

# National Schools Poster Competition (NSPC)



Enriching Years 3-12 students  
with future-focussed STEM skills

*STATS + X ... What's your X?*



**SSA NATIONAL SCHOOLS POSTER COMPETITION**

**ENTRIES CLOSE 10 NOVEMBER**

**COLLABORATE**  
**INVESTIGATE**  
**CREATE**

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

**OUR SPONSORS**  
Regional Development Australia  
ME PROGRAM  
Statistical Society of Australia

**Great prizes to be won in each division from Year 3 through to Year 12**  
Discuss with your teacher or visit [www.ssapostercomp.info](http://www.ssapostercomp.info) for more information

Much more than a poster competition!  
*Statistics ... in Practice*

*Click for 1-minute Overview Video*  
[www.ssapostercomp.info](http://www.ssapostercomp.info)

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## How it works



Passion



Students follow their **passion**, **determine the topic** and conduct a small-scale **industry-style investigation**



Collaborate



Teams **cross discipline boundaries** to investigate and visually report on a practical question



Communicate



The **project-based learning** stimulates **communication**, **creativity** and **innovation**



Future



..and realises **future workforce skills**



Statistics



The NSPC uniquely combines the students' **passion** with **statistics**



Engage



Students **engage** with and **enjoy statistics** before they even realise it!

## 2 Authentic *student-inspired* learning

**View Past  
Winners**



Students create an **informative** e-Poster presentation communicating their investigation **clearly, concisely and creatively.**

**Science, Technology, Engineering & Mathematics (STEM)  
in practice!**

**Statistics and data science are pivotal  
to the future STEM workforce  
and span every human endeavour,  
with some 75% of the fastest-growing  
jobs requiring STEM skills.**



***Inclusive and value-adds***

- Provides a unique platform for the student voice.
- Enriches students with skills valuable to their and the nation's future.
- Increases teacher and student interest & confidence in statistics.

***Access and equity***

- Online submission and support resources fosters broad accessibility.
- Schools from low SES rural/remote areas have won the competition.

***Awards***

- All participants receive a certificate
- Winner and honourable mention certificates are also awarded
- Winning teams, and their schools, each win a gift card per Division

***Authentic learning***

- Teams conduct small-scale versions of real-world investigations
- Develops core STEM and cross-functional skills

- ✓ **Coordinated by Professor Peter Howley - Accredited Statistician & Practitioner**
  - Inaugural 2018 Science & Technology Australia STEM Ambassador
  - Chair of Statistical Education, Statistical Society of Australia
- ✓ **2017 Winner of the International Statistical Institute's Best Cooperative Project Award**
- ✓ **2016 Listed in the Chief Scientist's STEM Programme's Index**
- ✓ **Growth - piloted in 2014 to 85 students the initiative now engages over 1000 students nationally each year across Years 3 to 12**
- ✓ **Winners may progress to the International Competition - Australia has won Junior and Senior Divisions**
- ✓ ***Always innovating* - new divisions**
  - ... why should only school students have all the fun?

## Unique in developing Statistics and Data Science

### Through engaging in the competition:

- teacher confidence in connecting students with valuable practice increased - recognition of the value of statistics *increased* by some 50% on average
- student participation and enjoyment in learning about statistics *increased* by as much as 94% on average

### Addresses National and State Curricula - nurtures future workforce skills

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

### National Mentor Network - Industry connection

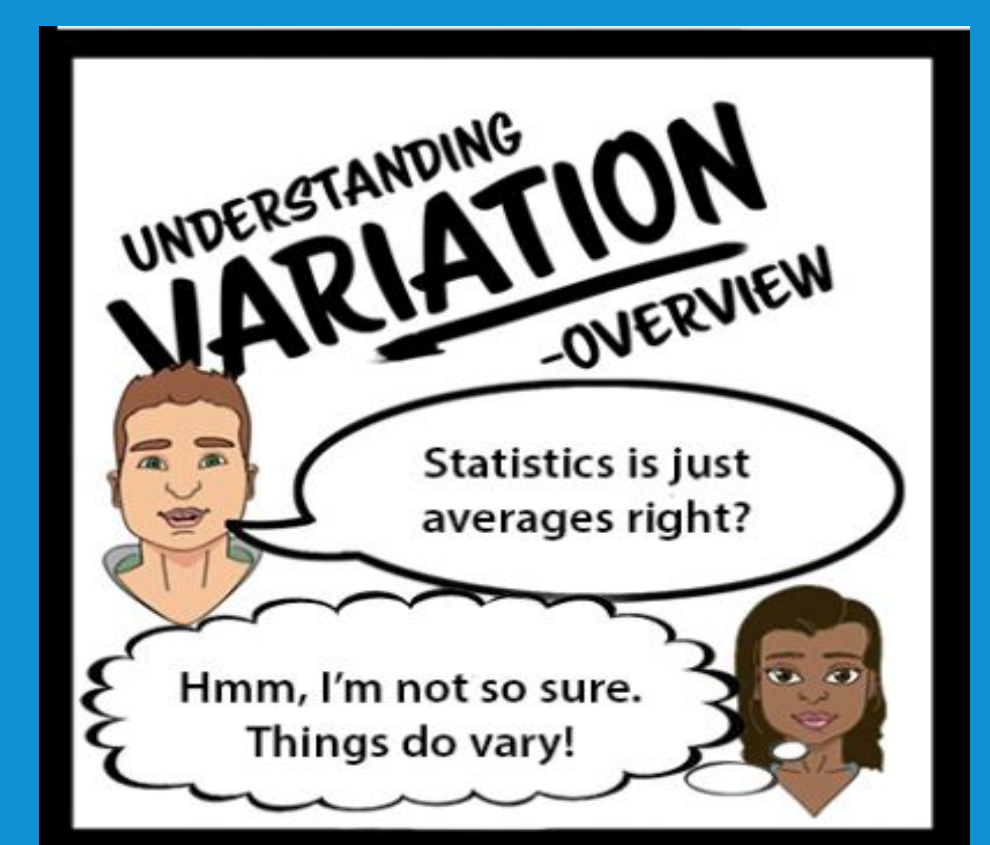


### Inspirational Industry Expert Videos

**Experts discuss** the practice and value of Statistics - NASA, Qantas, HVCCC, NSW Health and more...

### Support resources:

- **animated 4-minute videos from [statstuneup.com.au](http://statstuneup.com.au)**  
Explaining introductory statistics topics
- **'How to deliver' video (6 minutes)**
- **'Rationale' video (4 minutes)**



# 5 Testimonials - click for 5-min Video

## Students



"I liked being able to direct the project"



"Educational and enjoyable"



"I loved working in a team"

*"I was inspired by the students' keenness ... it provides them a unique opportunity"*  
- Industry Mentor

## Teachers



"21st Century learning at its best!"



"Motivates and engages students"



"Addresses national and state curriculum"

*"When they do study the sciences at school...the best way to teach it inspirationally is to teach it the way it is practised"*  
- former Chief Scientist, Professor Ian Chubb

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Thank you for your consideration  
...we look forward to seeing your school participating

# SSA NATIONAL STATISTICS POSTER COMPETITION

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CLOSE  
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