

# SSA NATIONAL SCHOOLS POSTER COMPETITION

ENTRIES  
CLOSE  
10 NOVEMBER

COLLABORATE  
INVESTIGATE  
CREATE

**STATISTICS AND DATA SCIENCE**  
- THE GATEWAY TO YOUR FUTURE



**International Statistical Institute's Best Cooperative Project Award Winner 2017**  
**Recognised in Chief Scientist's STEM Programme Index 2016**  
**Supports iSTEM's Module 13: Statistics in Action**

## Overview

The project-based learning activity involves teams of 2 to 5 school students creating an informative poster presentation addressing a practical question on an area determined by students, from any field, based on an investigation utilising the collection, presentation and interpretation of data. There are 5 divisions, Stages 2-6. Submissions are online.

## Addresses National and State Curricula

- All 8 General Capabilities
- Cross-Curriculum Priorities
- Discipline-specific Curriculum Outcomes across Stages 2 - 6

## Videos of the activity - [www.ssaipostercomp.info/resources.html](http://www.ssaipostercomp.info/resources.html)

- Overview – 1 minute
- How to run (for teachers and mentors) – 6 minutes
- Testimonials (from students and teachers, primary and secondary) – 6 minutes

## Support videos - [www.statstuneup.com.au](http://www.statstuneup.com.au) and [www.ssaipostercomp.info/resources.html](http://www.ssaipostercomp.info/resources.html)

- 13 Expert videos (4 mins each) – professionals across many fields discussing the practice and value of Statistics
- 12 animated videos (4 minutes each) surrounding introductory statistics topics + supporting resources

## Aims

- Increase awareness of the wide application and value of Statistics, and make Statistics accessible
- Inspire school teachers and students with practical applications of curriculum content
- Increase students' abilities to succinctly communicate key information
- Inspire school students towards Higher Education and careers in Statistics, Mathematics and Sciences
- Inspire and enrich through boundary encounters and collaboration

## Project ideas - <https://www.ssaipostercomp.info/schools/winners.html>

- does music affect concentration or reactions (using mobile phone apps to test participants' abilities)?
- can one's height be predicted based on body part lengths (forensic anthropology)?
- how do various brands of cereal compare in terms of nutrition?
- how do electricity or water usage vary with numbers of members in a household?
- do people prefer the taste of certain brands (blind taste-tests: Aldi v Coles)?
- do Vitamin C levels differ between organic and non-organic oranges?
- do some educational or memory techniques have greater success than others when learning a new language?
- In-class surveys, depending on the support students have and school guidelines.

**Support System:** Mentors may (if desired by school/teacher) attend schools and help facilitate projects.

**Prizes:** Free to enter. Certificates for all participants! Gift cards (\$50-\$200) awarded to winning teams and their schools.

**Further Details** (guidelines, judging criteria, rules) or to register: [www.ssaipostercomp.info](http://www.ssaipostercomp.info)

**National Division Winners (Stages 5 and 6) may progress to the International Competition**

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