Effects of price endings on demand and pricing

German Zenetti *

Humboldt-University Berlin, School of Business and Economics

Daniel Klapper †

Humboldt-University Berlin, School of Business and Economics

*Address: Spandauer Str. 1, 10178 Berlin, Germany, telephone: +49-30-2093-5750, e-mail: german.zenetti@hu-berlin.de
†Address: Spandauer Str. 1, 10178 Berlin, Germany, telephone: +49-30-2093-5750, e-mail: daniel.klapper@hu-berlin.de
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Abstract
Empirical product prices often show certain price endings, i.e., values after the digit, more often than others. The question arises whether price endings non-linearly affect the purchase decisions of consumers and whether firms consider these reactions in pricing. This study is the first that provides a holistic market perspective of consumer demand and firms’ pricing to answer this question. At an example of real-world sales of a fast moving consumer good, the study introduces an approach that considers heterogeneity of consumers’ reactions - in particular towards price - and at the same time explores in the full range of possible price endings potential non-linearities of the effect. This approach allows us, for example, to differentiate between consumer segments that are differently responsive to price endings.

Keywords: Price endings; Random coefficient logit; Store-level aggregate data; Panel data; Structural model; Simultaneous demand and supply.