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Handbook of newsvendor problems: models, extensions and applications

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Abstrak

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[The handbook consists of two sections. Models and extensions, and applications. Each section includes many interesting works in the respective domain. Section I presents papers on topics like the multi-product newsvendor problems, the newsvendor problem with law invariant coherent measures of risk, a Copula approach to inventory pooling problems with newsvendor products, repeated newsvendor games with transshipments, cooperative newsvendor games, an economic interpretation for the price-setting newsvendor problem, newsvendor models with alternative risk preferences within expected utility theory and prospect theory frameworks, and newsvendor problems with VaR and CVaR consideration. Section II presents papers on such topics as a two-period newsvendor problem for closed-loop supply chain analysis, the remanufacturing newsvendor problem, inventory centralization in a newsvendor setting when shortage costs differ, production planning on an unreliable machine for multiple items, analysis of the newsvendor problem under carbon emissions policies, optimal decisions of the manufacturer and distributor in a fresh product supply chain involving long distance transportation, a newsvendor perspective on profit target setting for multiple divisions, and a portfolio approach to multi-product newsvendor problem with budget constraint. , The handbook consists of two sections. Models and extensions, and applications. Each section includes many interesting works in the respective domain. Section I presents papers on topics like the multi-product newsvendor problems, the newsvendor problem with law invariant coherent measures of risk, a Copula approach to inventory pooling problems with newsvendor products, repeated newsvendor games with transshipments, cooperative newsvendor games, an economic interpretation for the price-setting newsvendor problem, newsvendor models with alternative risk preferences within expected utility theory and prospect theory frameworks, and newsvendor problems with VaR and CVaR consideration. Section II presents papers on such topics as a two-period newsvendor problem for closed-loop supply chain analysis, the remanufacturing newsvendor problem, inventory centralization in a newsvendor setting when shortage costs differ, production planning on an unreliable machine for multiple items, analysis of the newsvendor problem under carbon emissions policies, optimal decisions of the manufacturer and distributor in a fresh product supply chain involving long distance transportation, a newsvendor perspective on profit target setting for multiple divisions, and a portfolio approach to multi-product newsvendor problem with budget constraint.