PSI Careers

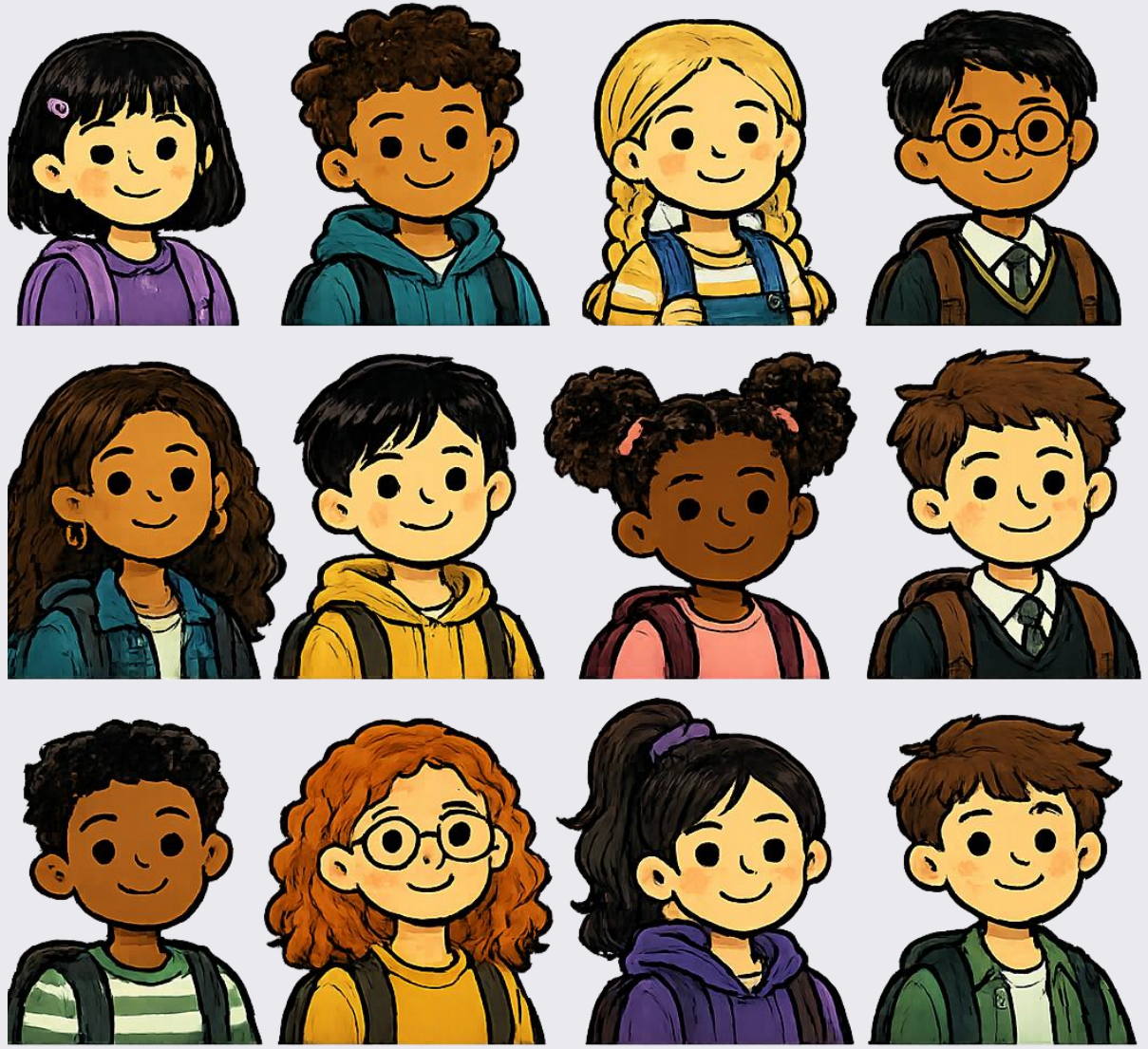
Helping you take the next step forward

From Classroom to Clinical Trials: How PSI Schools is inspiring the next generation of statisticians

Before Statistics

More than equations

They just don’t know it yet




PS
Schools

Upcoming Initiatives

Escape Room Workshop

Extension Activity 1: Site-Selection

Randomization & Set-Up

On the world map, find these five cities for your experiment locations: **New York, Cairo, Tokyo, Paris** and **Sydney**. Use the numbers on the map to solve this puzzle and get a **3-digit code**.

New York	+	Cairo	=	A
A	x	Tokyo	=	B
Paris	x	Sydney	=	C
B	-	C	=	D
D	x	New York	=	___ ___ ___

FUN FACT: Medicines are tested all around the world to make sure the medicine works for people of all different ages, backgrounds and lifestyles.

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Extension Activity 4: Study Schedule

Efficacy

Below is a blank clinical trial timetable that should show **which measurements need to be recorded at which visit weeks**. Use the information below to **tick the weeks** each should be measured.

Week Number → / Body Measurement ↓	Week 0	Week 2	Week 4	Week 6	Week 8	Week 10	Week 12	Week 13	Week 14	Week 16	Week 18	Week 20	Week 22	Week 24	Week 26
Height (cm)															
Weight (kg)															
Blood Pressure (mmHg)															
Heart Rate (bpm)															
Side Effects															

Schedule of Measurements:

- Heart rate must be measured **every 4 weeks.**
- In the **first 8 weeks**, blood pressure must be measured **every visit**; afterwards only EVERY 6 WEEKS.
- It is important to know if the medicine is causing side effects, so we should ask **every visit.**
- We must have recordings at the **start, midpoint** and **end** for all measurements.

FUN FACT: In clinical trials, we call Week 0 **BASELINE** – this is the first day taking the medicine and all measurements should be taken so you can compare how they have changed later on.

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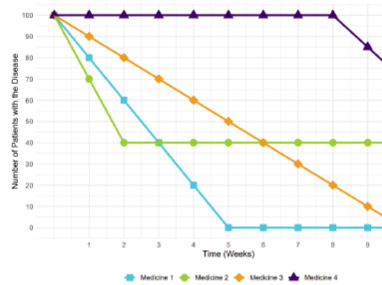
"What an innovative way to engage with learning!" Teacher, Barnabas Oley Primary School

Activity 7: Comparing Treatments (Line Graph)

Results & Data Visualisation

Your fellow statisticians have made a **line graph** of the results, but it seems there is a mix-up ... Draw lines to **match each medicine to its line** to find out how well each medicine works.



Medicine 1	Hooray! The number of people with the disease goes down every week.
Medicine 2	The number of people with the disease went down at the start, but after nothing changed.
Medicine 3	First nothing changed, but then the number of people with the disease started to go down.
Medicine 4	This medicine worked quickly – after a few weeks nobody had the disease anymore!

FUN FACT: Line graphs are a useful tool to see how a measurement changes over time.

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We Need You!

To register your interest in PSI Schools, please scan the QR code here:

clucasga@amgen.com