

R&D-EXPERIENCE AND INNOVATION SUCCESS*

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ABSTRACT

This paper analyses the role of firms' R&D-experience in their innovative success using a representative sample of Spanish firms for the period 1990-2002. Using count data models and within an innovation production function approach, we investigate the influence of firms' R&D-experience in the achievement of innovation results. To estimate R&D-experience, partially unobserved, we estimate a duration model and use the obtained results and a non-parametric procedure to impute R&D-experience when unobserved. We obtain that R&D effectiveness increases along the R&D history of the firm.

Keywords: innovation, accumulation of knowledge, R&D-experience, duration models, count data models.

JEL Classification: O30, O34, C23, C10.

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