

**Statistics poster competitions: what do they tell us about teachers' knowledge of statistics and how can we learn from this**

Dr Jenny Freeman\*  
University of Sheffield, Sheffield, UK, [j.v.freeman@sheffield.ac.uk](mailto:j.v.freeman@sheffield.ac.uk)

Dr Eleanor Stillman  
University of Sheffield, Sheffield, UK

Dr Brad Payne  
Conker Statistics, Chipping Norton, UK

The analysis and interpretation of data are important skills for life. However there is evidence to suggest that the teaching of such skills is poor within both primary and secondary schools. In many cases this is not the fault of the teacher as they may not have been taught the necessary skills themselves. Since 2006 we have organised an annual Statistics Poster Challenge (SPoC – [www.spoc4schools.org](http://www.spoc4schools.org) <<http://www.spoc4schools.org/>>) to engage students and provide an outlet for data investigations in the classroom. To date over 2,500 students have entered posters, which, in addition to showcasing well-performed investigations, provide a rich source of statistical misconceptions. This talk will present examples of some of the common errors and confusions that occur in the posters, with recommendations for how these can be used as a vehicle for improving the teaching of statistics within schools, through the development of CPD materials

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