

Accepted Manuscript

On the multi-product newsvendor with bounded demand distributions

Tatyana Chernonog, Noam Goldberg

PII: S0925-5273(18)30229-9

DOI: [10.1016/j.ijpe.2018.05.027](https://doi.org/10.1016/j.ijpe.2018.05.027)

Reference: PROECO 7056

To appear in: *International Journal of Production Economics*

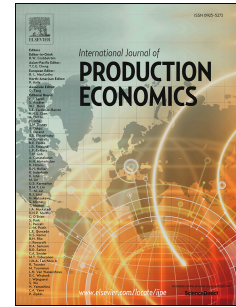
Received Date: 14 September 2017

Revised Date: 20 May 2018

Accepted Date: 23 May 2018

Please cite this article as: Chernonog, T., Goldberg, N., On the multi-product newsvendor with bounded demand distributions, *International Journal of Production Economics* (2018), doi: 10.1016/j.ijpe.2018.05.027.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



On the Multi-Product Newsvendor with Bounded Demand Distributions

Tatyana Chernonog^{*} and Noam Goldberg^{†*}

^{*}Department of Management, Bar-Ilan University, Ramat Gan,
Israel 5290002

{tatyana.chernonog, noam.goldberg}@biu.ac.il

May 23, 2018

Abstract

We consider a multi-item newsvendor problem with side constraints and common continuous demand distributions that are bounded implying that the items' profit functions are nondifferentiable. In particular we focus on the cases of uniform and triangular distributions. These distributions naturally describe demand that is guaranteed to exceed a certain threshold – for example, consumption of basic food products or electric power consumption over

[†]Corresponding author

Download English Version:

<https://daneshyari.com/en/article/7355030>

Download Persian Version:

<https://daneshyari.com/article/7355030>

[Daneshyari.com](https://daneshyari.com)