

# T. Charles Casper

University of Wisconsin – Madison  
Department of Statistics  
1300 University Ave., RM 1250  
Madison, WI 53706-1532  
(608) 658-5674  
casper@stat.wisc.edu

## EDUCATION

- ◇ **University of Wisconsin – Madison**, Ph.D., Statistics (expected, August 2008)  
Advisor: Richard Chappell  
*Survival Estimation for a Composite Outcome  
When Ascertainment of Events is Delayed*
- ◇ **University of Utah**, M.Stat., Mathematical Statistics (2003)  
Advisor: Davar Khoshnevisan  
*Bounds on the Expectation of the Length of the Longest  
Increasing Subsequence of a Random Permutation*
- ◇ **University of Utah**, B.S., Mathematics (2001)

## PROFESSIONAL EXPERIENCE

- ◇ **NIH Trainee**, Dept. of Biostatistics and Medical Informatics, UW–Madison (June 2006 – May 2008)
- ◇ **Research Assistant**, Dept. of Statistics, UW–Madison (May 2005 – May 2006)  
Worked as assistant editor and co-author of a graduate textbook on statistical methods for clinical trials.
- ◇ **Project Assistant**, for QuadTech, Sussex, WI (August 2004 – May 2005)  
Worked on problems in optical physics related to the relationship between the perception of color on paper and several characteristics of the ink present.
- ◇ **Teaching Assistant**, Dept. of Mathematics, UW–Madison (August 2003 – May 2004)
- ◇ **Teaching Assistant**, Dept. of Mathematics, U. of Utah (May 2001 – August 2003)

**RESEARCH INTERESTS:** Clinical trials methodology, survival analysis, recurrent events, group sequential methods, semi- and nonparametric methods

## PUBLICATIONS

- ◇ **Casper TC**, Chappell R (2007). Randomization, in *Introduction to Statistical Methods for Clinical Trials*. Cook TD, DeMets DL (Eds.) Chapman & Hall/CRC.
- ◇ Cook TD, **Casper TC** (2007). Defining the Question, in *Introduction to Statistical Methods for Clinical Trials*. Cook TD, DeMets DL (Eds.) Chapman & Hall/CRC.

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- ◇ DeMets DL, Chappell R, **Casper TC** (2007). Study Design, in *Introduction to Statistical Methods for Clinical Trials*. Cook TD, DeMets DL (Eds.) Chapman & Hall/CRC.
- ◇ DeMets DL, **Casper TC** (2007). Closeout and Reporting, in *Introduction to Statistical Methods for Clinical Trials*. Cook TD, DeMets DL (Eds.) Chapman & Hall/CRC.
- ◇ Jin M, **Casper TC**, Cataland SR, Kennedy MS, Lin S, Li YJ, Wu HM (2008). Relationship between ADAMTS13 activity in clinical remission and the risk of TTP relapse. *British Journal of Haematology*. 141:651–658.

## SKILLS

- ◇ R/Splus, SAS, Unix, L<sup>A</sup>T<sub>E</sub>X, HTML, Maple, C, Fortran, Matlab.
- ◇ Fluent spoken/written Portuguese and Spanish. Fair Italian.

## PRESENTATIONS

- ◇ “Analysis of Recurrent Events and Death.” University of Wisconsin – Madison, Dept. of Biostatistics and Medical Informatics, Department Seminar (May 2007)
- ◇ “Survival Estimation When Data Collection Is Delayed.” University of Wisconsin – Madison, Dept. of Biostatistics and Medical Informatics, Department Seminar (Dec 2006)
- ◇ “Bounds on the expectation of the length of the longest increasing subsequence of a random permutation.” University of Utah, Dept. of Mathematics, Probability Seminar (April 2003)

## SOFTWARE

- ◇ **ldbounds**  
An R package for calculations related to group sequential boundaries, including the Lan–DeMets alpha spending function approach.

## TEACHING

### Primary Instructor (Lecture Sections)

Intermediate Algebra (2)	spring '04	UW–Madison, MATH 101
Applied Statistics I	summer '02	University of Utah, MATH 3070
Calculus II	summer '03	University of Utah, MATH 1220
Quantitative Analysis (2)	spring, summer '03	University of Utah, MATH 1100
Intro to Statistical Inference	summer '03	University of Utah, MATH 1070
Trigonometry	spring '02	University of Utah, MATH 1060
Quantitative Reasoning	fall '02	University of Utah, MATH 1030

### Assistant (Discussion Sections)

Calculus II (2)	fall '03	UW–Madison, MATH 222
Applied Statistics I (5)	summer, fall '01	University of Utah, MATH 3070

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**AWARDS**

- ◇ **NHLBI Traineeship**, Dept. of Biostatistics and Medical Informatics, University of Wisconsin – Madison (June 2006 – present)

**MEMBERSHIPS**

- ◇ **American Statistical Association (ASA)**
- ◇ **International Biometric Society (IBS)**