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From: "Ramesh Johari" <rjohari@stanford.edu>
 To: "'Diane Shankle'" <shankle@ee.Stanford.EDU>
 Subject: RE: Quals Meeting Time Change Please see below!
 Date: Fri, 27 Jan 2006 16:31:55 -0800
 Thread-Index: AcyjoSTBdzWaCh9JQ+GZBZdis/ufxwAALfYQ
 Hi Diane,
 My quals question is below. Am I required to attend the quals meeting?
 Ramesh
 There are two questions, you may do them in any order.
 Q1. You are given three random variables, X_1, X_2, X_3.
 X 1 is independent of X 2.
 X_2 is independent of X_3.
 X_3 is independent of X_1.
 Is it true that (X 1, X 2, X 3) are jointly independent? Either prove or
 provide a counterexample.
 Q2. Can you find three random variables X_1, X_2, X_3 such that:
 P(X_1 > X_2) > 1/2
 P(X_2 > X_3) > 1/2
 P(X_3 > X_1 > 1/2 ?
 If so, provide them.
 If not, prove you cannot.
 Does your answer to the question depend on whether or not (X_1, X 2, X 3)
 are assumed to be jointly independent?
> ----Original Message----
> From: Diane Shankle [mailto:shankle@ee.Stanford.EDU]
 > Sent: Friday, January 27, 2006 4:23 PM
 > To: quals-examiners@ee.Stanford.EDU; EE-adminlist@ee.Stanford.EDU
 > Subject: Quals Meeting Time Change Please see below!
 > Quals Meeting
 > Tuesday, January 31st.
 > 4:30 P.M.
 > CIX-X AUD
 > Coffee, Tea and Cookies will be served before the meeting.
 > Please send me a copy of your Quals Question either by email
 > or a hard copy to the address listed below!
 > Happy Friday,
 > Diane
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