

## **Investigating Second Level Primary Students' Learning Styles and Geometry Self-Efficacy In Terms of Certain Variables**

By

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### **Abstract**

*The aim of the present study is to investigate relationship between students' learning style and geometry self-efficacy; and to evaluate this relationship in terms of students' gender and grade-level. The sample consists of 803 6th-, 7th- and 8th- grade students in Istanbul. Data obtained from sub-problems of the present study was analyzed by SPSS 13.0. T-test and the Pearson product moment correlation was used to analyze data gathered from "Learning Styles Scale" and Geometry Self-efficacy Scale. Results showed that female students have visual learning style at 8th grade, bodily-kinesthetic learning style at 7th grade; and they have more negative self-efficacy towards geometry at 6th grade. Results also showed that all students' visual learning style has a significant positive relation with geometry self-efficacy and use of geometry knowledge; and 8th grade students' kinesthetic learning style has a significant positive relation with geometry self-efficacy and use of geometry knowledge. At the end, results were discussed in the light of the literature.*

**Keywords:** *Learning styles, geometry, geometry self-efficacy, gender, middle school students*