

ZMATH 2010a.00438

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A study on statistical thinking and developing statistical thoughts.

J. Korea Soc. Math. Educ. Ser. C, Educ. Prim. Sch. 12, No. 1, 31-38 (2009).

Summary: This paper aims to develop a program which cultivates statistical ability for elementary students. For this purpose, I examined the relationship between mathematical thinking and statistical thinking. I developed statistical programs including classification, discussion of data, generating statistical problem and project program. As result, this study suggests implications for further elementary statistical education.

Classification: K12

Keywords: primary education; descriptive statistics; mathematical thinking; statistical developing programme; statistical inference; statistical literacy; stochastic thinking; teacher role