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**Longitudinal understanding of conditional probability by school students.**

Truran, John M. et al., Making the difference. , (ISBN 0-9594844-9-2). 522-529 (1999).

Two survey items asking for estimates of probability or frequency of conditional events,  $(A|B)$  and  $(B|A)$ , were completed by 2719 school students in grades 5 to 11. Cross-sectional and longitudinal analyses revealed improvement with grade in expressing probability numerically and in distinguishing conditional events. Conditional events were better distinguished for the frequency item than the probability item. Comparisons with responses to other probability items indicated understanding of conditional probability was related to development of basic chance measurement. (Orig.)

*Classification:* K53

*Keywords:* cross-sectional analyses; longitudinal analyses