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Proportional reasoning: lessons from research in data and chance.

Math. Teach. Middle Sch. 10, No. 2, 104-109 (2004).

Summary: This article presents two statistical tasks, one on comparing data sets, another on repeated sampling, both of which have powerful connections to proportional reasoning. Students' work and reasoning on these tasks are included, as well as suggestions for ways to use these tasks with middle school students to connect statistical thinking to proportional reasoning. (Contains 2 figures.) (ERIC)

Classification: K43 K73 C33 D83

Keywords: descriptive statistics; proportional reasoning; statistical thinking; curriculum; problem solving; prediction; interviews; comparative analysis; learning activities; learning strategies; student reaction; student research; lower secondary