## Accepted Manuscript

Modeling the shelter site location problem using chance constraints: A case study for Istanbul

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PII:S0377-2217(18)30215-7DOI:10.1016/j.ejor.2018.03.006Reference:EOR 15025

To appear in: European Journal of Operational Research

Received date:7 December 2017Revised date:28 February 2018Accepted date:5 March 2018

Please cite this article as: Ömer Burak Kınay, Bahar Yetis Kara, Francisco Saldanha-da-Gama, Isabel Correia, Modeling the shelter site location problem using chance constraints: A case study for Istanbul, *European Journal of Operational Research* (2018), doi: 10.1016/j.ejor.2018.03.006

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## Highlights

- We study the shelter site location problem
- A chance-constrained optimization model for the proposed problem is proposed
- Captured uncertainty by means of probabilistic constraints
- Probabilities embedded in the constraints have a clear influence in the results
- The results obtained are presented and discussed in the paper.

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