
From: Barnaby Marsh <[REDACTED]>
Sent: Saturday, September 30, 2017 11:26 PM
To: jeffrey E.
Subject: Re:

nonsense! possible combinations say nothing about probability

On Sat, Sep 30, 2017 at 6:23 PM, jeffrey E. <jeevacation@gmail.com> wrote:

◆=A0 Combinations in the Sample Space <<http://mathforum.org/dr.math/faq/faq=.prob.intro.html#note>>

In a two-child family, there are four and only four possible combinations of children. We will label boys B and girls G; in each case the first letter represents the oldest child:

{BB, BG, GB, GG}

When we know that one child is a boy, there cannot be two girls, so the sample space shrinks to:

{BB, BG, GB}

Two of the possibilities in this new sample space include girls:

{BG, GB}

and since there are two combinations out of three that include girls, the probability that the second child is a girl is 2/3.

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