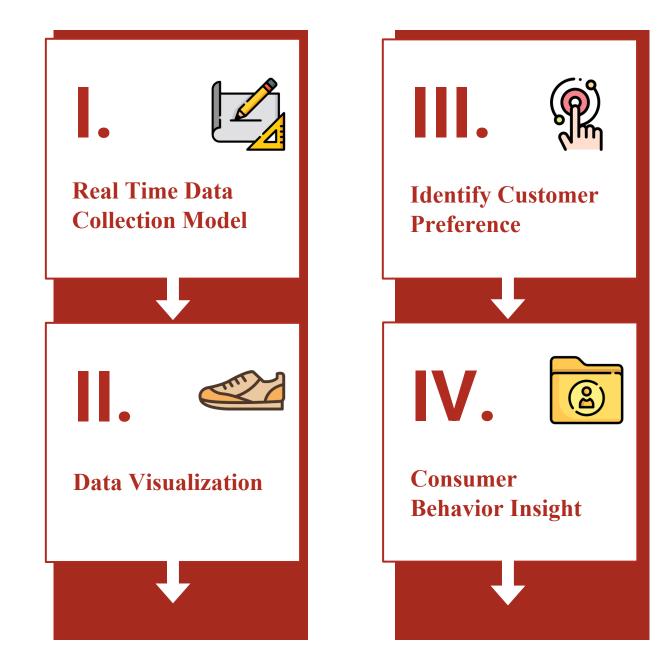
VANS DATA VISUALIZATION MSMI APPLIED PROJECT 2019





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

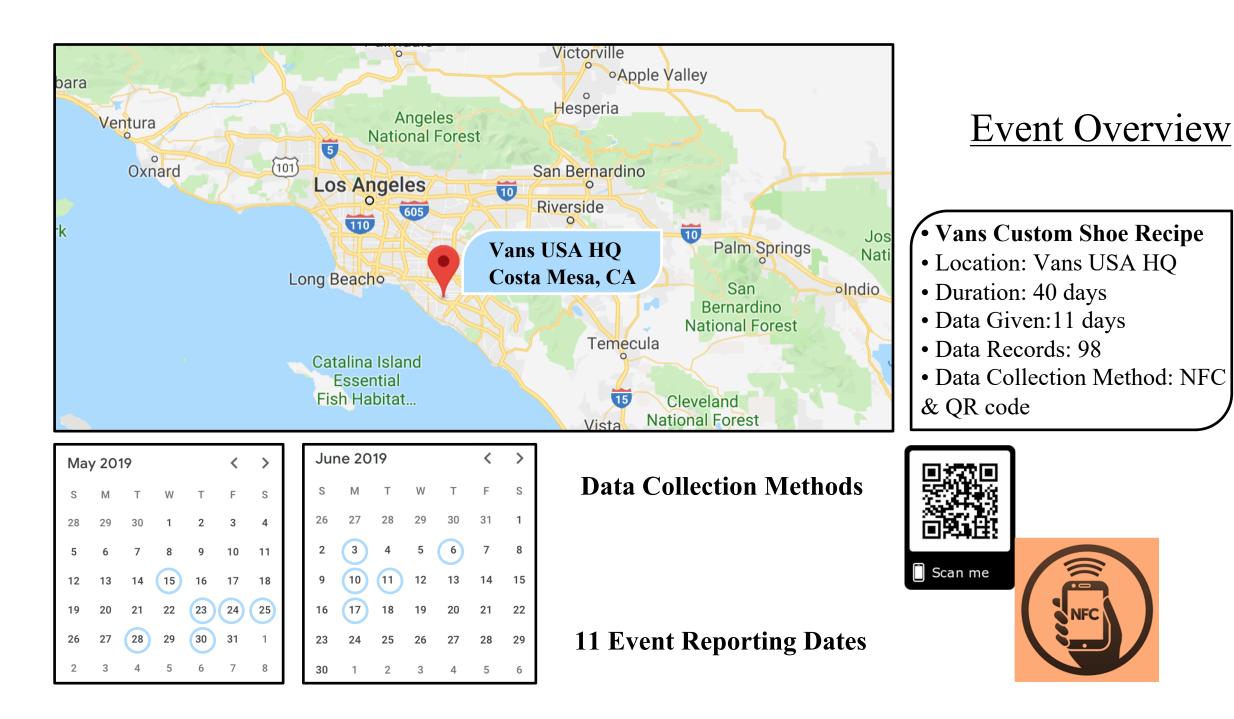




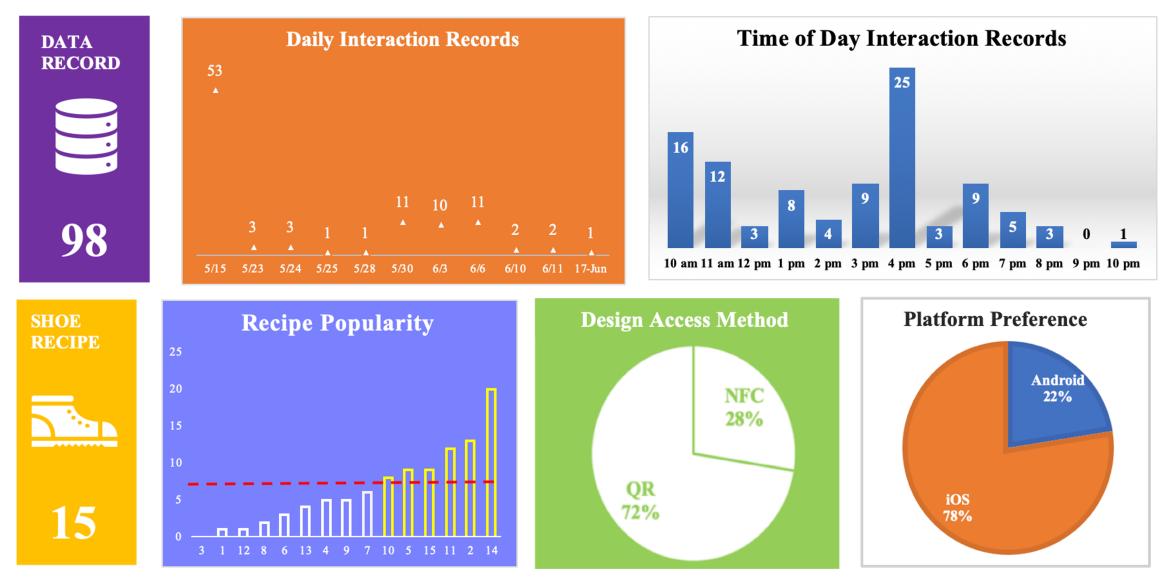
VANS



Event & Data Overview



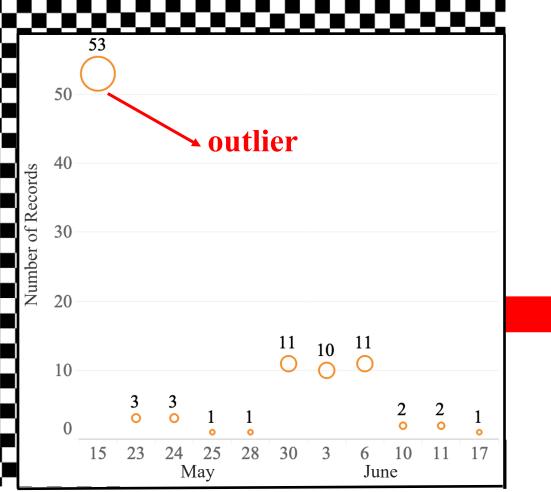
Real Time Data Reporting







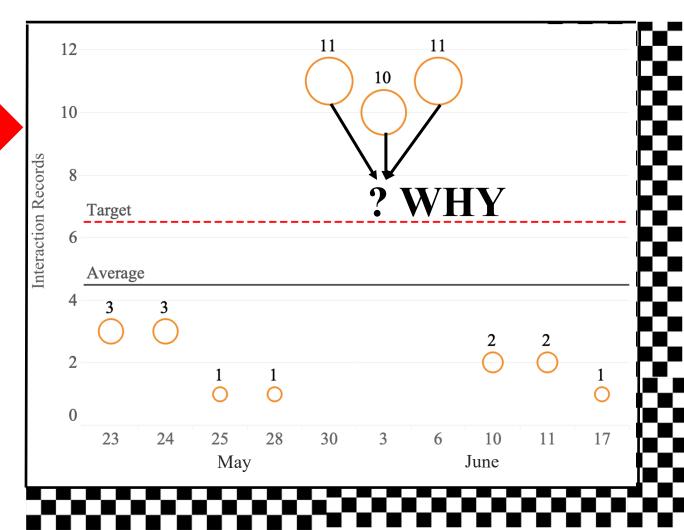
Interaction Record Analysis

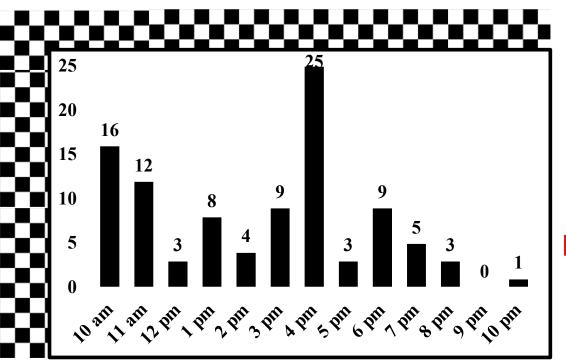


• An outlier record of 53 interactions on the first day

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

Daily Interaction Records

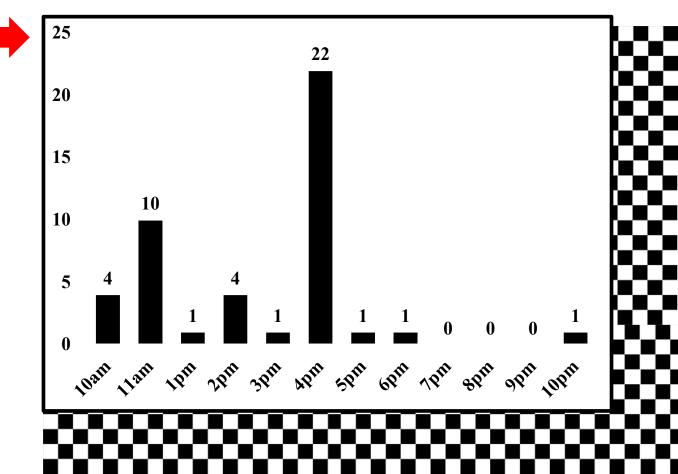




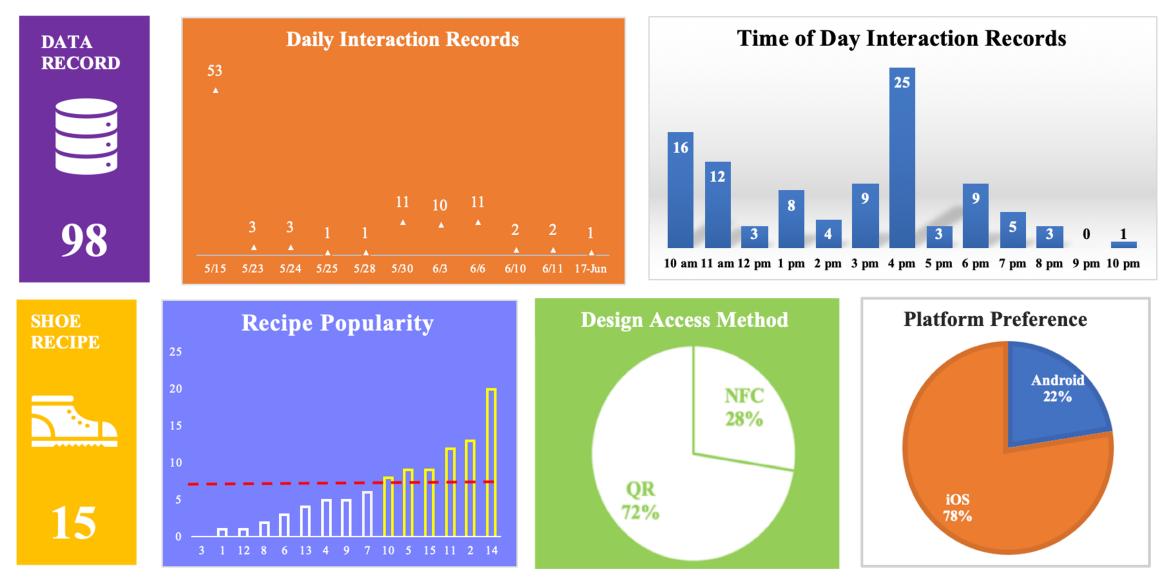
- 4 pm was the peak time of interactions.
- More interactions in the morning. Few interactions after 6 pm.

Time of Day Interactions

Exclude Outlier



Real Time Data Reporting



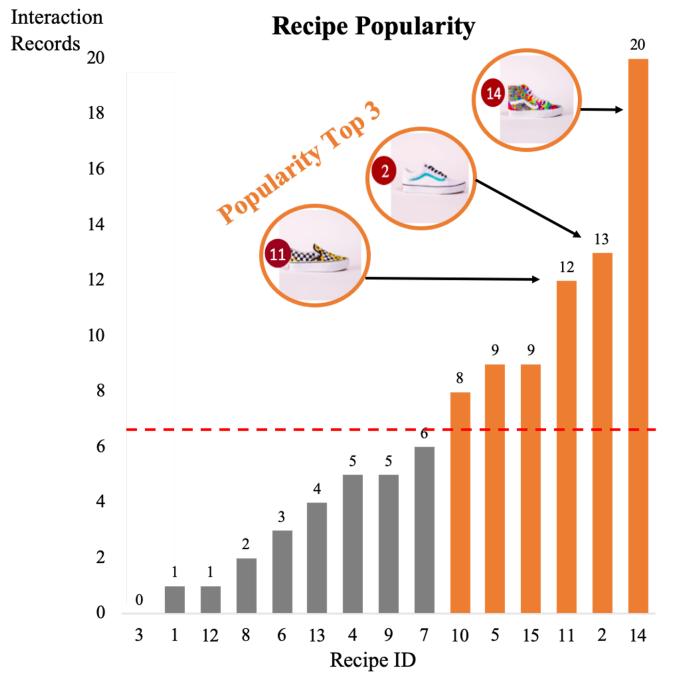


Shoe Design Analysis

15 Recipes of Shoes Design Starters



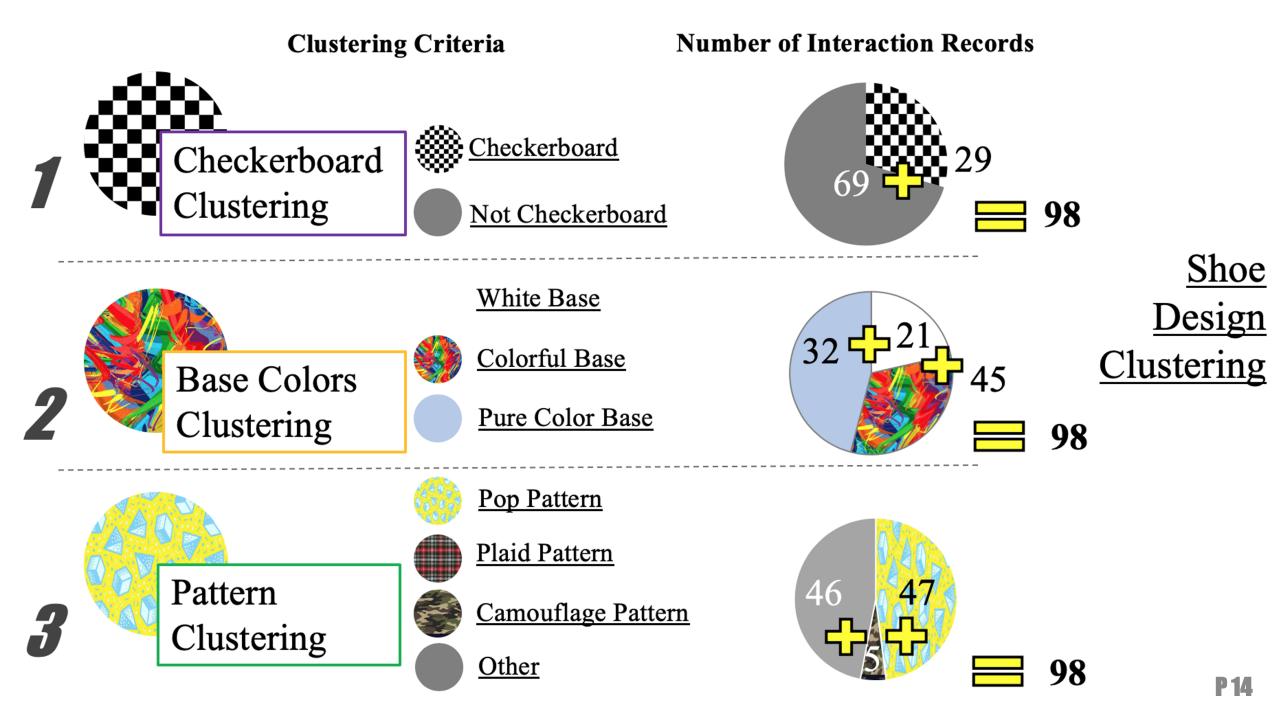
PERSONALITY PERSONALITY PERSONALITY PERSONALITY PERSONALITY



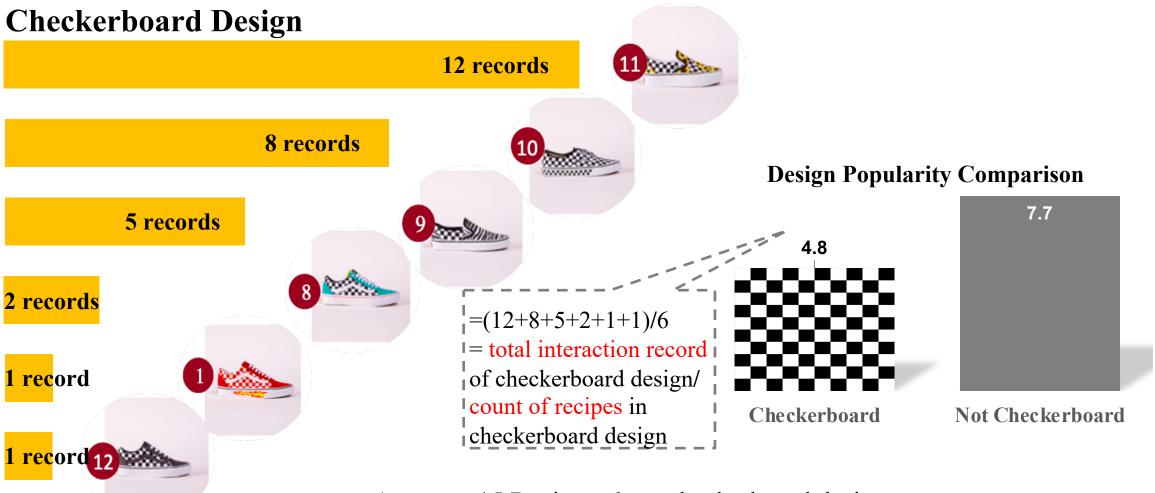
Recipe Popularity Overview

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

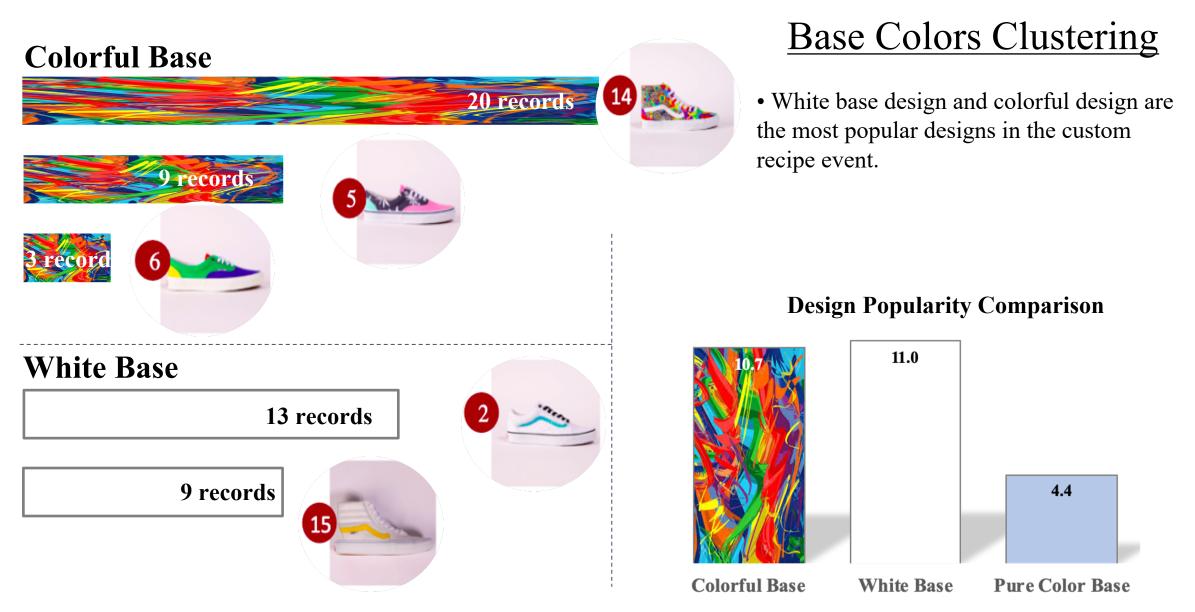
• Over half of the recipes were not so popular and did not reach the average interaction records.



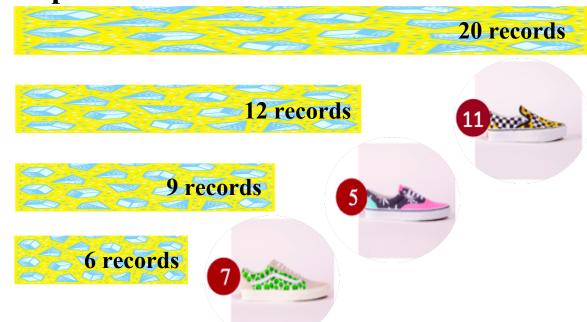
Checkerboard Clustering



- 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

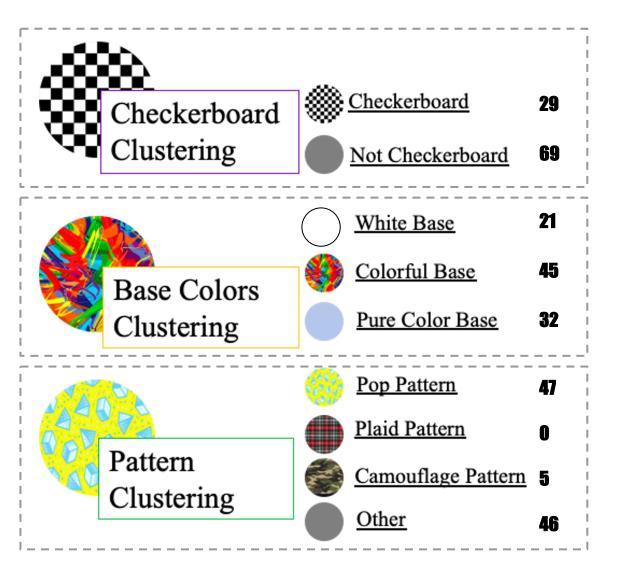




Pattern



Clustering



Here,

What Vans Can Learn From the Analysis About Clustering.

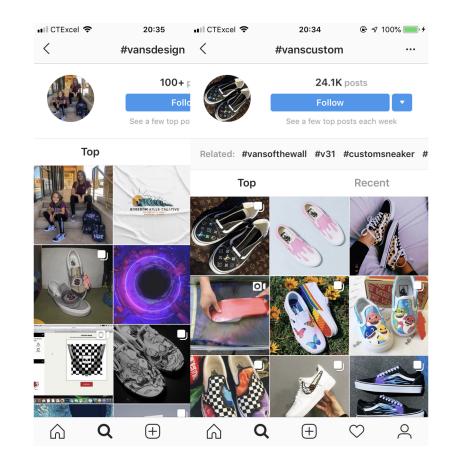
Checkerboard not as popular as other style right now.
Classic Vans design -- but not as <u>personalized</u>

- 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.

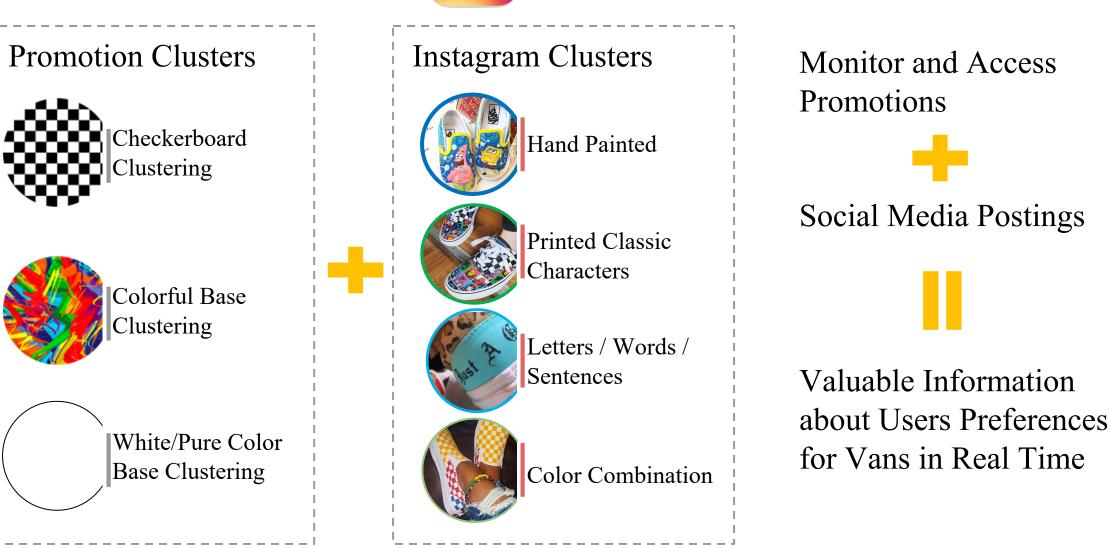
We added another source of data



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





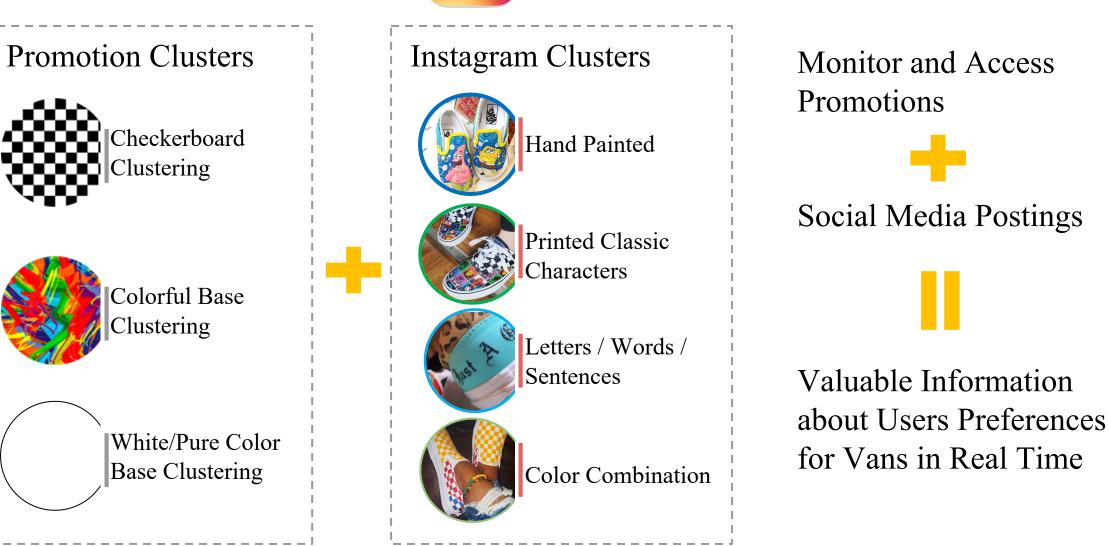




Base Colors Design Clustering Model







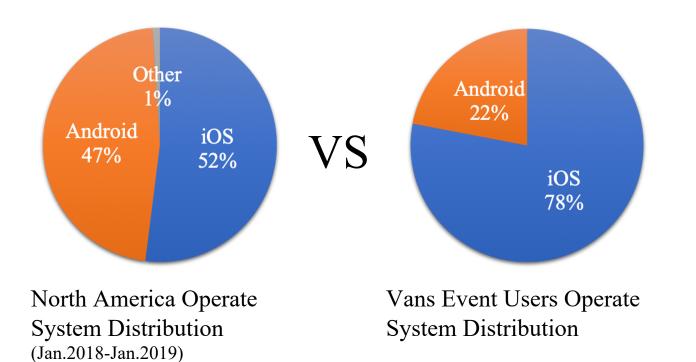
Instagram





Design Access Method Analysis

User Platform Analysis



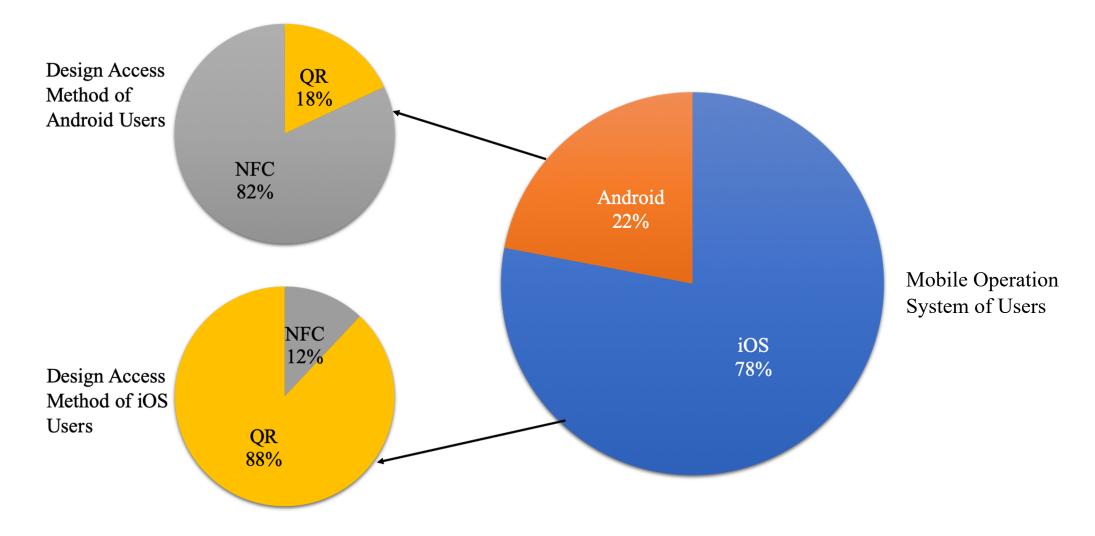
WHY

• 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



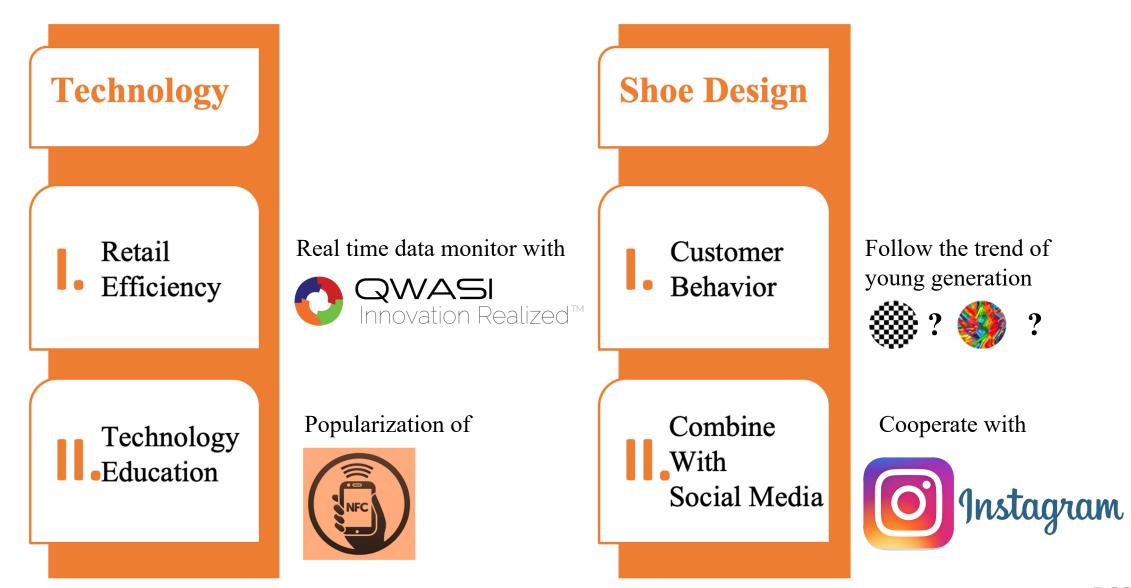
• A technical limitation exists. While all Android phones can read NFC tag, not all iPhone can read NFC tag.





ecommendations

Recommendations



THANK YOU

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