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Determinants and Outcomes of Internet Banking Adoption

Mei Xue

Lorin M. Hitt
University of Pennsylvania

Pei-yu Chen

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Determinants and Outcomes of Internet Banking Adoption

Abstract

This paper examines the drivers of adoption of Internet banking and the linkages among adoption drivers and outcomes (product acquisition, service activity, profitability, loyalty). We relate Internet banking adoption to customer demand for banking services, the availability of alternative channels, customers' efficiency in service coproduction ("customer efficiency"), and local Internet banking penetration. We find that customers who have greater transaction demand and higher efficiency, and reside in areas with a greater density of online banking adopters, are faster to adopt online banking after controlling for time, regional, and individual characteristics. Consistent with prior work, we find that customers significantly increase their banking activity, acquire more products, and perform more transactions. These changes in behavior are not associated with short-run increases in customer profitability, but customers who adopt online banking have a lower propensity to leave the bank. Building on these observations we also find that the adoption drivers are linked to the postadoption changes in behavior or profitability. Customers who live in areas with a high branch density or high Internet banking penetration increase their product acquisition and transaction activity more than Internet banking adopters in other regions. Efficient customers and those with high service demand show greater postadoption profitability.

Keywords

Internet banking adoption, customer efficiency, network effects

Disciplines

Business Administration, Management, and Operations | Finance and Financial Management

The Determinants and Outcomes of Internet Banking Adoption

Mei Xue (xueme@bc.edu)

Lorin M. Hitt (lhitt@wharton.upenn.edu)

Pei-yu Chen (pychen@temple.edu)

Abstract

This paper examines 1) the drivers of adoption of Internet banking 2) the impact of Internet banking adoption on product acquisition, service activity, profitability and loyalty, and 3) the linkages between adoption and outcome. We relate online banking adoption to customer demand for banking services, the availability of alternative channels, customers' efficiency in service coproduction ("customer efficiency"), and local Internet banking penetration. We find that customers who have greater transaction demand, higher efficiency, and reside in areas with a greater density of online banking adopters are faster to adopt online banking after controlling for time, regional, and individual characteristics. Following adoption, customers significantly increase their banking activity, acquire more products from the bank, and perform more transactions across channels. Consequently, in the short run, online banking adoption is not found to be associated with improved customer profitability. However, it is shown to be associated with stronger customer loyalty. Our exploration of the linkages between online

banking adoption and outcome also reveals that the factors influential on adoption in our framework (service demand, customer efficiency, alternative channel access and local penetration) are associated with differences in the post adoption customer profit and profit-related behavior changes.

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Keywords: Internet banking adoption, customer efficiency, local penetration effects