

ZMATH 2016f.01204

Watson, Jane; Callingham, Rosemary

Lung disease, indigestion, and two-way tables.

Investig. Math. Learn. 8, No. 2, 1-16 (2016).

Summary: This paper considers the responses of 115 school students to two problems based on information provided in two-way tables. In each case the question asks if one of the variables involved depends on the other. Contextual knowledge might suggest a dependent relationship in both but in one problem the data show independence while in the other the data imply an inverse relationship. A wide range of solution strategies illustrates the cognitive complexity dealing with information in two-way tables.

Classification: K40 M60

Keywords: statistics; two-way tables; data analysis; real-life problem

doi:10.1080/24727466.2015.11790348