

# 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



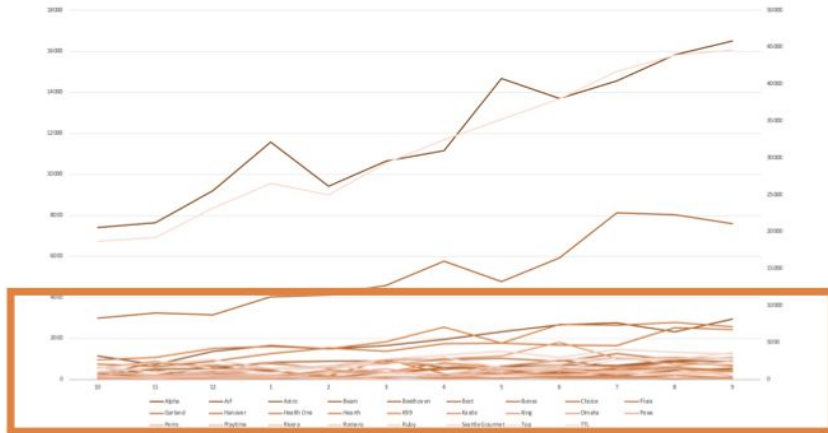
From the Industry report, Walmart has better ROAS than Amazon, we decide to move on to new platform!

The ads take away all my budgets

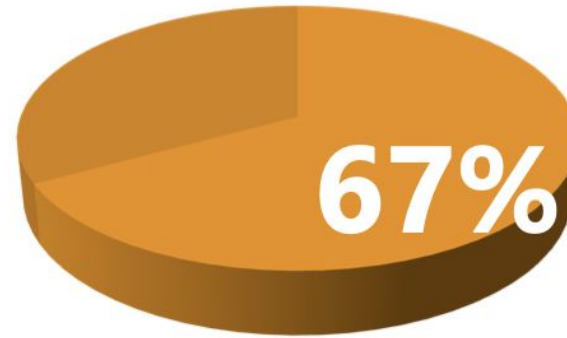
# However, Ads bring Sales

Take a growing market, dog food market for example.

## Dog food market is competitive

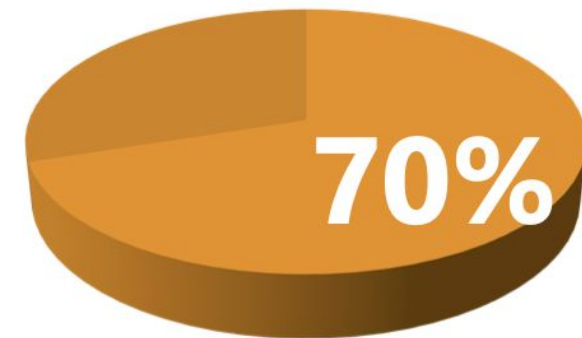


## Consumer saw Ads and buy



■ Recall Ads ■ Don't Recall Ads

## Most Ads are not helpful



■ Ads are not helpful ■ Ads are helpful

*We need a Smarter Advertising strategy*

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

# Introducing: WOOF Score



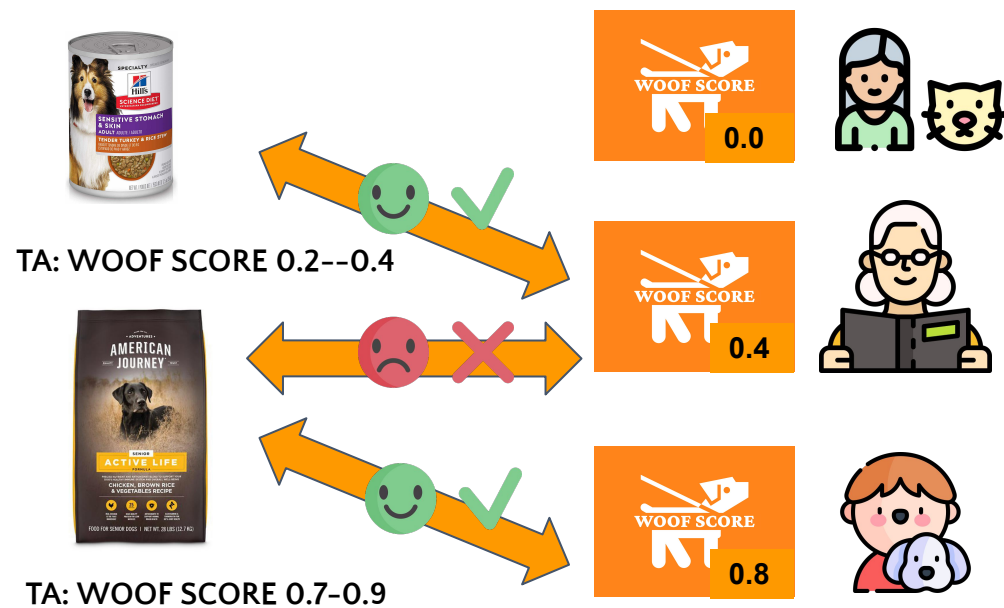
Every customer has their own WOOF score that will generate by our proposed customer behavior algorithm. In addition, every brand will has their own appropriate WOOF score we suggested them to target.

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

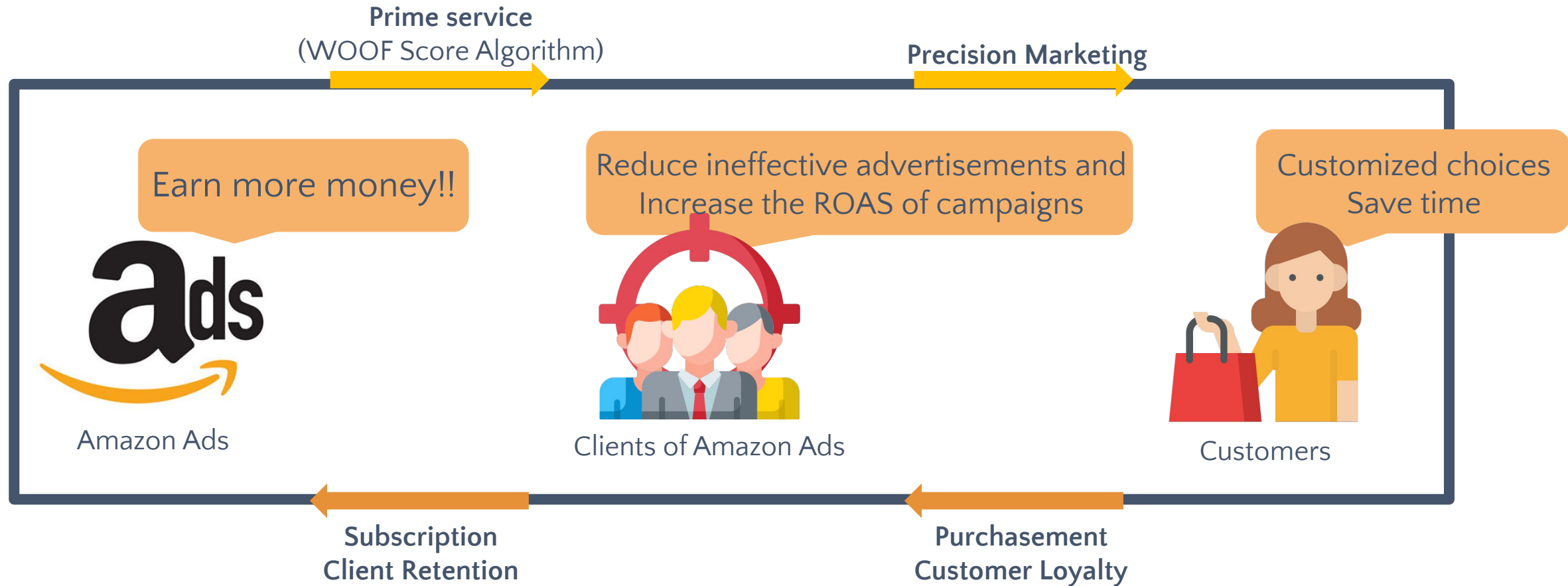
- Improve marketing efficiency to save our advertisers' media budget
- Gain client retention for Amazon Ads
- Enhance Amazon Shopper's customer satisfaction



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.



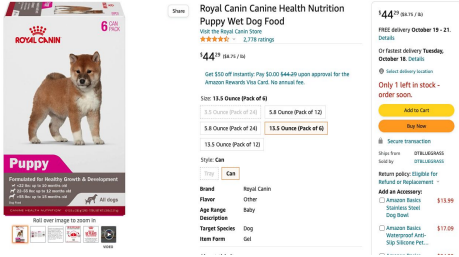
# WOOF Score: Business Model



# WOOF Score: Journey Mapping



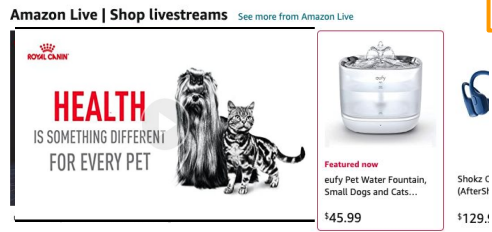
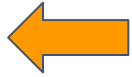
Gabbie is considering to buy some new dog food for her favorite dog friend, Jack



She made the purchase on the Amazon Website

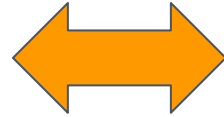


Gabbie saw it and decided it is relevant to her and Jack, so make another new purchase

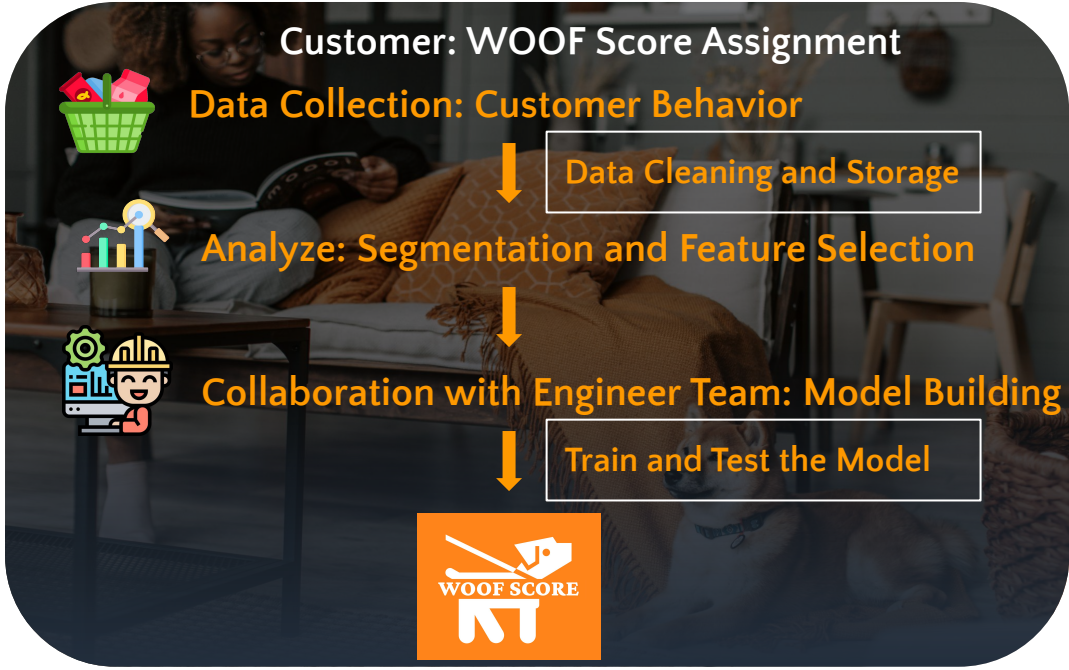


A brand that is aimed for Gabbie's WOOF score put out an video advertisement on her main page

A WOOF score has been calculated for Gabbie



Match



# 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.



## Insights Takeaway:

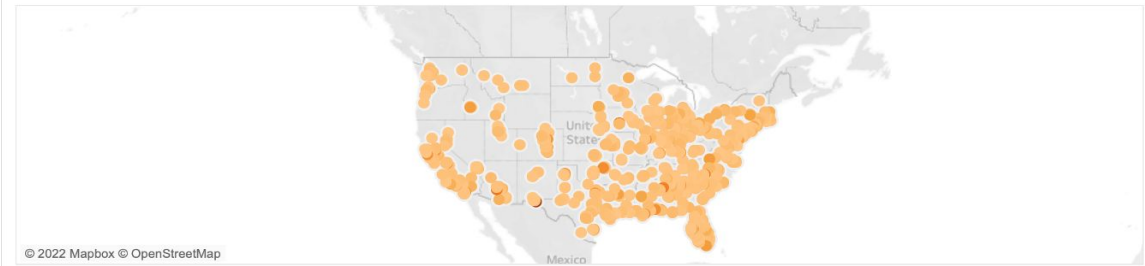
- East and South of the States
- Education level: College Graduate
- Income level between \$100,000 and more
- Married people
- Prime Users (85.09%)
- Age between 35-44 (25.33%)



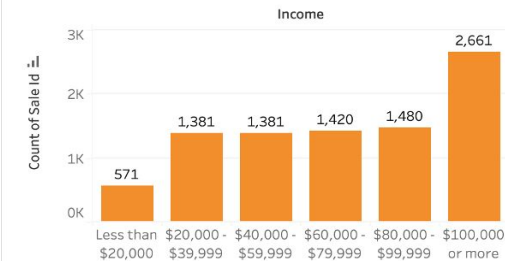
## Present Key Features:

- Customer income level
- Geographical area
- Purchase Quantity
- Education
- Prime Membership
- Age
- Marital Status

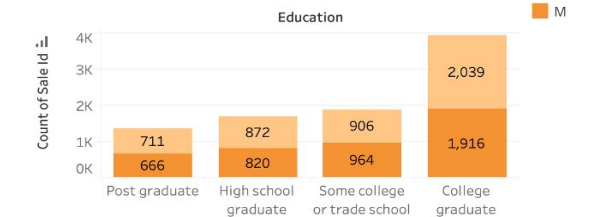
## Geographical Distribution



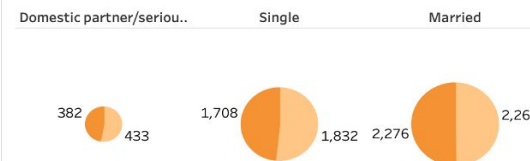
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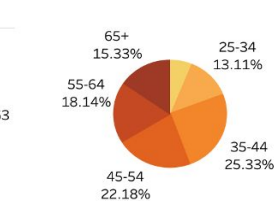
## Gender/Education



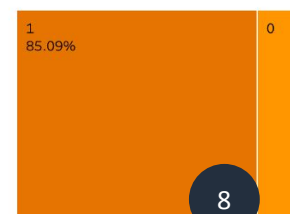
## Marital



## Age Distribution



## Prime Users





# 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

## 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

## Reaching potential clients

Establish Scores in different category

- MEOW score, WASH score, BABY score



amazon



# What's More? A Brand New Client Experience

amazon ads **prime**

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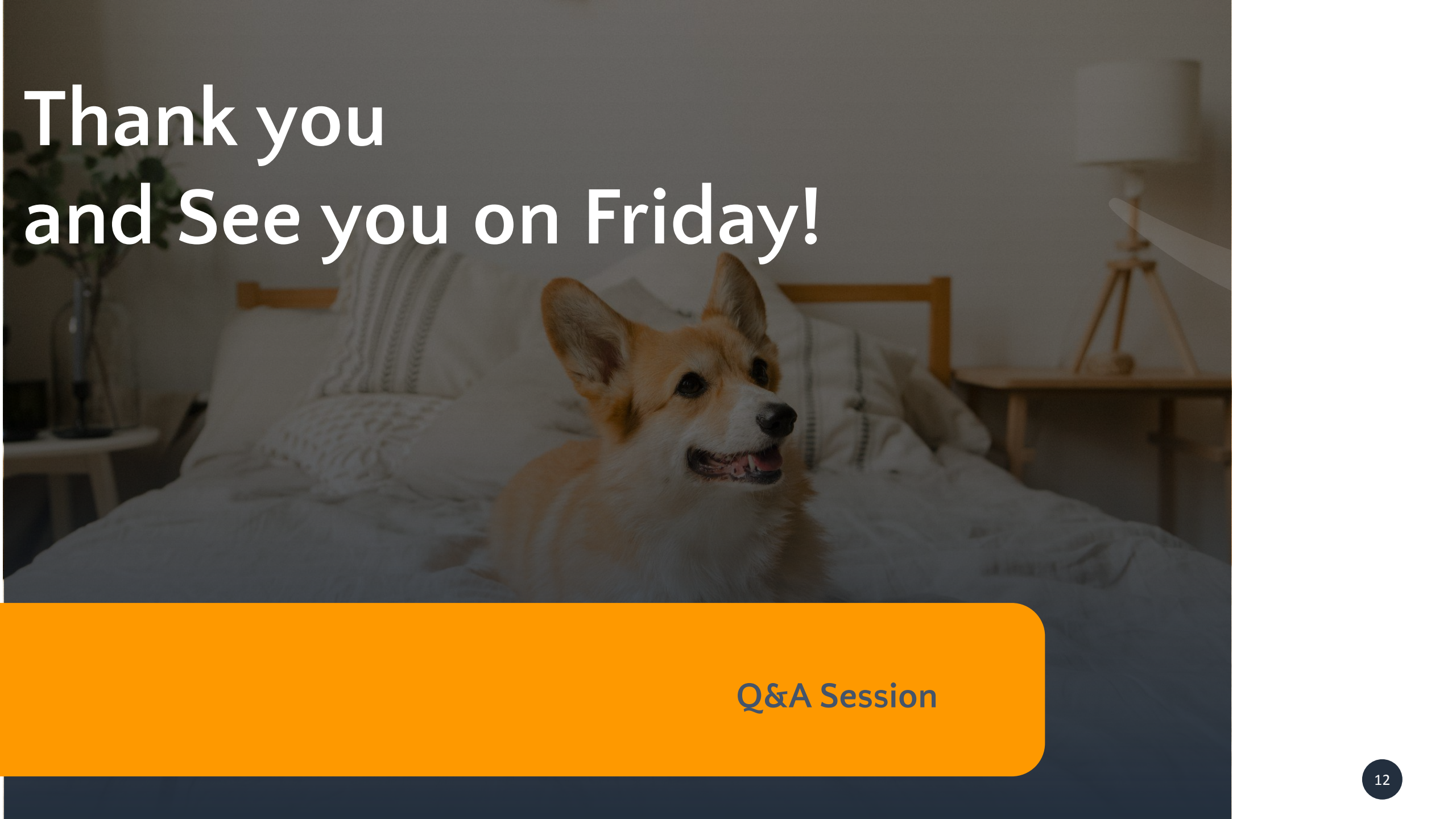
Category Score



Potential Reach

amazon music prime video

amazon

A small, fluffy dog, possibly a Corgi, is sitting on a bed in a bedroom. The dog is looking towards the right of the frame with a happy expression. The room is dimly lit, with a lamp visible in the background. The overall mood is cozy and warm.

# Thank you and See you on Friday!

Q&A Session

# Appendix

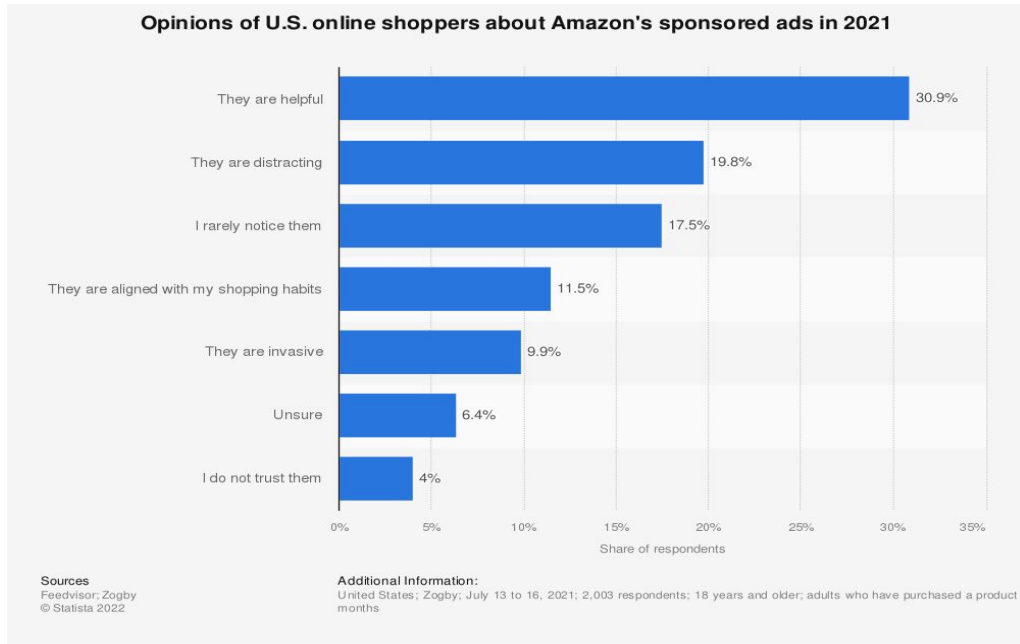
# Articles

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/>

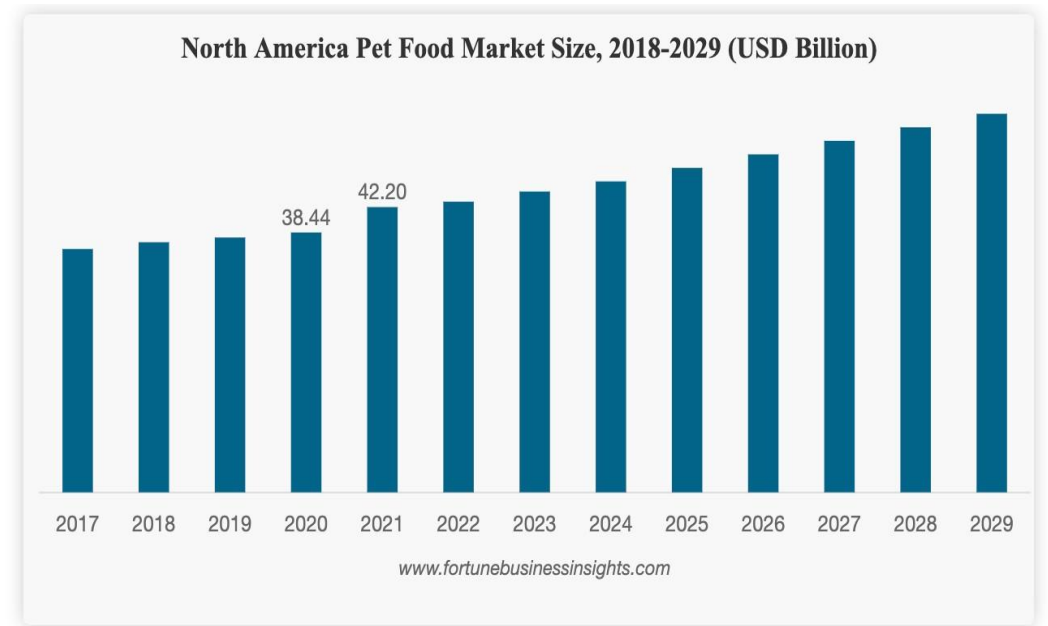
[https://www.aboutamazon.com/news/retail/amazon-launches-new-physical-retail-store-analytics-service?asc\\_refurl=https%3A%2F%2Fwww.businessinsider.com%2F&asc\\_source=browser&asc\\_campaign=commerce-pra&tag=thebusiinsi-20](https://www.aboutamazon.com/news/retail/amazon-launches-new-physical-retail-store-analytics-service?asc_refurl=https%3A%2F%2Fwww.businessinsider.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



Note: based on campaigns analyzed by Pacvue and Helium 10, broader industry metrics may vary

Source: Pacvue and Helium 10, "Q2 2022 CPC Report" powered by Assembly, July 15, 2022

278171

eMarketer | InsiderIntelligence.com

Source: eMarketer

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

