

Re: Gian-Carlo Rota's "Twelve problems in probability no one likes to bring up."

## Re: Gian-Carlo Rota's "Twelve problems in probability no one likes to bring up."

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*Source:* <http://sci.tech-archive.net/Archive/sci.stat.math/2005-04/msg00344.html>

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- *From:* [clemenr@xxxxxxxxxxx](mailto:clemenr@xxxxxxxxxxx)
  - *Date:* 21 Apr 2005 12:33:49 -0700
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clearth...@xxxxxxxxxxx wrote:

- > On p57 is a reprint of his 1998 Fubini Lecture titled "Twelve
- > problems in probability no one likes to bring up." Among those
- > tweleve problems are:
- >
- > (4) Work on entropy and algebra
- > (5) Maximum entropy principle
- > (6) Conditional probability, Bayes' Law
- > (9) From ordinary probability to Quantum Probability
- > (10) Multivariate Normal Distribution and the Clifford Distribution
- >
- > And, perhaps, most controversial:
- >
- > (12) Free Probability Theory which aims to refute "the generally
- > accepted platitude that to observables in quantum probability do not
- > have a joint distribution."
- >
- > All of this work falls under the general category of "a revision of
- > the notion of a sample space" as his "ultimate aim."

I'm no expert statistician, so I may have missed something here. But, choosing "Bayes law" as an example, this is an extremely frequently "brought up" topic. Searching on all the other topics reveals lots of web links, conferences, etc. I know that this doesn't prove anything as there are still cold fusion conferences, web pages, etc. But, reading the start of your posting I expected to find a whole lot of rare and unexplored topics.

I'm not criticising your potential choice of topic. But, I think that the language "... no one likes to bring up ..." may be a bit of an exaggeration.

Cheers,

Ross-c

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- *Follow-Ups:*

- ◆ *Re: Gian-Carlo Rota's "Twelve problems in probability no one likes to bring up."*

- ◇ *From:* clearthink

- *References:*

- ◆ *Gian-Carlo Rota's "Twelve problems in probability no one likes to bring up."*

- ◇ *From:* clearthink

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