

A photograph of a man with curly hair sitting on a bed, holding a vintage camera up to his eye to take a picture of a Corgi dog sitting next to him. The background shows a wooden nightstand and a wooden dresser.

Amazon Hackathon: WOOF Score

amazon ads

Team: M.I.T Agency

Overview

amazon ads

Why WOOF Score?



WOOF Score: Business Model



WOOF Score: Journey Mapping



WOOF Score: Features Selection



WOOF Score: Future Implementation



Amazon Ads Clients are complaining and quitting

I feel risky to pay for Ads because I don't know if my campaign is efficient or not

I am always confused how to buy sponsored ads because I can't define my target audience

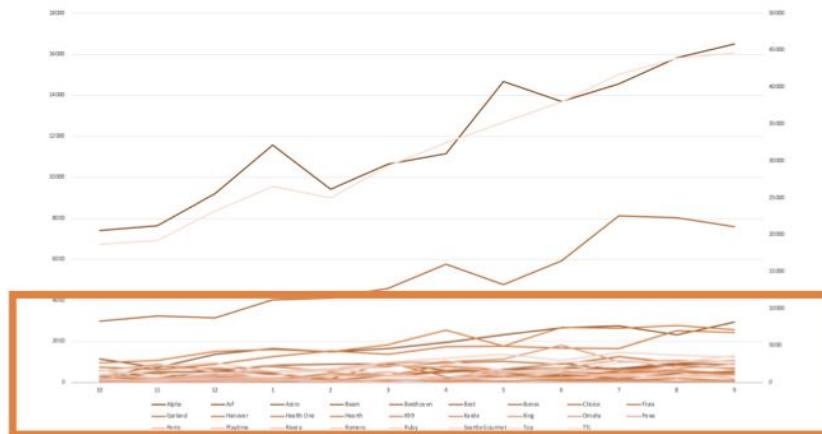
From the Industry report, Walmart has better ROAS than Amazon, we decide to move on to new platform!

The ads take away all my budgets

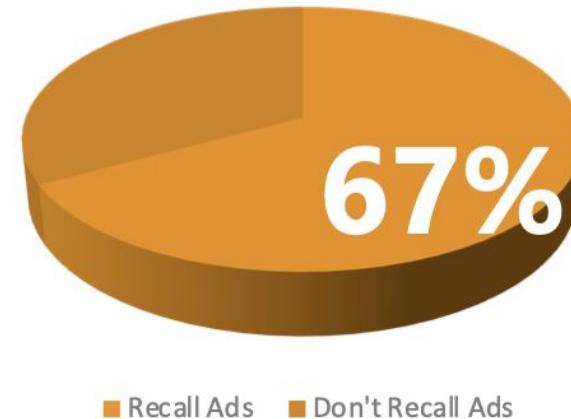
However, Ads bring Sales

Take a growing market, dog food market for example.

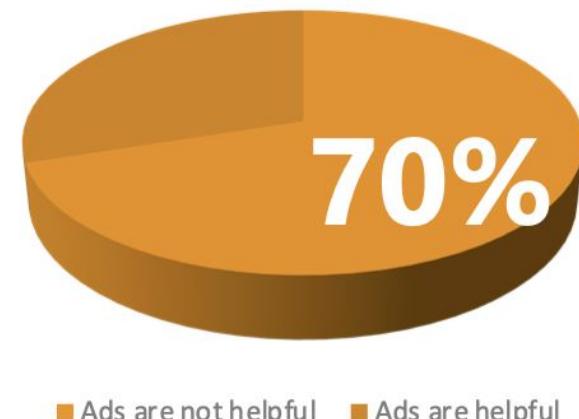
Dog food market is competitive



Consumer saw Ads and buy



Most Ads are not helpful



We need a Smarter Advertising strategy

Data:

2021Oct-2022Sep Amazon dog food sales data, Statista

Introducing: WOOF Score



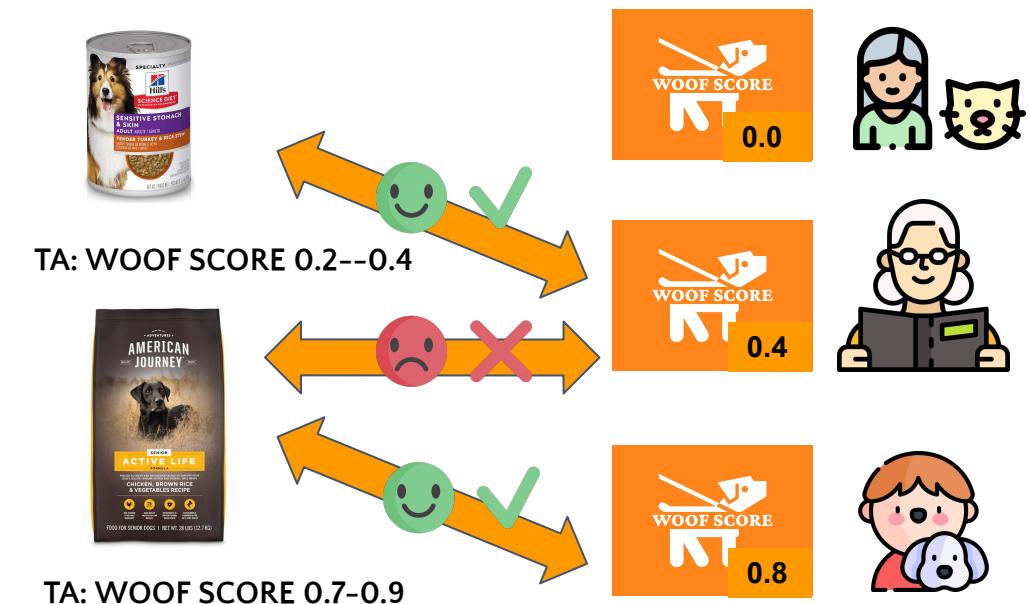
Every customer has their own WOOF score that will generate by our proposed customer behavior algorithm. In addition, every brand will have their own appropriate WOOF score we suggested them to target.

WOOF Score, a machine learning algorithm that aimed to use predictor variables that were gathered from customer behaviors and Amazon shopping records to predict our target variable - willingness to buy certain dog food brand. The purpose of this model is to

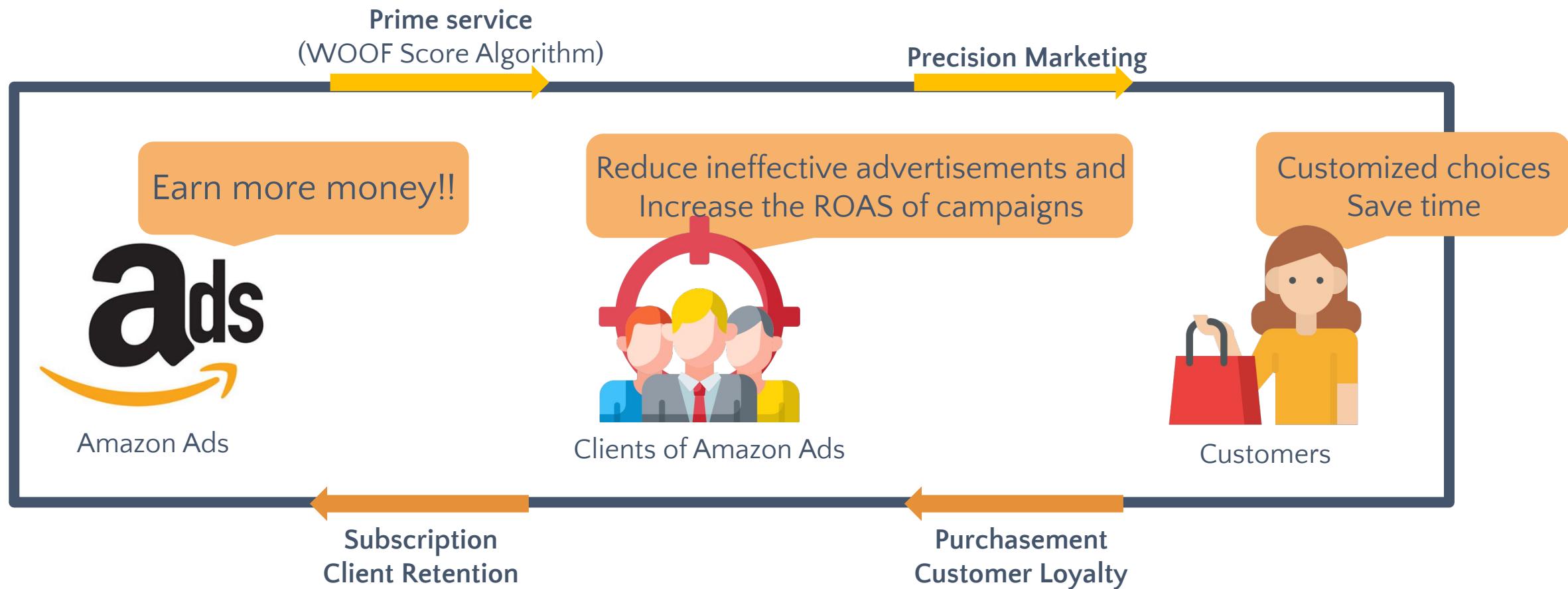
- Improve marketing efficiency to save our advertisers' media budget
- Gain client retention for Amazon Ads
- Enhance Amazon Shopper's customer satisfaction



Ex. Combining our model and its previous sales record, we will assign Brand AAA's suggested audience an appropriate target woof score is 0.2-0.4. We will advertise their products to who are assigned as the appropriate WOOF score and avoid the wrong range.



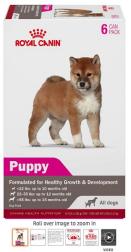
WOOF Score: Business Model



WOOF Score: Journey Mapping



Gabbie is considering to buy some new dog food for her favorite dog friend, Jack



She made the purchase on the Amazon Website



Gabbie saw it and decided it is relevant to her and Jack, so make another new purchase



A brand that is aimed for Gabbie's WOOF score put out an video advertisement on her main page

A WOOF score has been calculated for Gabbie

Customer: WOOF Score Assignment

Data Collection: Customer Behavior



Analyze: Segmentation and Feature Selection

Data Cleaning and Storage

Collaboration with Engineer Team: Model Building

Train and Test the Model



Match

Brand: WOOF Score Assignment

Product Level

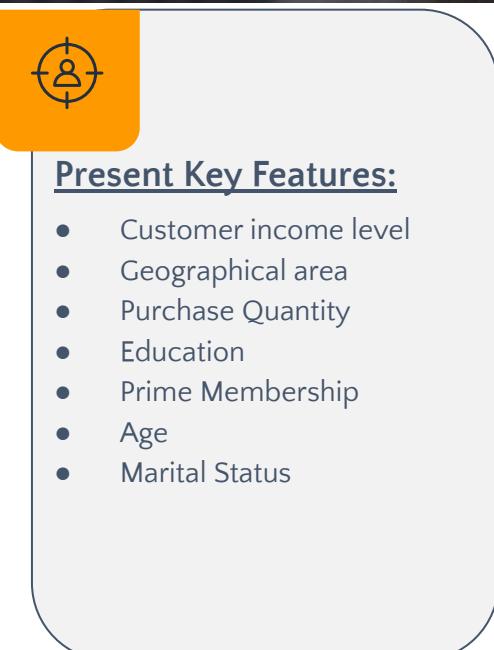
Scale by price & other factors

Products of the brand

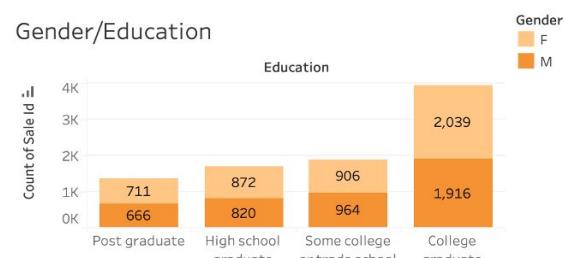
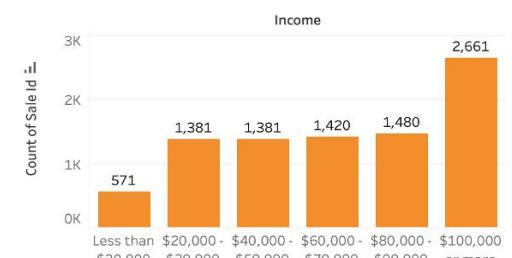
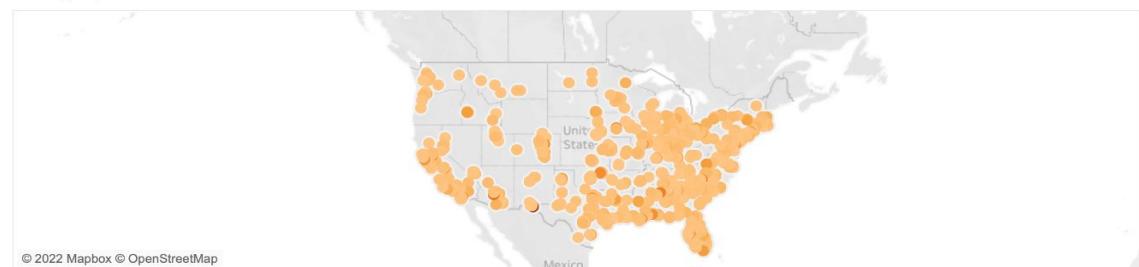
WOOF Score: Feature Selection



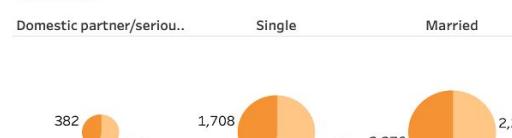
Based on the nature of the dataset we are given, we decided to run the given features with Tableau to identify important customer features. We successfully identify seven important features that should be considered as predictor variables as part of the model building for WOOF score.



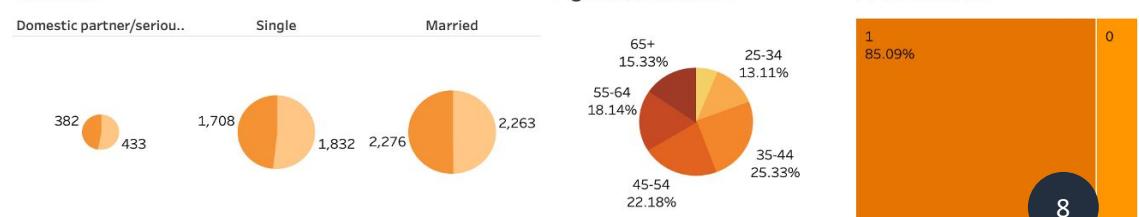
Geographical Distribution



Marital



Age Distribution



Together, We Make Sales Bigger

Improving WOOF score

Complete the tiering model

- Product key words(e.g. ingredient)

- Past Amazon Shopping Record

- Data from Amazon's Store Analytic Tool



amazon

Utilizing to more channels

Reach more potential customers

- Customers who watch related videos

- Customers who listen to related music

- Customers who shop at Whole foods/Fresh

amazon
prime video



amazon music



WHOLE
FOODS
MARKET



Add to list

Reaching potential clients

Establish Scores in different category

- MEOW score, WASH score, BABY score



What's More? A Brand New Client Experience

amazon ads prime



What's More? A Brand New Client Experience

amazon ads prime

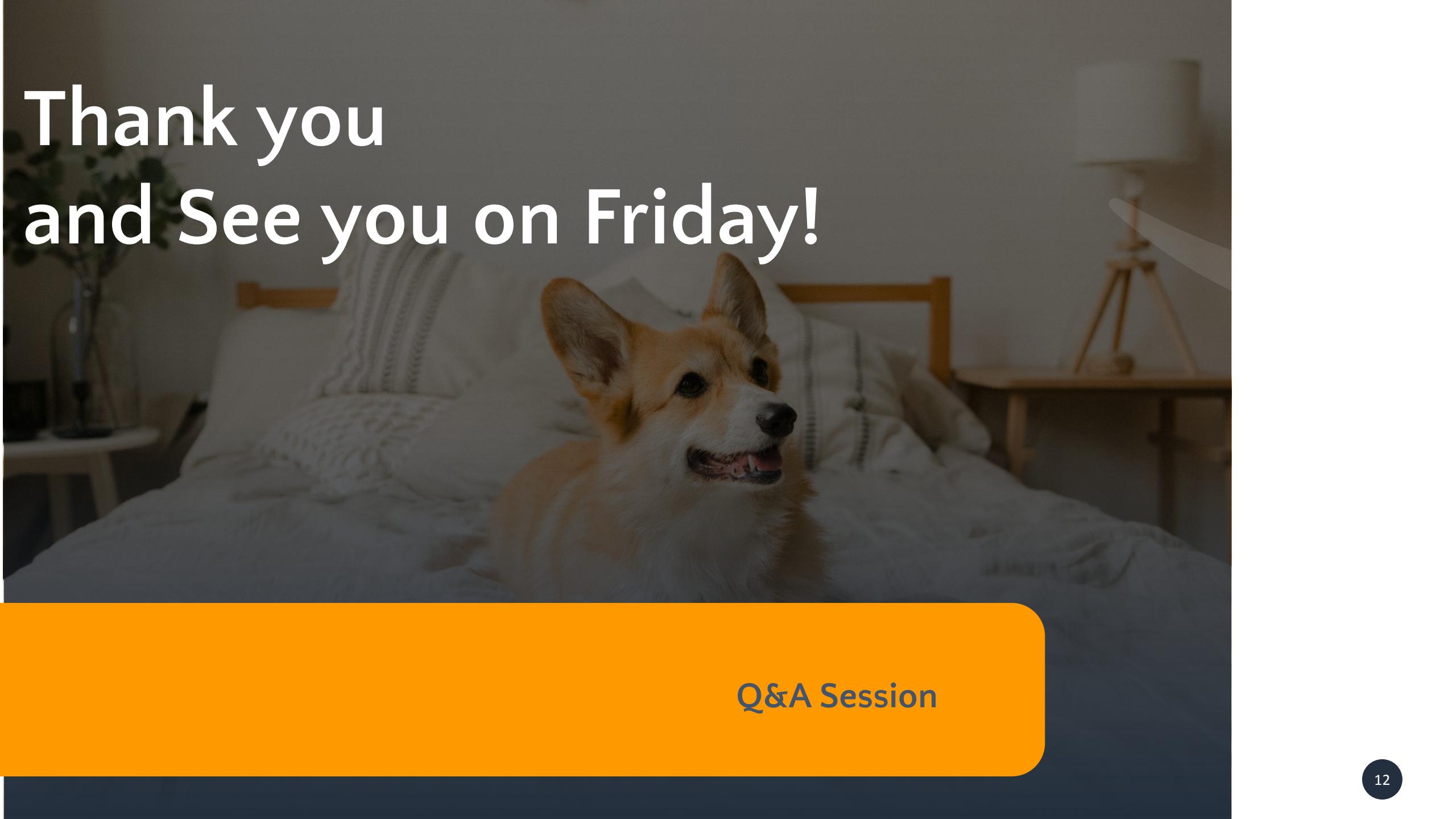


Category Score



Potential Reach



A photograph of a Corgi dog sitting on a bed. The dog is facing slightly to the right, looking towards the camera. It has a white and tan coat. The background shows a bedroom with a wooden chair and some plants.

Thank you
and See you on Friday!

Q&A Session

Appendix



Articles

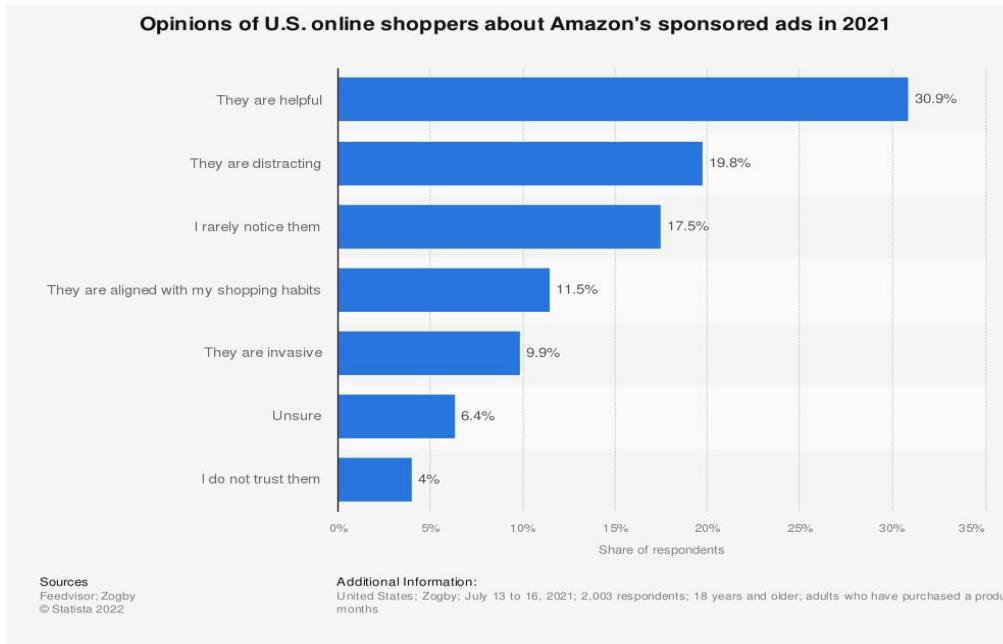
Zagare, M. (2022, April 13). *The top five problems with Amazon Advertising Management*. PPC Entourage. Retrieved October 16, 2022, from
<https://ppcentourage.com/blog/the-top-five-problems-with-amazon-advertising-management/>

https://www.aboutamazon.com/news/retail/amazon-launches-new-physical-retail-store-analytics-service?asc_refurl=https%3A%2F%2Fwww.businessinsider.com%2F&asc_source=browser&asc_campaign=commerce-pra&tag=thebusiinsi-20

<https://digiday.com/marketing/marketers-see-limitations-of-amazon-marketing-services/>



Graphs



Source: Statista

Topic: Opinions of U.S online shoppers
about Amazon's sponsored ads in 2021



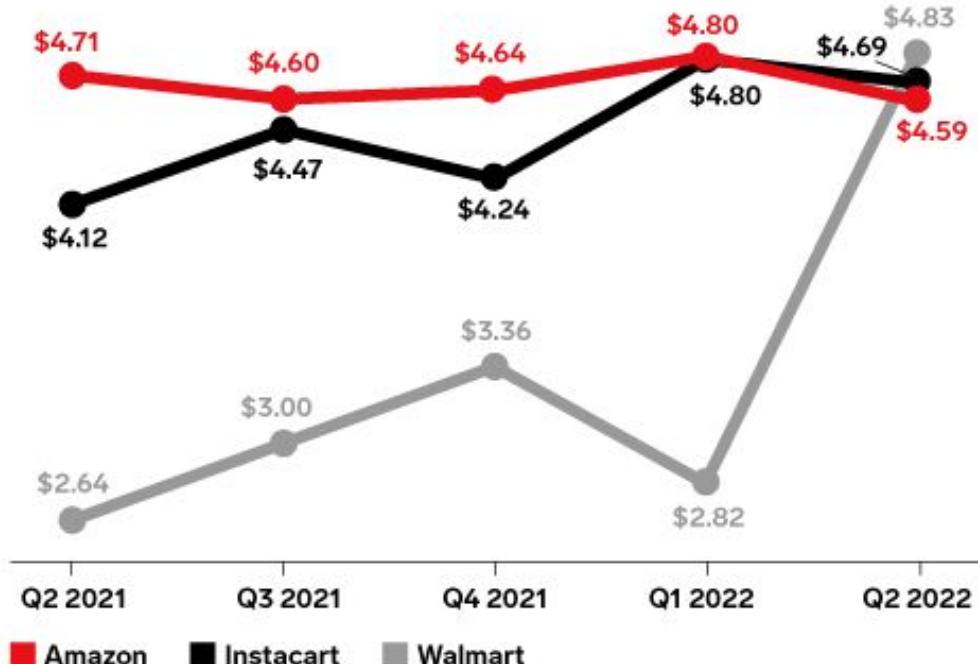
Source: Fortunebusinessinsights.com

Topic: North America Pet Food Market Size

Graphs

US Amazon, Walmart, and Instacart Return on Ad Spend (ROAS) for Sponsored Product Ads, Q2 2021-Q2 2022

dollars



Source: eMarketer

Topic: US Amazon, Walmart, and Instacart
Return on Ad Spend(ROAS) for Sponsored
Product Ads Q2 2021- Q2 2022