
From: Jeffrey Epstein <jeevacation@gmail.com>
Sent: Tuesday, November 26, 2013 10:40 AM
To: Alan Rogers; Gordon Getty
Subject: Re:

my funded attack on indiv fitness

On Mon, Nov 25, 2013 at 6:48=PM, Alan Rogers <[REDACTED] <mailto:[REDACTED]=target=>> wrote:

My paper was about the=evolution of menopause. George Williams had argued years before that as wo=en age, the risk of childbirth mortality increases. Eventually, that risk =utweighs the potential fitness gain from another child. My paper showed th=t this doesn't work--the risk of childbirth mortality is too low. I sa= more promise in a hypothesis having to do with opportunity cost. To do th=se calculations, I needed an age-structured theory of kin selection with a=time delay between the investment (forgone pregnancy) and the return on th=t investment (ability to care for one's previous children). So the mod=l had economic pretensions, and I eventually used it to study the evolutio= of time preference. It was the time preference work that brought me into =contact with Gordon G.

Alan

On Mon, Nov 25, 2013 at 2:20 PM, Jeffrey Epstein <=jeevacation@gma=l.com <mailto:jeevacation@gmail.com> wrote:

risk of death in childbirth=

On Mon, Nov 25, 2013 at 5:05 PM, Alan Rogers <[REDACTED] >=/span> wrote:

Charlesworth and Charn=v published an age-structured theory of kin selection in 1981 (JTB 88:103)=and Taylor and Frank did it a different way in 1996 (JTB 180:27). I added =ime delays to the Charlesworth-Charnov model in 1993 (Evolutionary Ecolog= 7:406). These models all grow out of the ideas that Hamilton introduced i= his "Moulding of senescence" paper in 1966. But Hamilton 1966 d=dn't do kin selection. He did however argue that reproductive value is=not the right way to formulate the problem. His model (and also those ment=ioned above) use the numerator of reproductive value, but the normalization=is different. To put this differently, the reproductive value at age x nee=s to be weighted by l_x, the probability of surviving to that age. This we=ghting is missing from the formulation directly in terms of reproductive v=alue.

Alan

--

*****=*****

The information contained in this communication is confidential, may be attorney-client privileged, may constitute inside information, and is intended only for the use of the addressee. It is the property of

Jeffrey Epstein

Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately by return e-mail or by e-mail to jeevacation@gmail.com, and destroy this communication and all copies thereof, including all attachments. copyright -all rights reserved

--

*****=*****

The information contained in this communication is confidential, may be attorney-client privileged, may constitute inside information, and is intended only for the use of the addressee. It is the property of Jeffrey Epstein. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately by return e-mail or by e-mail to jeevacation@gmail.com, and destroy this communication and all copies thereof, including all attachments. copyright -all rights reserved