
*The Snake River Chapter of the American Statistical Association
invites you to attend a one-day course*

Sample-Size Analysis for Study Planning

*Ralph O'Brien, PhD
Case Western Reserve University*

When: May 30, 2008, 8:00 AM – 5:00 PM (8:00-8:30 Continental Breakfast)

Where: Micron Technology, 8000 S. Federal Way, Boise, ID
Please call 208-368-4000 for directions to the Micron facility.
Enter lobby of Building 17C for directions to room location.

Cost: \$80. Students \$40. (post-marked on or before May 15)
\$90. Students \$50. (after May 15 or on-site)

Course Description

Performing a conscientious sample-size analysis is a cornerstone of effective study planning, because the research team (including the statistician) must delineate, critique, and tighten the specific aims, research questions, design, measurements, and analysis plans. This highly-interactive one-day course uses case studies to cover the scientific/statistical principles and general consulting pragmatics associated with such work. Issues of statistical science are stressed far more than mathematical and computational underpinnings. Although all analyses covered are traditional (frequentist), we show how a simple Bayesian notion ("The March of Science") helps to clarify and shape the planning process for investigators, statisticians, and reviewers. All computations are performed with mainstream software, including SAS9, PASS, nQuery Advisor, R, and Excel. Much of this course is based on O'Brien RG, Casteloe JM (2007), "Sample-Size Analysis for Traditional Hypothesis Testing: Concepts and Issues," in Dmitrienko A, Chuang-Stein C, D'Agostino R (Ed.), *Pharmaceutical Statistics Using SAS: A Practical Guide*, Cary, NC: SAS Press, 237-271. A comprehensive course book will be provided to all participants.

Instructor

Dr. Ralph O'Brien is a Professor at Case Western Reserve University, where he directs the Statistical Sciences Core in the Center for Clinical Investigation. His career in statistics is broad, beginning in behavioral statistics (Psychology Dept., University of Virginia, 1975-82), then moving more to the mainstream (Statistics Dept., University of Tennessee, 1982-89), and then to biomedicine (Division of Biostatistics, Department of Statistics, University of Florida, 1989-94; Cleveland Clinic, 1994-2007). He is the creator of "O'Brien's (robust) test" for variance differences, performed by both SAS® (PROC GLM) and JMP®. However, his main contributions have been in promoting more effective sample-size analyses for study planning. His freeware module, UnifyPow.sas, is used all over the world, and he has collaborated intensively with SAS personnel in developing PROCs POWER and GLMPOWER. Ralph has given over 25 workshops on sample-size analysis to over 2300 people, and his continuing education courses at annual Joint Statistical Meetings earned him an "Excellence-in-CE" award from the American Statistical Association in 2002. In 2007, the ASA's Section on Teaching Statistics in the Health Sciences honored him with a Distinguished Achievement Award. He served on the ASA's Board of Directors from 2004-07 and in 2005 was inducted as an ASA Fellow.

To Register: Please mail the following information by May 15, 2008:

Name: _____
Affiliation: _____
Mailing Address: _____
E-mail: _____ Daytime phone number: _____
If a student, please identify university and have your advisor sign: _____

Please make checks payable to Snake River Chapter ASA. Mail registration information to:

Cindy Gentillon
Human Factors and I&C Department
Idaho National Laboratory
P. O. Box 1625, MS 3605
Idaho Falls, ID 83415-3605

Late and On-site Registration Requirement: Late and on-site registration requires that you email DaRon Huffaker at jdhuffaker@micron.com to request that your name can be added to the attendance list for host Micron Technology Inc (required to enter the Micron campus).

Annual Chapter Business Meeting: The chapter's annual business meeting will be held the night before the course at restaurant Leku Ona, 117 S. 6th Street, Boise, (208) 345-6665. Dinner at 7:00 PM. If you prefer to attend only the business meeting, the meeting will start at 8:00 PM. All those interested are welcome to attend.

Hotel Information: Please contact hotels directly to place your reservation.

Grove Hotel (located downtown Boise at the Convention Center)

www.grovehotelboise.com

245 S Capitol Blvd

(208) 333-8000

Rates: approx \$98 per room

Amenities: Free access to Gold's Gym (pool, sauna, etc.)

To receive this rate, mention that you are attending a Micron-sponsored event and would like their corporate rate.

Best Western Northwest Lodge (the closest hotel to Micron)

<http://book.bestwestern.com/bestwestern/productInfo.do?propertyCode=13055>

6989 Federal Way

(208) 287-2300

Rates: \$89 for 2 queen, \$95 for 1 king

Amenities: Heated Indoor Pool & Continental Breakfast

For more information, please contact

Richard Remington
remington@quantified.us
(208) 426-0113

DaRon Huffaker
jdhuffaker@micron.com
(208) 368-4421

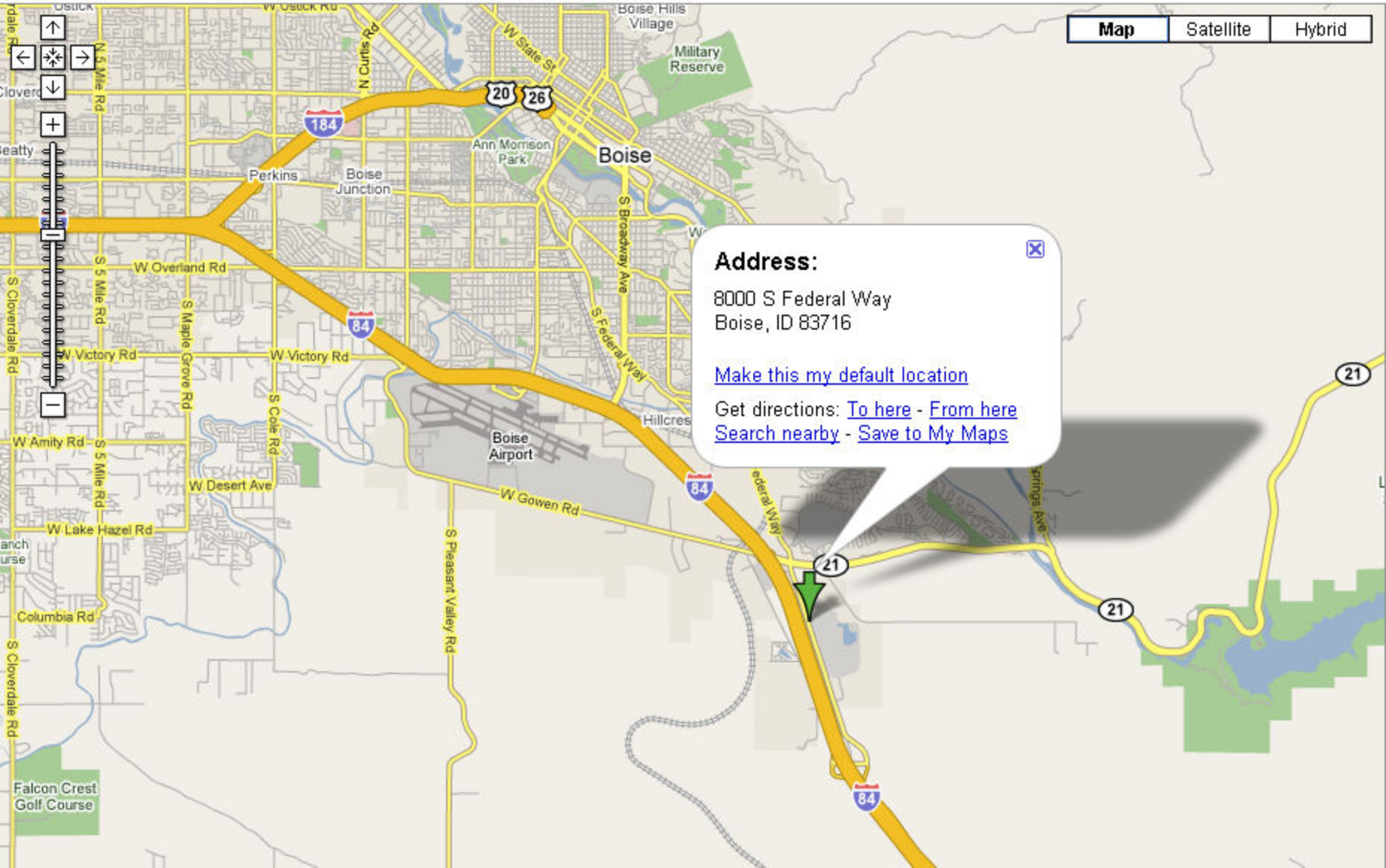
Cynthia Gentillon
Cynthia.Gentillon@inl.gov
(208) 526-9891

This workshop has been arranged by the Snake River Chapter of the American Statistical Association and sponsored by Micron Technology, Inc.

Map

Satellite

Hybrid



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8000 S Federal Way
Boise, ID 83716

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- 1. FAB 1A
- 4. CUP 1
- 5. TA 2 / QA / PROBE
- 7. CLEAN ROOM WELDSHOP / GAS TECHS
- 10A. MATERIALS CENTER
- 10B. CHEMICALS STORAGE BUILDING
- 13A. MAIN ENTRANCE GUARDHOUSE
- 13B. EAST ENTRANCE GUARDHOUSE
- 13C. SOUTH ENTRANCE GUARDHOUSE
- 14. MICRON SUBSTATION
- 15. FAB 1B
- 16. ASSEMBLY / FAB 1B
- 17. ADMINISTRATION
- 17C. ADMINISTRATION EXPANSION
- 21. TEST
- 22. WATER SERVICES
- 24. FAB 1C
- 25. CUP 2 FACILITIES
- 26. TEST / ASSEMBLY / SPECTEK
- 27. HEALTH SERVICES / FITNESS CENTER
- ★ 27T DRUG TESTING TRAILER
- 32. SYSTEMS INTERGRATION
- 35. FACILITIES SUPPORT BUILDING
- 36. FAB 4 & R&D
- 80. MASK BUILDING
- ⓧ 17C TEAM MEMBER ORIENTATION ENTRANCE
- TEAM MEMBER PARKING

