

# **Demand Function Estimation with Stochastic Gradient Methods**

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## **Abstract**

Abstract here.

# Chapter 1

## Introduction

1.1 Intro section 1

1.2 Intro section 2

# Chapter 2

## Problem Description

# Chapter 3

## Optimization Model: Maximum Likelihood Estimation

### 3.1 Maximum Likelihood Estimation

### 3.2 Three Families of Demand Functions

#### 3.2.1 Linear Demand Functions

#### 3.2.2 Exponential Demand Functions

#### 3.2.3 Logistic Demand Functions

# Chapter 4

## Stochastic Gradient Methods

# Chapter 5

## Experiment



# Chapter 6

## Results and Discussion

# Appendix A

## Code