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Subject: Re: 2D K-S test

Posted by [ianpaul.freeley](#) on Sat, 27 Oct 2007 15:11:03 GMT

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Thanks Wayne. I went and coded it up and wondered about that issue but didn't do anything about it. I'll go back and add some if statements.

-IP

On Oct 26, 12:46 pm, wlandsman <wlands...@gmail.com> wrote:

> On Oct 26, 9:29 am, Loren Anderson <ander...@bu.edu> wrote:

>

>> Hi, I just spent a while working with the K-S test, but I'm confused

>> as to what you are trying to do. The K-S test seems to me to be one-

>> dimensional by nature. Can you clarify a bit?

>

> This is discussed in the section of Numerical Recipes titled "Do Two-Dimensional Distributions Differ" (Section 14.7 in my edition.)

> The idea is to determine if a 2-d distribution of points is consistent

> with another 2-d distribution (or a model). You are right that one

> cannot directly generalize the 1-d K-S test because a cumulative

> probability distribution is only defined in 1d, so one needs to define

> a surrogate.

>

> Back to the OP's question. I am not aware of any IDL

> implementations of the code. (I started but never finished working

> on it.) If you do code it yourself and have an old edition of NR,

> check out the bug fix reported at <http://www.nr.com/forum/showthread.php?t=576>

>

> --Wayne

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