
Have You Seen This?

Have You Seen This?... is a new section containing short reviews and articles for you to quickly read and contribute to. The editors invite people who just have not the time for a long review or article. If you would like to contribute on topics covering courseware, teaching, learning, assessment or any current topic affecting the Maths, Stats & OR academic community, email the editors or complete the on line form at: <http://ltsn.mathstore.ac.uk/feedback/submit/articleidea.htm>

Title: Moore, Thomas L., (2000) *Teaching Statistics* The Mathematical Association of America and the American Statistical Association. ISBN 0-88385-162-8

Author: Peter Holmes, Nottingham Trent University, Peter_Holmes@btinternet.com

This book, edited by Thomas Moore, is number 52 in the series of MAA Notes and is described as *Resources for Undergraduate Instructors*. It costs \$31.95 (ASA members \$25.95) and is almost worth the price for the first (very short) article alone. This is by George Cobb, is entitled *Teaching Statistics: More Data, Less Lecturing*, and is a concise summary of his fuller article, *Teaching Statistics*, in MAA Notes No. 22 – *Heeding the Call for Change*.

Here he offers two recommendations for statistics teaching, and three headings on how students learn.

The two recommendations for teaching are:

- More data and concepts
- Emphasize statistical thinking.

The second point expands to:

- The need for data
- The importance of data production
- The omnipresence of variability
- The quantification and explanation of variability
- Effective learning requires feedback.

The three headings on how students learn are:

- Basic concepts are hard and misconceptions persist
- Learning is constructive
- Foster active learning.

The next section of the book includes practical articles on using real data in teaching, examples of small student projects used in teaching and on using case studies in teaching business statistics courses at Harvard Business School.

The third section of the book gives excerpts from three recent publications on teaching statistics actively. There is a section on using technology, with examples from recently developed software in the USA and a very useful summary of resources available on the Web. The final section is on assessment and includes a very helpful article by Joan Garfield on new ways to use assessment to improve student learning.

Details of the publication can be found on:

<http://www.amstat.org/publications/TeachStats.pdf>

Your advert could be here!

This newsletter reaches teachers and course developers at all levels and in all areas of mathematics, statistics and OR in all higher education institutions in the UK. It also has an overseas mailing list.

The total circulation at present exceeds 2300.

Workshops, conferences, meetings etc will be given free publicity.

Advertisement rates till Dec 2001 VAT exclusive

| | colour | mono | Quarter page (landscape or portrait) | 75 |
|-------------------------|--------|------|--------------------------------------|-----|
| Full page back cover | 450 | | one page insertion | 350 |
| Full page inside cover | 425 | | extra pages (each) | 100 |
| Full page in newsletter | 400 | 300 | | |
| Half page | 260 | 150 | | |

Reductions for regular or bulk advertisers. Copy date for the next issue is 10 October 2001.

Further details from the editor and at

<http://ltsn.mathstore.ac.uk/newsletter/advert/adinfo2001.htm>