

Talk

[Laxman Hegde](#)

Sent: Tuesday, April 24, 2012 2:45 PM

To: [Faculty Email List](#)

Dear FSU faculty,

Biology department is arranging this talk.

Special Note: Even though the examples taken for this talk are from the field of ecology, the ideas are applicable to other fields such as Psychology, Economics, Finance and Marketing.

Title: Interpreting Canonical Correspondence Analysis (CCA)

By Laxman Hegde, Dept of Mathematics, FSU

When: April 27, 2012, Friday

Time: 4pm

Where: CSC 224

Abstract:

A typical CCA problem involves analyzing two matrices Y (n by m) and Z (n by q). The matrix Y contains species counts about m species in n different sites and the matrix Z contains environmental values about q environmental variables in n sites where species are observed. The species frequencies in Y are also converted into two relative frequency distributions matrices $F1$ (m by n) and $F2$ (n by m).

In this talk, we will show how to analyze the two matrices Y and Z and interpret some important results that may be of interest to researchers.

Laxman Hegde

RE: CCA Seminar

[R. Fritz](#)

You replied on 4/23/2012 7:03 PM.

Sent: Monday, April 23, 2012 5:53 PM

To: [Laxman Hegde](#)

Laxman,

Some additional faculty and students have expressed an interest in your seminar. I have reserved CSC 224 from 4:00-5:00 PM on Friday, April 27, for your seminar. Let me know if this is okay and I will generate an announcement. Please provide me with the title of your seminar. Thank you.

Scott

From: Laxman Hegde

Sent: Tuesday, April 17, 2012 1:34 PM

To: R. Fritz

Subject: RE: CCA Seminar

Scott,

Either (or both) of these dates is fine. I will do one session on April 27th any time (preferably 4pm). Again, I will do another one on may 4th if there is some interest.

Please let me know. I am willing to meet your students this week or next week in person and discuss what I will be doing. Please let me know.

thanks for your time

Laxman

From: R. Fritz

Sent: Tuesday, April 17, 2012 12:43 PM

To: Laxman Hegde

Subject: CCA Seminar

Laxman,

Some time ago you asked me if there was any interest in a CCA seminar in the Biology Department. I forwarded your email to the department and received no replies. Earlier this month I spoke to Sam Dupre and he mentioned that he had been talking with you and he gave me two tentative dates, April 27 and May 4. I once again polled the department and received 6 replies (5 from graduate students) with date/time preferences and there isn't a date/time when the majority could attend. How do you want to proceed? Let me know.

Take care.

Scott

R. Scott Fritz, Ph.D.

Graduate Program Coordinator

Department of Biology

Frostburg State University

101 Braddock Road

Frostburg, MD 21532

Phone: 301-687-4306

Fax: 301-687-3034



Connected to Microsoft Exchange

Re: CCA

Robert Hilderbrand [hilderbrand@al.umces.edu]

You replied on 4/20/2012 3:11 PM.

Sent: Friday, April 20, 2012 2:51 PM

To: [Laxman Hegde](#)

Hi Laxman,

I think it will be difficult to get many people from our lab to attend - we've nearly all switched to using R instead of SAS. I don't know of anyone here who still has an operational SAS license. bob

Dear Prof,

You perhaps you know me. I teach in math department. I like to conduct a one hour or two hour workshop on CCA using SAS for graduate students in biology and ecology. I intend to do this in the first week of May or end of this month. I need your help in organizing this event.

Please see if you can arrange 4 to 6 participants for this meeting.

Please let me know if you like to more details. I already contacted biology grad advisor. I understand there are a few interests.

with regards,
Laxman Hegde