

Accepted Manuscript

Dynamic route and departure time choice model based on self-adaptive reference point and reinforcement learning

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PII: S0378-4371(18)30191-2
DOI: <https://doi.org/10.1016/j.physa.2018.02.104>
Reference: PHYSA 19224

To appear in: *Physica A*

Received date : 24 August 2017
Revised date : 28 December 2017

Please cite this article as: X.-y. Li, X. Li, l. yang, J. Li, Dynamic route and departure time choice model based on self-adaptive reference point and reinforcement learning, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.02.104>

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High lights

- (1) A new multi agent model on route and departure time choice is designed.
- (2) Travelers' bounded rationality is depicted based on cumulative prospect theory.
- (3) Heterogeneous reference points is designed to illustrate travelers' group behavior.
- (4) The model developed obtained higher efficiency.
- (5) Improvement of individual utility would result in improvement of the group utility.

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