be aware of the basic technical terms that might be encountered in everyday life such as ‘significant’, ‘confidence interval’, ‘correlation’ and ‘standard deviation’.

Sample Teaching Resource

In view of the project requirement to provide a sample resource in just one STEM subject area, in designing the resource we adopted the following guiding principles:

- it should deal with a topic that employers would perceive as forming part of the curriculum dealing with statistical topics that STEM graduates should be able to identify and critically evaluate;
- it should be a topic that is applicable (albeit with differing context) across STEM disciplines;
- it should consist of a PowerPoint presentation; notes in support of the PowerPoint; and an additional exercise with supporting data;
- it should allow for both low and intermediate levels of mathematical skill.

This PowerPoint resource is downloadable from the RSSCSE web site at www.rsscse-edu.org.uk

Acknowledgements

The project team are extremely grateful to all the individuals in Semta, the CBI and the Plymouth Manufacturing Group who have helped us make contact with employers and to the employers themselves, and their employees, who have made this project possible.

References


maths e.g. version 2 and Teacher interface

Martin Greenhow, Brunel University

maths e.g. is a free-to-use collection of almost 2000 mathematics questions with random parameters and feedback spanning topics from GCSE to undergraduate level 2 made available to mathcentre by Martin Greenhow and Abdulrahman Kamavi from Brunel University. After an initial successful trial, version 2 of maths e.g. is now available at http://www.mathcentre.ac.uk:8081/mathseg/

This page is for student use so you can simply point your students here, preferably with some advice on which question topics to attempt. Students can also use the search facility. Staff might find this a source of inspiration when setting examples sheets and/or assessments.

There is also a teacher’s interface at: http://www.mathcentre.ac.uk:8081/mathsegteacher/

This resource is for teachers and lecturers, not for students. Teachers need to sign up and log in to the system, after which they may use it to compose their own tests by selecting (specifically or randomly) questions from the entire database of questions. We hope that this is as easy as shopping on Amazon, but we have included a set of instructions linked from the title page. Please make frequent use of this - it will give your students access to about 2000 questions that have (mostly) been tested over several years. Our experience has been that students learn a great deal and we have hard evidence to back that up!

Further developments will take place over the next few months, so please email your feedback using the link on the title page.