





Customer Segmentation & Early Adopter Analysis: US Canine Petcare

Project Team: Jordan Baruch, Chloé Pariente

Zoetis Team: Keith Schleicher

Who is Zoetis?

Zoetis is the world leader in discovering, developing, manufacturing, and marketing veterinary medicines and vaccines – as well as complementary diagnostics, genetic tests, and

services.

Who Are Important Zoetis **Customers?**

Problem Statement



Can we identify veterinary customers in the US Petcare sector for which the Zoetis marketing team should target with priority?

Analysis 1: Analyze sales of 12 Zoetis canine drugs and **cluster** customers into

Goals

groups:

Slow-Emerging

Fast-Emerging

Faculty Advisor: Dimitris Bertsimas

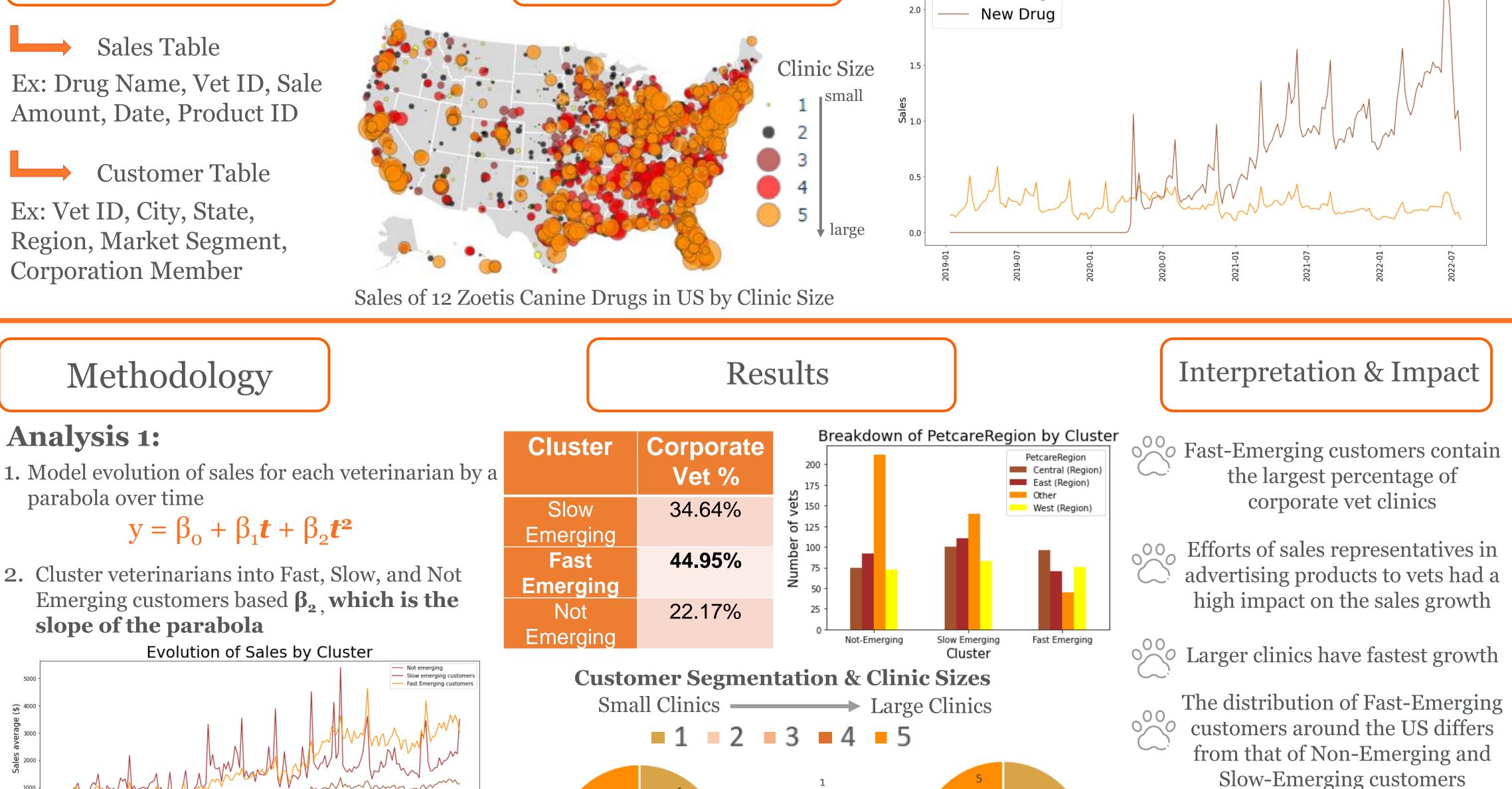
Not-Emerging

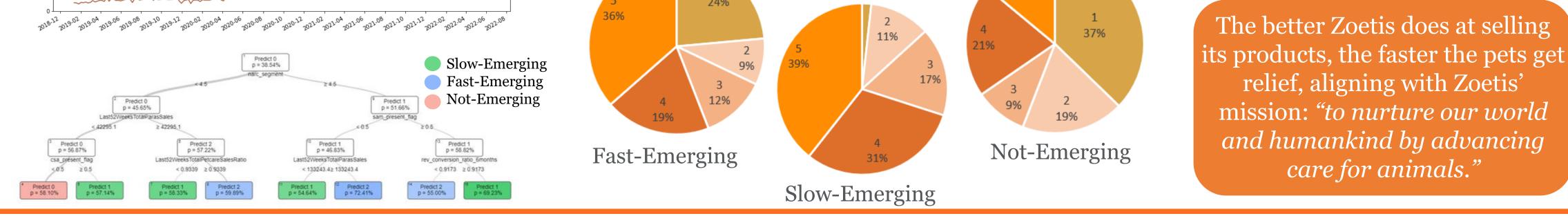
Analysis 2: Identify vets more apt to adopt new products \rightarrow Early Adopters

Data Set

Exploratory Analysis

Evolution of Old Drug & New Drug Sales Old Drug





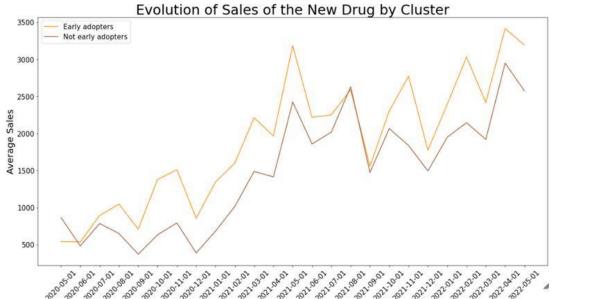
Analysis 2:

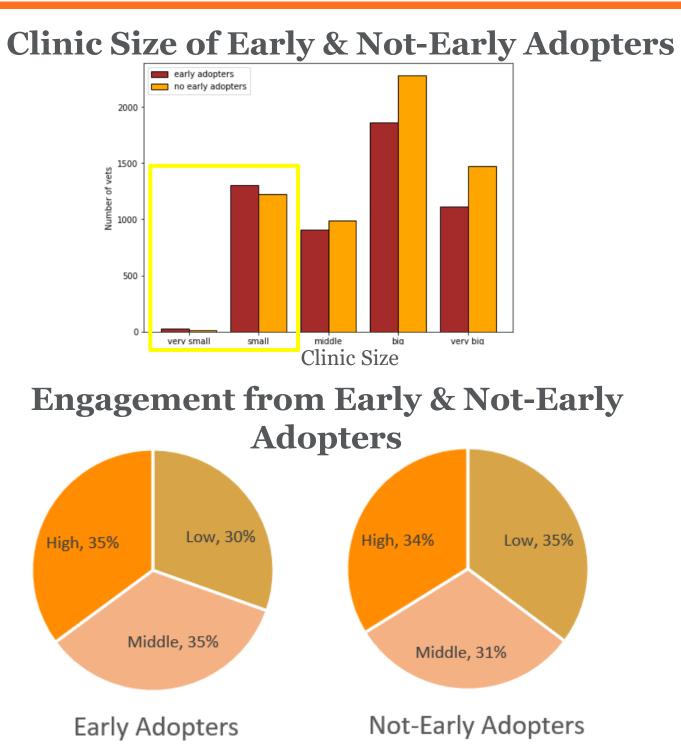
1. Analysis of evolution and speed of new drug ratio

new drug sales y = new drug ratio: old drug sales + new drug sales

 $\mathbf{y} = \boldsymbol{\beta}_0 + \boldsymbol{\beta}_1 \boldsymbol{t} + \boldsymbol{\beta}_2 \boldsymbol{t^2}$

2. Cluster veterinarians into Early Adopters & Not-Early Adopters based on based β_2 , which is the slope of the parabola Evolution of Sales of the New Drug by Cluster Early adopters
Not early adopters





14%

Early Adopters have higher engagement than Not-Early Adopters

Very small/small sized clinics have more Early Adopters than **Not-Early Adopters**

Targeting Early Adopters allows Zoetis to capture a larger portion of the market share while the drug is under patent, and competition from the industry does not exist

Getting new products into the hands of vets ultimately increases the vitality and longevity of animals