

---

[Download](#)

Keep in mind

In the journal Essays on Economic Policy (ESPE) - we disclose the results and policy proposals that arise from academic research carried out at the *Banco de la República*. When you read us, always keep in mind that the content of our articles, as well as the analyzes and conclusions derived from them, are the sole responsibility of their authors. The material disclosed in our ESPE magazine does not compromise or represent the opinion of *Banco de la República* or that of its Board of Directors.

AUTHOR OR EDITOR

[Barrientos, Marín Jorge](#)

Publication Date:  
Monday, 01 June 2009

## **Abstract**

In this paper we are interested in estimating semi parametric Engel curves for different categories of goods using data drawn from the 1997 Family Expenditure Survey (ECV1997). Most of the papers about consumer behavior include food and clothing shares in the analysis. Since people in developing countries spend a great deal of time going to work, through their use of public

---

transportation, then it is interesting to take this into account in this study. Due to joint determination of expenditure shares and total expenditure, we adjust for any possible endogeneity, which is a familiar problem in demand analysis. So, not only estimation but also adaptive testing is provided by non-parametric procedures. Our estimations produce quadratic food and transportation Engel curves, which is an interesting result.