Evarist Giné: some comments

Jon A. Wellner

University of Washington, Seattle

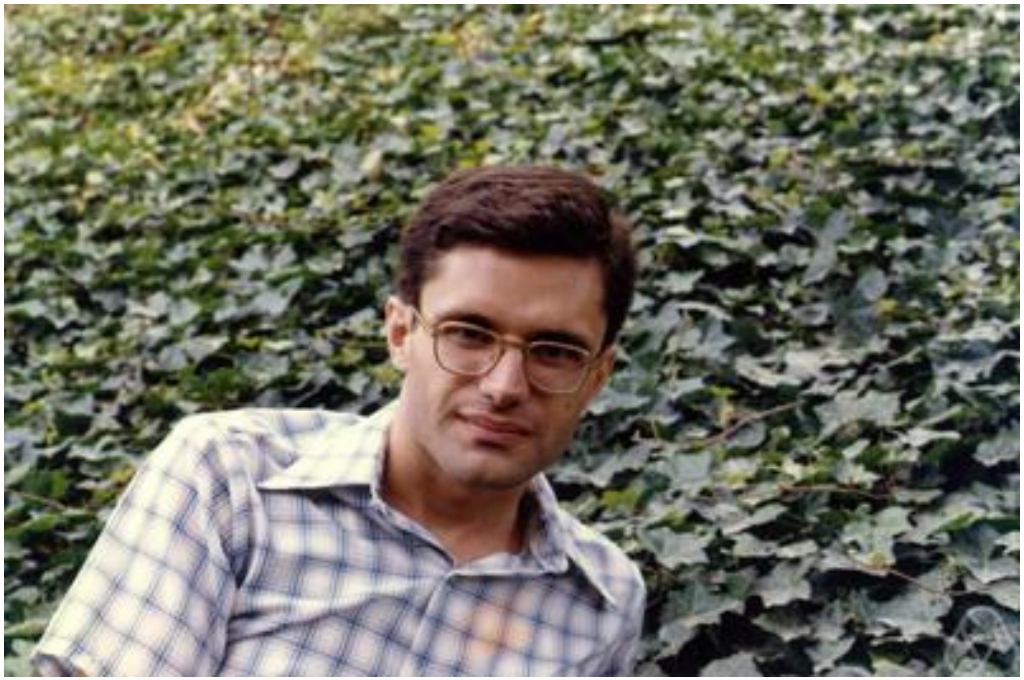
Probability theory and statistics,
in high and infinite dimensions,

A Conference in Honor of Evarist Giné,
Cambridge University

June 23-25, 2014

Some photos of Evarist:

Oberwolfach 1974



Sandjberg 2002

Sandjberg 2002

Sandjberg 2002

Oberwolfach 2004, St. Roman

Luminy 2008

Luminy 2008

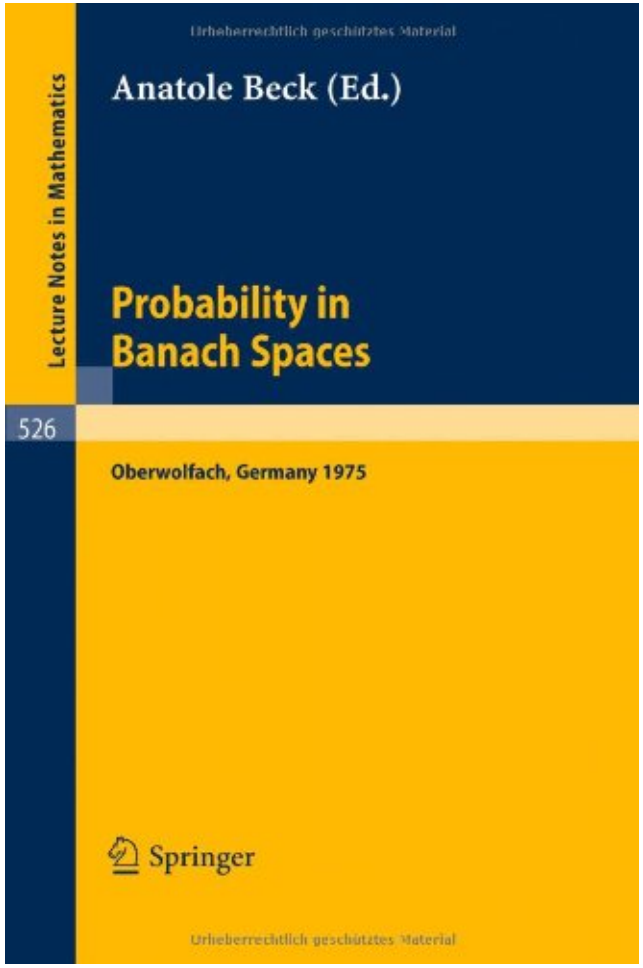
Barcelona, 2009?

Some facts:

- Books: 2 published, 1 in progress:
  - ▷ *The central limit theorem for real and Banach valued random variables*, 1980, with A. Araujo.
  - ▷ *Decoupling: from dependence to independence*, 1999, with V. De la Pena.
  - ▷ *Mathematical Foundations for High-Dimensional Statistics*, 2015?, with Richard Nickl.
- Papers: 110 +
- Co-authors: 36 (25 papers with Joel Zinn)
- Ph.D. students: 7 (9 descendents)
- Participant in "Probability in Banach Spaces" and "High-Dimensional Probability" meetings and edited volumes since 1975.

- Research topics and themes:
  - ▷ probability in Banach spaces
  - ▷ directional data
    (testing uniformity on compact Riemanian manifolds)
  - ▷ empirical processes and u-processes
  - ▷ bootstrapping empirical processes
  - ▷ inequalities and decoupling methods
  - ▷ asymptotic theory for t-statistics
  - ▷ density estimation
  - ▷ nonparametric inference for functions
  - ▷ ...

- Lecture notes:
  - ▷ Zaragosa, 1986 (with Joel Zinn):
    Lecture Notes on the Central Limit Theorem for Empirical Processes
  - ▷ St. Flour, 1996:
    Lectures on Some Aspects of the Bootstrap.
  - ▷ Universidad de Cantabria, Laredo, 2004;
    University of Vienna, 2007:
    Empirical Processes and some of their applications.


Urheberrechtlich geschütztes Material
Lecture Notes in Mathematics
Anatole Beck (Ed.)
Probability in Banach Spaces
526
Oberwolfach, Germany 1975
Springer
Urheberrechtlich geschütztes Material

Urheberrechtlich geschütztes Material

Contents

Charles R. Baker: Absolute continuity and applications to information theory..... 1

Anatole Beck: Cancellation in Banach spaces..... 13

Antoine Brunel and Louis Sucheston: On sequences invariant under spreading in Banach spaces..... 21

S. D. Chatterji: Vector-valued martingales and their applications..... 33

Mark J. Christensen and A. T. Bharucha-Reid: Algebraic models for Gaussian measures on Banach spaces..... 53

X. Fernique: Evaluations de processus Gaussiens composes..... 64

D. J. H. Garling: Functional central limit theorems in Banach spaces..... 85

Daniel P. Giesy: Strong laws of large numbers for independent sequences of Banach space-valued random variables..... 89

Evarist M. Giné: Some remarks on the central limit theorem in C(S)..... 101

Marjorie G. Hahn: What second-order Lipschitz conditions imply the CLT?.... 107

Naresh C. Jain: Central limit theorem in a Banach space..... 113

J. Kuelbs: The law of the iterated logarithm for Banach space valued random variables..... 131

Hui-Hsiung Kuo: Distribution theory on Banach space..... 143

S. Kwapień: A theorem on the Rademacher series with vector valued coefficients..... 157

V. Mandrekar: Central limit problem on L_p ($p \geq 2$) I. Lèvy-Khinchine representation..... 159

- Giné, Evarist; Zinn, Joel. (1984) Some limit theorems for empirical processes. With discussion. *Ann. Probab.* **12**, 929998. (Reviewer: R. M. Dudley)

- Giné, Evarist; Zinn, Joel (1986). Lectures on the central limit theorem for empirical processes. *Probability and Banach spaces (Zaragoza, 1985)*, 50 - 113, Lecture Notes in Math., **1221**, Springer, Berlin, 1986. (Reviewer: M. Csörgö).

- Andersen, Niels T.; Giné, Evarist; Ossiander, Mina; Zinn, Joel (1988). The central limit theorem and the law of iterated logarithm for empirical processes under local conditions. *Probab. Theory Related Fields* **77**, 271 - 305. (Reviewer: R. M. Dudley)

- Giné, Evarist; Zinn, Joel (1990). Bootstrapping general empirical measures. *Ann. Probab.* **18**, 851 - 869. (Reviewer: Gutti J. Babu).

- Dudley, R. M.; Gin e, E.; Zinn, J. (1991). Uniform and universal Glivenko-Cantelli classes. *J. Theoret. Probab.* **4**, 485 - 510. (Reviewer: Igor S. Borisov).

- Giné, Evarist; Zinn, Joel (1991). Gaussian characterization of uniform Donsker classes of functions. *Ann. Probab.* **19**, 758 - 782. (Reviewer: Igor S. Borisov).

Barcelona, 2009

HAPPY BIRTHDAY EVARIST !