

## Re: "Happens with Paobability 1"

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- *From:* "S.W.Christensen" <[swc@xxxxxxxxxxxxxxxxxxxx](mailto:swc@xxxxxxxxxxxxxxxxxxxx)>
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On 22 Aug., 20:10, Randy Poe <[poespam-t...@xxxxxxxxxx](mailto:poespam-t...@xxxxxxxxxx)> wrote:

Technically, probability 1 guarantees "almost certainty" because there may be other allowed outcomes (with probability 0).

On a continuous distribution, every particular outcome has zero probability.

I disagree with this, but first a disclaimer: I'm not a pure mathematician, and I don't work on the foundations. My area is applied mathematics (including applied Bayesian probability theory).

It seems to me that it is meaningless to say that the probability of any particular event is zero, if the event is possible. Surely zero must simply be a limit for the distribution, and therefore unreachable.

This raises the question: Is this disagreement simply a consequence of the use of infinite sets, versus the non-use of infinite sets? If it is, then maybe my critique is misdirected, because you specifically mentioned a "continuous" distribution, which I reject because I consider continuity ungraspable.

Best regards,

Stefan W. Christensen

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