Data Intelligence Applications Pricing and Matching

Ivan Cavadini (941927), Simone Marforio (944320), Nicolò Molinari (942404)

2020/2021



Contents

${f Introduction}$	2
Formnal Model	2
Random Varaibles	2
Experiment Context	2
Online pricing for first item	2
Online pricing for first item with purchase simulation	2
Matching problem: promo assignment	3
Pricing and Matching problem	3
Seasonal Pricing and Matching problem: Sliding Window	3
Seasonal Pricing and Matching problem: Change Detection	4
References	4

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam fringilla ex vestibulum ligula feugiat, non consequat urna facilisis. Vivamus vulputate orci cursus elit porta tincidunt ut at quam. Aliquam hendrerit id risus id consectetur. Nulla pretium vel tellus in tincidunt. Curabitur convallis a massa eget bibendum. Nam nulla ipsum, sagittis non mollis eget, tempus ut lectus. Morbi lobortis tellus sed ullamcorper sollicitudin. Sed scelerisque turpis a consectetur pellentesque. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae;

Donec auctor rhoncus purus nec congue. Sed ut purus volutpat, congue sapien a, tristique neque. Etiam dignissim orci non elit laoreet dignissim. Vestibulum rutrum euismod urna ut scelerisque. Mauris sed nisi lobortis, luctus metus nec, venenatis nibh. Nam ac arcu pulvinar, vehicula mauris at, gravida tortor. Suspendisse eget sapien venenatis, convallis sapien pharetra, vehicula urna. Nam varius sed metus pulvinar lobortis. Sed faucibus laoreet mi at pharetra. Nam tempor volutpat imperdiet.

Formal Model

Random Varaibles

Experiment Context

Online pricing for first item

Problem explaination

Strategy

Results

Considerations

Online pricing for first item with purchase simulation

Problem explaination

Strategy
Results
Considerations
Matching problem: promo assignment
Problem explaination
Strategy
Results
Considerations
Pricing and Matching problem
Problem explaination
Strategy
Results
Considerations
Seasonal Pricing and Matching problem: Sliding Window
Problem explaination
Strategy
Results

Considerations

Seasonal Pricing and Matching problem: Change Detection

 $\operatorname{Problem}$ explaination

Strategy

Results

Considerations