

Mazumder, S. K.; Das, N. C.

Maximum entropy and utility in a transportation system. (English) Zbl 1006.90011
Yugosl. J. Oper. Res. 9, No. 1, 27-34 (1999).

The author describes two approaches to solve the trip distribution problem in a transportation system. The first approach is based on three maximum entropy models with the Shannon, Bose-Einstein and Fermi-Dirac form of entropy, while in the other one the corresponding maximum-utility models with different cost functions are developed. The interrelation and equivalence of these two approaches are theoretically shown.

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MSC:

90B06 Transportation, logistics and supply chain management
94A17 Measures of information, entropy
91B16 Utility theory

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