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Graphical representations of statistical associations by upper primary students.

Bana, Jack et al., Mathematics education beyond 2000. Vol. 2. Proceedings. , (ISBN 0-9596844-8-4). 440-447 (2000).

Students' graphical representations of statistical associations are explored through analyses of responses from 97 students in grades 4, 5, and 6. The task involved representing (a) the association "People grow taller as they get older," (b) this association with an age modifier, and (c) this association with sex differences. Three levels of representing bivariate associations and of representing multivariate associations are described: unsuccessful, partial, and complete. Issues for developing student representations are discussed.

Classification: K42