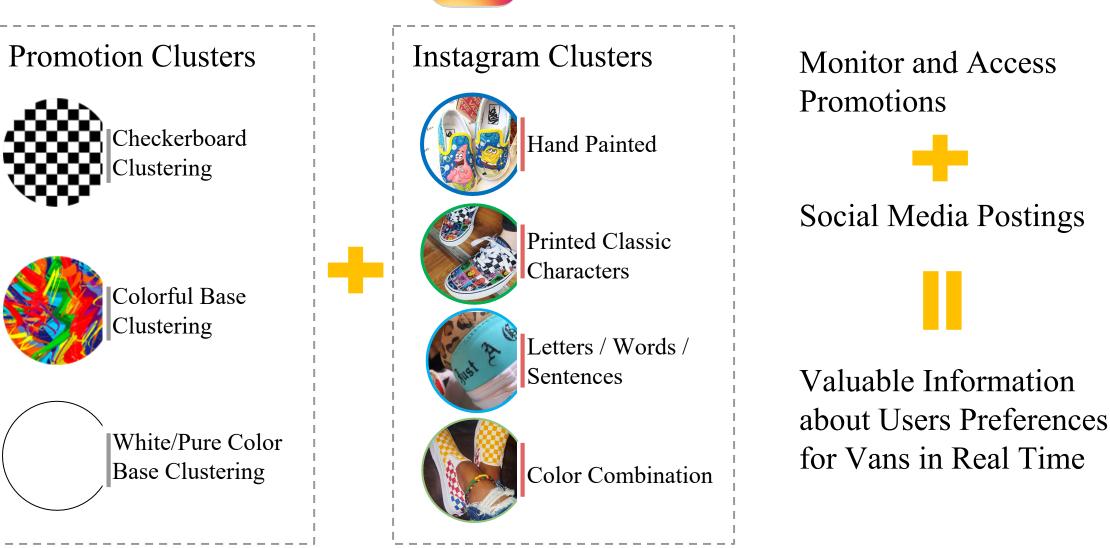
# We added another source of data



**Instagram** #vanscustom #vansdesign Visual over hundreds of customers designed shoes in two **#hashtags**.







Instagram







Popular Vans Custom Designs -- Design Selection Affects Recipe





**4** Color Combination

• Highest popularity type for shoes customization: hand-painted, classic characters printed, letters and color combination.

# Checkerboard Design Clustering Model

Checkerboard Hand Painted Change Color Combination Printed Classic Characters



**Not Checkerboard** 





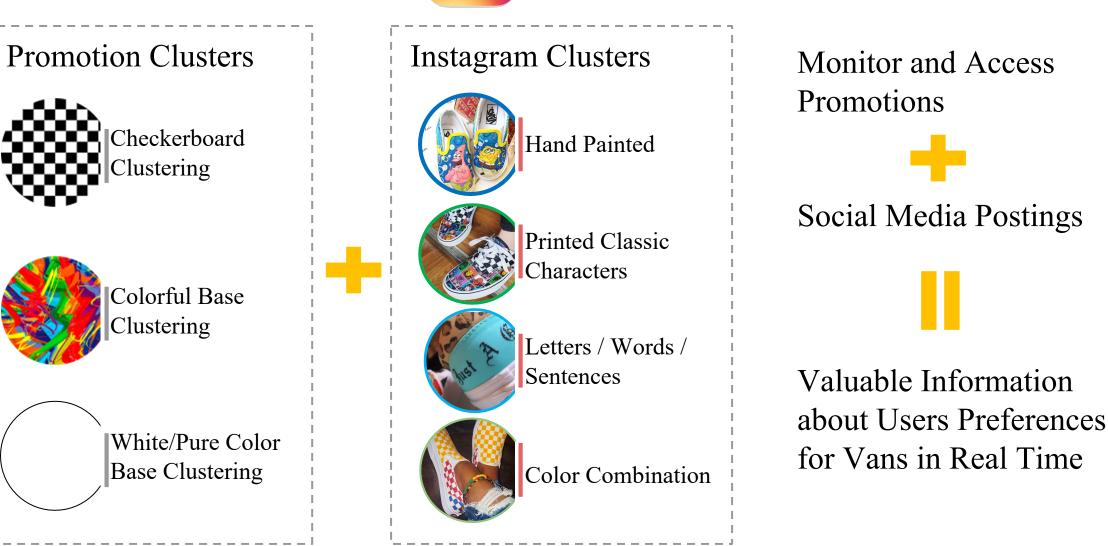




## Base Colors Design Clustering Model







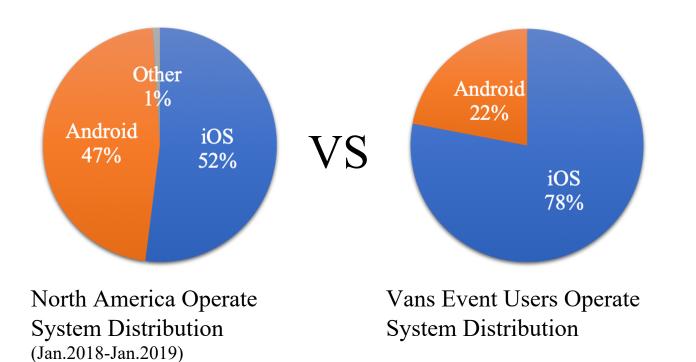
Instagram





# Design Access Method Analysis

# **User Platform Analysis**



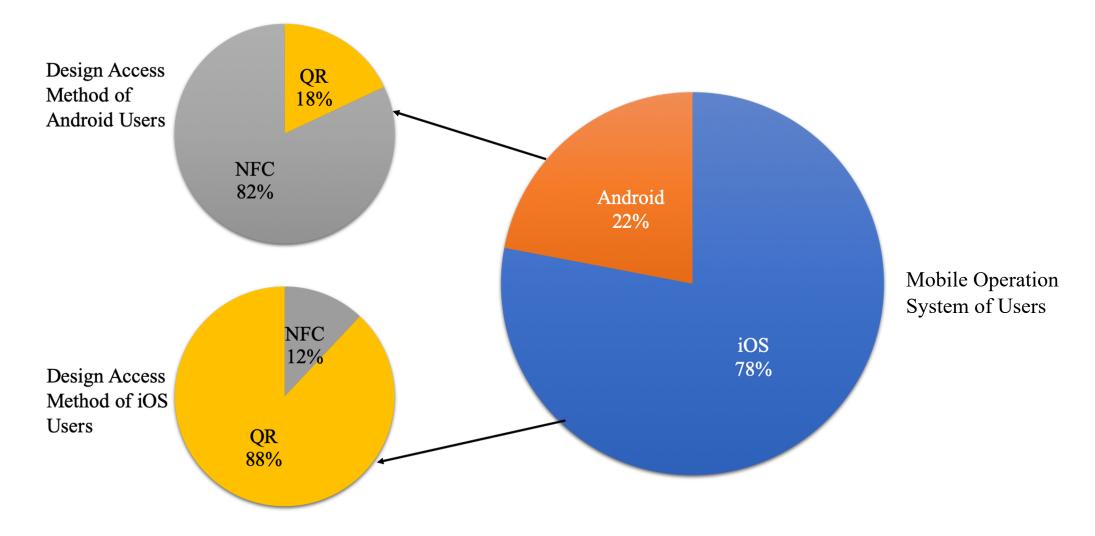
# WHY

• The target group of Vans event is the **young generation**. They prefer iPhone to Android phones.

Source:

https://www.macworld.co.uk/feature/iphone/iphone-vs-android-market-share-3691861/ https://www.businessinsider.com/apple-iphone-popularity-teens-piper-jaffray-2018-4

## Design Access Method Analysis



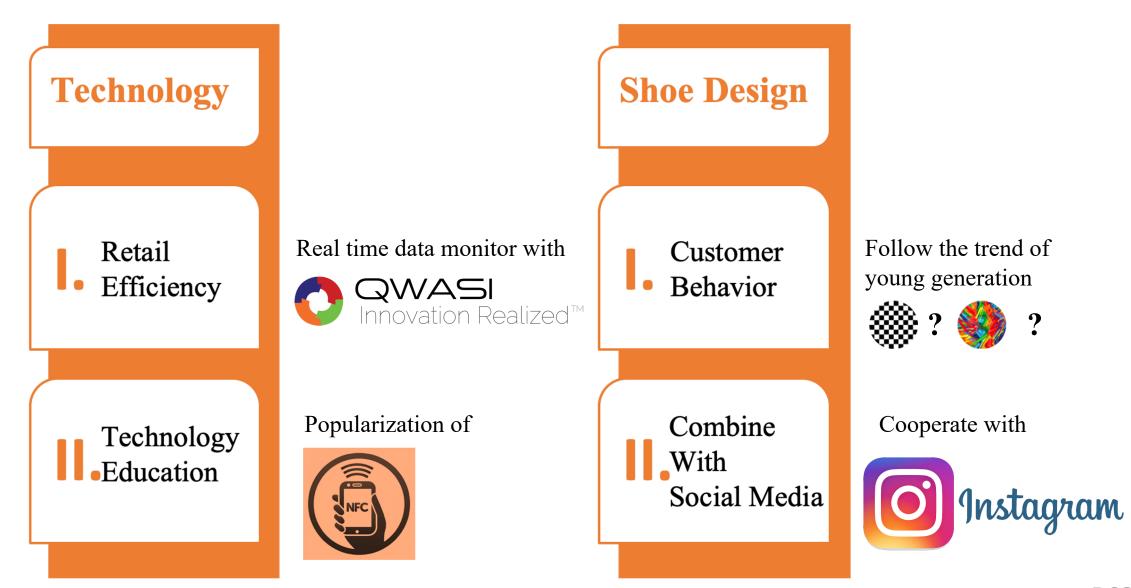
• A technical limitation exists. While all Android phones can read NFC tag, not all iPhone can read NFC tag.





# ecommendations

# Recommendations



# THANK YOU

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