Product Diffusion Models with Social Media Effects

Nobuhiko Terui Graduate School of Economics and Management Tohoku University

Abstract

The expansion of the Internet has led to a huge amount of information posted by consumers online through social media platforms such as forums, blogs, and product reviews. We introduce product diffusion models that accommodate pre-launch social media information by combining it with post launch sales data for generating accurate sales forecasts over product life cycles and exploring the roles of social media on product diffusion process.