



1. Effects of passenger characteristics and terminal layout on airport retail revenue: an agent-based simulation approach

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Source: *Transportation Planning and Technology*, v 42, n 2, p 167-186, February 17, 2019; **ISSN:** 03081060, **E-ISSN:** 10290354; **DOI:** 10.1080/03081060.2019.1565163; **Publisher:** Routledge

Abstract: This paper examines the effect of passenger characteristics and terminal layout on airport retail revenue using an agent-based simulation approach. Simulation results show that passenger mix (that is, the mix of shopper types according to a typology of airport shoppers) has a profound effect on airport retail revenue; the larger the number of 'shopping lovers' there are among passengers, the higher the airport retail revenue. Results also reveal that group travel can lead to negative effects on retail in certain terminal layouts, and that the amount of free dwell time that a passenger has can affect spending due to less retail engagement. This paper shows a combined effect of passenger characteristics and terminal layout on airport retail revenue, and discusses the implications of these results for future airport terminal design that aims to maximise retail potential. © 2019, © 2019 Informa UK Limited, trading as Taylor & Francis Group. (50 refs)

Main heading: Sales

Controlled terms: Airport buildings - Economics

Uncontrolled terms: Agent based simulation - Airport terminals - Combined effect - Dwell time - Retail revenue -

shopping preferences

Classification Code: 402.2 Public Buildings - 971 Social Sciences

Database: Compendex

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Data Provider: Engineering Village