

# Dynamic Seat Assignment with Social Distancing

Dis· count

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## Abstract

Keywords: Social Distancing, Stochastic Programming, Seat Assignment, Dynamic Arrival.

## 1 Introduction

1. define a different social distancing rule.

use the expected demand as the group portfolio to obtain the seat planning.

2. consider ‘departure’

Each arrival has an arrive time and leave time.

3. different price regions in cinemas.

4. How to assign the high-speed train tickets fairly?

## 2 Literature Review

- 3 Problem Description
- 4 Scenario-based Stochastic Programming
- 5 Dynamic Seat Assignment(DSA)
- 6 Results

## 7 Conclusion

## References

## Proof

(Theorem 1). □

(Lemma 1). □

(Lemma 2). □

(Theorem 2). □