

## Meaningful Learning Experiences

Strategic Commitment	✓	Part of the Gatsby Benchmarks National Pilot
Curriculum Provision	✓	A topic normally covered at this of the year
Employer Partnerships	✓	Reactivating an Enterprise Adviser role
Reflective Young People	✓	Developing teamwork and presentation skill
Informed Career Choices	✓	Challenging workplace gender stereotypes

### SME tech company motivates year 8 students about data, statistics and graphs

The maths team at Kenton School was exploring fresh way of teaching Statistics with year 8 students, suggesting that, '*... a live-brief would make this topic much more engaging*', also wishing to show that maths is valued in the workplace.

Emma Banks, the CEO of Datatrial Ltd, was already working with the school as an Enterprise Adviser (part of the Careers & Enterprise Company's national initiative). For various reasons, the relationship had been largely dormant for 6-9 months. Emma's company specialises in data management for clinical trials, so was well-placed to support the curriculum project. She also recognised that this project created an opportunity to contribute to careers guidance within a core subject across a whole year group, without her delivering the programme in the classroom - a key criterion for working as an Enterprise Adviser.

The SME partner provided background information about Datatrial's business and a set of edited statistics from an example clinical trial for students to analyse. A further challenge was introduced, requiring students to come up with creative ways of displaying data within the firm's 'nowEDC' software. A visit at the end of the project by the employer partner provided both a motivation for students and an opportunity for feedback from the Enterprise Adviser.

### Benefits for the Students

- *'The students had free reign to put everything into practice that they have been doing in maths and present the data in a different way that they could understand'*
- *'None of them wanted to be embarrassed at the end and they knew they had to stand next to their work and be accountable for what they had done'*
- *'Knowing that students had to present to a real person from outside of school who is the top of their company really motivated them to do their best'*

### Benefits for the School

- 'We usually do a data project at this time of year ... It has all be within usual timetabled maths lessons and the usual maths topic'
- '... examples we can show off as case studies from our school that have worked with our pupils and hopefully the whole school can deliver at least one project per department'

### Benefits for the Employer

- 'It would be great to see students consider how they can chart the information better, apply any simple stats or calculations and how they might filter the data to look for trends'
- Emma Banks, the CEO of Datatrial, was committed to working with Kenton School as part of the Careers & Enterprise Company's Enterprise Adviser Network. This project helped to reactivate a working relationship that had stagnated for various reasons

**Datatrial Maths Challenge**

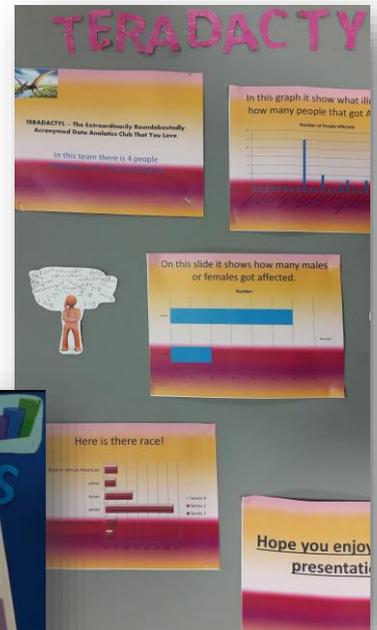


We want your fresh ideas about how we might summarise data in reports more effectively

Emma Banks PhD  
Chief Executive



A sample set of data from a medical trial was used by students to present ideas about graphical representation of data to the CEO of local tech company Datatrial.



Demography and AEs grouped by gender and filtered on serious YES

Site Title	Patient Identifier	Date of birth	Adverse event term	Is the adverse event serious?
<b>FEMALE</b>				
Site001	001-125	04-Aug-1952	GI BLEED	YES
Site002	002-002	04-Apr-1996	HEADACHE	YES
Site002	002-003	15-Jun-2015	HEADACHE	YES
Site002	002-003	15-Jun-2015	PYREXIA	YES
Site002	002-003	15-Jun-2015	DYSRNOEA	YES
Site003	003-002	22-Nov-1965	NAUSEA	YES
Site003	003-003	06-Mar-1972	SEVERE HEADACHE	YES
Site003	003-007	09-Mar-1942	HEADACHE	YES
Site005	005-001	18-Mar-1974	HEADACHE	YES
Site005	005-004	04-Feb-1963	SHORTNESS OF BREATH	YES
<b>MALE</b>				
Site001	001-001	04-Apr-1961	PALPITATIONS	YES
Site001	001-001	04-Apr-1961	HYPERTENSION	YES
Site001	001-005	13-Feb-1950	SEVERE HEADACHE	YES
Site003	003-004	22-Jun-1952	SEVERE ASTHMA	YES
Site003	003-005	06-Jun-1948	SEVERE ASTHMA	YES

