Looking back on 30 years of the Journal of Statistics and Data Science Education with some of the founders (October 19, 2021)



Joan Garfield

Tim Arnold

**Jeffrey Witmer** 

# CAUSE/JSDSE webinar series

# Welcome from our host and moderator



Nicholas Horton (Amherst College)

### What's new in the journal?

### Latest articles

#### Article

Diagnosing Data Analytic Problems in the Classroom >

#### Article

Using Team-Based Learning to Teach Data Science >

#### Article

Fitting Percentage of Body Fat to Simple Body Measurements: College Women >

#### Article

Trends in Teaching Advanced Placement Statistics: Results from a National Survey >

Roger D. Peng et al. Published online: 11 Oct 2021 Eric A. Vance Published online: 1 Oct 2021 Roger W. Johnson Published online: 22 Sep 2021 Hollylynne S. Lee et al. Published online: 21 Sep 2021





### CAUSE/Journal of Statistics and Data Science Education webinar series

### Upcoming webinars:

November 16, 2021 5:00pm (note special time) "Do data competitions improve learning: A study on student performance, engagement, and experience with Kaggle InClass data challenges (Julia Polak, University of Melbourne and Dianne Cook, Monash University)
Signup at <a href="https://www.causeweb.org/cause/webinars">https://www.causeweb.org/cause/webinars</a>

Webinars are recorded and posted (with slides) at that same site

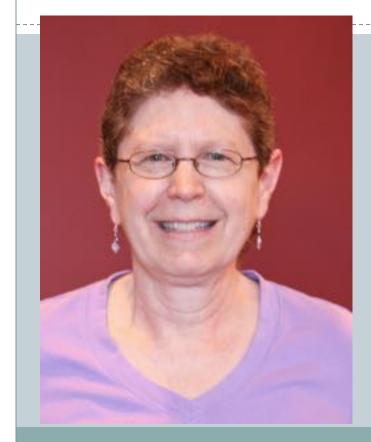


## 2021 Electronic Undergraduate Statistics Research Conference

FRIDAY, NOVEMBER 5TH, 2021

https://www.causeweb.org/usproc/eusrc/2021

### With many thanks to the late Jackie Dietz (founding editor of JSE)



### **Obituaries for February 2021**

1 FEBRUARY 2021 720 VIEWS NO COMMENT

#### Jackie Dietz

Submitted by Len Stefanski, North Carolina State University Department of Statistics



Jacquelin Dietz passed away after a battle with pancreatic cancer. Jackie, as she preferred to be called, was a colleague and friend to many in the North Carolina State University Department of Statistics. After completing her PhD in 1978 at the University of Connecticut, she joined the department. She remained on the faculty until 2004, when she moved to Meredith College. During her time at Meredith, Jackie was head of the mathematics and computer science department from 2007 to 2012.

Jackie Dietz

During the 1980s, Jackie worked and published in the area of multivariate nonparametric statistical methods. Her interests turned toward statistics education and, in 1993, she became the founding editor of the Journal of Statistics Education (JSE). After that time, most of her professional efforts involved editorial work for several journals, service to professional organizations, and extensive involvement in the AP Statistics program.



# Harken back to the 1990's...

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### ASA website (end of 1996)



1429 Duke Street Alexandria, VA 22314-3402 USA (703) 684-1221 FAX: (703) 684-2036 asainfo@amstat.org

#### About the ASA

News (future)

#### Calendar

Sections

#### Chapters

ASA Fellows, Fellowships



#### 12/12/96

The address of the Houston Chapter has been updated.

#### 10/09/96

The Report of the President's Blue Ribbon Panel on the <u>Census</u> is available. The Panel's Charge and Membership are also available. The <u>Connecticut</u> Chapter now has a home page. The <u>Princeton/Trenton</u> Chapter now has a home page.

#### 10/03/96

The Awards Page has been reorganized to clarify three different programs operated by the ASA -- ASA Fellows, ASA Research Fellowships and the ASA Awards Program. Each now has its own page with additional details.

#### 09/30/96

<u>Public Statistics Day</u> report on the <u>Education</u> page. The <u>Twin Cities. MN</u> Chapter of the ASA now has a web site.

# Fin de Sie'cle

Are we about to see a major national reemphasis on teaching? Bears will use indoor plumbing first. Whether for bears or academics, there is no economic incentive to change. My pessimism trickles down from the dismal twin clouds of supply and demand:

DS Moore, GW Cobb, J Garfield, and W Meeker (1993), "Statistics Education Fin de Sie`cle," The American

## Heeding the Call for Change (1992)

### **Teaching Statistics**

George Cobb Mount Holyoke College

#### Introduction

This report on teaching statistics will present the Statistics Focus Group's recommendations under three headings, corresponding to *statistics* ("Recent Changes in the Field"), *mathematics* ("Some Differences Between Mathematics and Statistics"), and *teaching* ("What Research Tells Us"). A fourth section ("Examples") illustrates ways these recommendations can be put into practice, and a final section ("Making It Happen") offers two meta-recommendations about implementation.

What do we want students to be able to *do*, themselves, in terms of performing statistical work after their course is completed? What kinds of statistical reasoning, or arguments, do we want them to be able to *understand*? What kinds of *experiences* should the students have had in the course?

-Jim Landwehr, AT&T Bell Labs

# Heeding the Call for Change (1992)

1. Establish New Sections in Existing Journals.

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It would be easy to assume that most of the things we recommend should be done by the ASA, but some of this must be done in MAA journals. Quite a few statistics teachers in mathematics departments, members of MAA but not ASA, need to be encouraged to participate in this conversation.

-Mary Parker

There should be sections devoted to statistical education in some of the existing journals. A section on statistical education devoted to undergraduate teaching and learning should not be used as a vehicle to publish low quality research papers. I'm opposed to starting a new journal. Libraries are cutting circulation and I can't find time to read existing journals.

-Jack Schuenemeyer

The "Teacher's Corner" in the American Statistician, although interesting, does not address our concerns.

-Mary Parker

# Heeding the Call for Change (1992)

4. Expand Efforts to Involve Statistics Teachers in E-mail Conferencing.

Tim Arnold of North Carolina State has just recently set up a procedure for joining such a group, one established by the Statistical Education section of the ASA. (See Appendix C for a description and instructions on how to join.)

In the ten years or so I have been teaching statistics, I have not seen many opportunities to participate in the kind of discussion we are having in this group. I think that statistics teachers would profit by, and enjoy, participating in such discussions. ... We need to be providing the kind of forum and inspiration to people that will encourage each of them to think of ideas of their own. For me, reading what other people do is marvelously inspiring. I think it would be to others.

-Mary Parker

# Founding editorial board

**Editor:** E. Jacquelin Dietz Managing Editor: J.Tim Arnold Editors, Teaching Bits: A Resource for Teachers of Statistics: Joan Garfield, J. Laurie Snell Editors, Data Sets and Stories: J. Tim Arnold, Robin H. Lock **Associate Editors:** Donald Bentley, George Cobb, Janice Derr, Peter Holmes, Gudmund Iversen, Thomas Johnson, Peter A. Lachenbruch, James M. Landwehr, David S. Moore, Mary Parker, Walter R. Pirie, Allen H. Reed, Thomas Reiland, Eiki Satake, Richard L.Scheaffer, Judith Singer, Henry B. Slotnick, Eric R. Sowey, W. Robert Stephenson, William Swallow, Jim Swift, Michael J. Symons, John Wasik, Ann E. Watkins, Jeffrey Witmer

## First issue

- 1. Interview with Fred Mosteller (David Moore)
- 2. NSF Conference report (George Cobb)
- 3. Teaching statistics using small group learning (Joan Garfield)
- 4. Structure and philosophy of JSE (Tim Arnold)
- 5. Teaching bits: a resource (Joan Garfield and Laurie Snell)
- 6. Datasets and stories intro and guidelines (Robin Lock and Tim Arnold)
- 7. 1993 new car data (Robin Lock)

### **Reconsidering Statistics Education: A National** Science Foundation Conference

George W. Cobb Mount Holyoke College Support was provided by the NSF under Grant No. USE-9255396

Journal of Statistics Education v.1, n.1 (1993)

The need for curricular resources in statistics is acute, arguably more acute (at the college level) than in any other subject. The reason: Of all subjects taught as often as statistics, surely no other subject is so often taught by faculty with so little formal training in the subject.

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### The Structure and Philosophy of the Journal of Statistics Education

Tim Arnold North Carolina State University Managing Editor

Journal of Statistics Education v.1, n.1 (1993)

### Abstract

The Journal of Statistics Education (JSE) has a unique structure and an inclusive philosophy that have technical consequences for readers and authors. This paper, a message from the journal's managing editor, explains why the JSE was built to have its unique structure, the format of information available to readers, and the effect the philosophy will have. The paper's <u>Appendix</u> outlines three groups of readers and associated methods of accessing the journal. The <u>Appendix</u> also describes the purpose and contents of the associated JSE Information Service.

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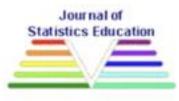
National Research Council

https://www.nap.edu/read/2355

# CATS report 1994 (workshop 1993)

SOLOMON: I declined John Tucker's earlier invitation to talk about the statistics department at North Carolina State University, but instead I am going to do a little marketing for the Journal of Statistics Education. It has been referred to a couple of times in these two days. The first issue of that journal, which is accessible electronically in a number of ways, appeared on July 19th. The founders had two motivations in mind for establishing the journal that are relevant to this symposium. The primary one was what I hope is the obvious one, and that is to provide a vehicle for exchange of information on postsecondary statistics education. But there was a secondary goal that relates to the reward structure that we have talked about and has come up a couple of times in the course of this symposium. That goal is to provide a rigorously refereed, and, hopefully, therefore respected outlet for scholarship in statistics education, one that will provide some tangible fodder for promotion and tenure files. Whether it achieves that goal depends on whether all of you begin to submit papers to it. Part of the excitement of it is that it is distributed electronically, and so offers opportunities that simply are not available in the print media. For example, an article in the first issue written by George Cobb describes the results of a sequence of NSF-sponsored projects in statistics education. The article itself is a summary of those projects, but if you wish, you can request from the Journal

Journal of Statistics Education, Volume 21, Number 2 (2013)



#### Celebrating 20 Years of the Journal of Statistics Education

E. Jacquelin Dietz Meredith College

John Gabrosek Grand Valley State University

William Notz The Ohio State University

Thomas H. Short John Carroll University

Journal of Statistics Education Volume 21, Number 2 (2013), www.amstat.org/publications/jse/v21n2/editor\_reflections.pdf

## Questions for our panelists

Can you share a bit about yourselves and offer some reflections of the founding of the Journal?

## Questions for our panelists

How has the journal changed since its founding? What's been most surprising to you?

## Questions for our panelists

Do you have any advice to provide to future journal editors?

### Questions from the audience



Joan Garfield

Tim Arnold

Jeffrey Witmer