

ZMATH 2016f.01282

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The not-so-random drunkard's walk.

J. Stat. Educ. 21, No. 2, 8 p., electronic only (2013).

Summary: This dataset contains the results of a quasi-experiment, testing Karl Pearson's "drunkard's walk" analogy for an abstract random walk. Inspired by the alternate hypothesis that drunkards stumble to the side of their dominant hand, it includes data on intoxicated test subjects walking a 10' line. Variables include: the direction to which subjects first stumbled, the side of the line on which they ended up, and a record of subjects' dominant hand. In addition to enhancing a discussion of the random walk itself, instructors may find this dataset useful for teaching tests of sample proportions.

Classification: K65 K75 K95

Keywords: university teaching; stochastics; statistics education; probability; data set; random walk; probability; test of sample proportion; research; experimental intervention; student activities; drunken walk; claim of non-randomness; dominant hand's side; hypothesis testing
<http://www.amstat.org/publications/jse/v21n2/ehrhardt.pdf>