An Engel curve analysis of household expenditures on recreation and culture in Perm

Brief summary

In this paper, we analyze the households that spend money on recreation and culture, the actual amount they spend and the potential factors that influence households' recreation and culture expenditures in Perm city using the 2014 Household Budget **Survey**. The results suggest that total household expenditures and gender of families' head are significant determinants of recreational and cultural expenditures in Perm.

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Vorking-

Leser

parabolic

Coefficients

*** statistical significance at 1%

-Significant

Ilyukhin Sergey E-12-2

TH€ GR€∄T

Engel

curve

Economic



Econometric Model



$$U(q) \to \max_{q}$$

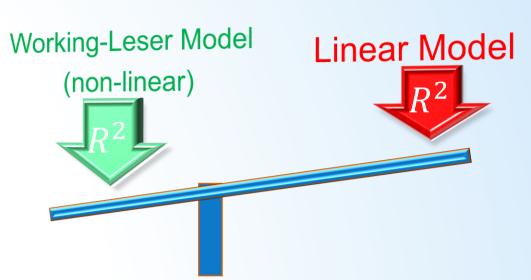
$$\sum p_k q_k = I$$

Model

$$p_k - const$$

Ln (Total

Expenditures)



Hypothesis

Male heads tend to spend more than female heads on recreation and culture due to having relatively more leisure time



head

Total household expenditures are expected to have a positive impact on cultural spending's

The Future Model Improvement

culture to be luxury goods.

Our results also predict recreation and

prove

To include tastes and preferences

To collect more data about people with higher income

To include experience goods*

* person needs to form a taste through several exposures



Engel Curve Culture

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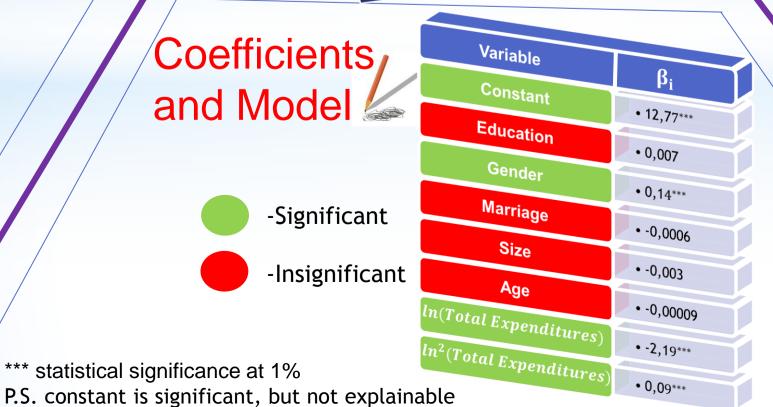
relationship

♦Share

0.01

Total Expenditures

11,68



Data and methodology

Included **Outliers** Sample observatio 1000

Household Marital Total size status of household household expenditures The share of household expenditures recreation **Education** and culture level of household head

> Age of household head Gender of household head



