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A validity study: attitudes towards statistics among Japanese college students.

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Summary: This cross-cultural study investigated the relationship between attitudes toward statistics (ATS) and course achievement (CA) among Japanese college students. The sample consisted of 135 male and 134 female students from the first two-year liberal arts program of a four-year college in Tokyo, Japan. Attitudes about statistics were measured using the Wise Attitudes Toward Statistics Scale (ATSS). A Japanese version of the ATSS was developed by a team of bilingual experts in Japanese studies and linguistics. The final course grade of the participants served as the measure of course achievement. Data analyses include factor analysis, reliability estimates for the ATSS, correlation analyses of CA, and the ATSS factor scores.

Classification: C25 C45 K15

Keywords: statistics education; research; stochastics; student attitudes; beliefs; college students; affective variables; attitudes toward statistics scale; achievement; factor analysis; factor score

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