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CORRELATION INVESTIGATION: THE COGNITIVE REFLECTION TEST AND THE MATH NATIONAL EVALUATION SCORES

Abstract:

Purpose - the aim of the paper is to assess the relationship between the Cognitive Reflection Test (CRT) scores and the Math National Evaluation scores.

Design/methodology/approach - statistical analyze and econometric methods, using SPSS, the Pearson correlation; critical assessment of literature review; quantitative methods.

Findings - there is a significant, strong and positive correlation between the Math National Evaluation scores and the Cognitive Reflection Test scores, in both versions, the original CRT and the 10 items LCRT (Long Cognitive Reflection Test).

Practical implications - optional courses focused on logical reasoning could have a positive impact on Math National Evaluation scores.

Originality/value - to the author's knowledge, this is the first analysis of the relationship between CRT scores and Math scores at secondary school level.

Limitations - the participants were only from the Eastern part of Romania.

Keywords:

Cognitive Reflection Test, Math National Evaluation scores

JEL Classification: C02, I21