

Optimal channel decision of retailers in the dual-channel supply chain considering consumer preference for delivery lead time

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ABSTRACT

Facing competition from manufacturers' online direct channels, how retailers make sales channel decisions to increase consumer stickiness has become the core concern of the industry and academia. Empirical research showed that delivery lead time is a key factor that affects consumers' preference for online channels. To analyze the impact of consumer delivery time preference on channel selection and pricing strategy of retailers, consumer delivery lead time preference function was improved from a linear function to an exponential function and consumer demand under the mixed dual-channel supply chain of manufacturer and retailer was derived. Then, the Stackelberg game models under different channel strategies of retailer were established and solved. Results show that consumer preference for delivery lead time has four implications on the channel decision of retailers under manufacturer encroachment in the dual-channel supply chain. First, the dual retail channels strategy is the optimal choice for retailers, and the profit margins that a retailer obtains from dual retail channels supply chain and single online retail channel supply chain will increase as consumers' delivery lead time preference coefficient increases. Second, the optimal pricing of online retail channel and offline retail channel is positively related to consumers' delivery lead time preference coefficient. By contrast, the optimal pricing of online direct channel is negatively related to consumers' delivery lead time preference coefficient. Third, the optimal pricing of online retail channel is higher than that of offline retail and online direct channels. Fourth, a retailer and a manufacturer can adopt a compensation-based whole price contract to address the conflict brought about by the optimal channel choice of the retailer. This study introduces consumer delivery lead time preference into retailer channel decision making and provides a theoretical reference for retailer's mixed channel construction in practice.

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ARTICLE INFO

Keywords:

Supply chain;
Dual-channel;
Consumer preference;
Delivery lead time preference;
Channel selection;
Channel coordination

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Article history:

Received 20 September 2020

Revised 6 December 2020

Accepted 9 December 2020

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Optimalna izbira prodajnega kanala trgovca v dvokanalni dobavni verigi glede na želeni dobavni rok potrošnika

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P O V Z E T K

Raziskava se ukvarja z vprašanjem, kako naj trgovci vzpostavijo prodajne kanale, da bi obdržali potrošnike, v konkurenčni neposredno spletno prodajo proizvajalcev blaga. Empirične raziskave so pokazale, da je dobavni rok ključni dejavnik pri izbiri spletnih kanalov. Da bi analizirali vpliv želja potrošnikov glede dobavnega roka na izbiro kanalov in na cenovno strategijo trgovcev, je bila funkcija želenega dobavnega roka spremenjena iz linearne v eksponentno. Na podlagi funkcije želenega dobavnega roka je bilo ocenjeno povpraševanje potrošnikov v okviru mešane dvokanalne dobavne verige, v kateri sodelujejo proizvajalec in trgovec. Nato so bili vzpostavljeni in rešeni modeli igre Stackelberg v okviru različnih prodajnih strategij trgovca. Rezultati kažejo, da ima želja potrošnikov glede dobavnega roka štiri posledice na prodajno strategijo trgovcev. Prvič, strategija dvokanalne prodaje je optimalna izbira za trgovce. V primeru spletne prodaje in dvokanalne prodaje se za trgovca stopnja dobička poveča, ko se poveča koeficient želenega dobavnega roka. Drugič, za trgovca je optimalna cena blaga v primeru samo spletne in samo trgovinske prodaje pozitivno povezana s koeficientom želenega dobavnega roka. Nasprotno pa je za proizvajalca optimalna cena blaga v primeru samo spletne prodaje negativno povezana s koeficientom želenega dobavnega roka. Tretjič, za trgovca je optimalna cena blaga v primeru trgovinske prodaje in višja od optimalne cene blaga v primeru spletne prodaje. Četrтиč, da bi trgovec in proizvajalec rešila spor, ki ga povzroča optimalna izbira trgovca, lahko sprejmeta pogodbo, ki temelji na nadomestilu. Ta študija v odločanje o prodajnih kanalih uvaja želeni dobavni rok in zagotavlja teoretično podlago za gradnjo mešanih prodajnih kanalov trgovca v praksi.

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P O D A T K I O Č L A N K U

Ključne besede:

Dobavna veriga;
Dvokanalna prodaja;
Želja potrošnika;
Želeni dobavni rok;
Izbira kanala;
Usklajevanje kanalov

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Zgodovina članka:

Prejet 20. septembra 2020
Popravljen 6. decembra 2020
Sprejet 9. decembra 2020