Monday, March 24, 2014

MDS 223
(Old Pharmacy Building)

12:00 - 12:45

**Introduction to Structural Equation Modeling (SEM)**
Dominique Zephyr, MA
SEM is a powerful data analytic tool that has become the leading multivariate technique used by social scientists and is becoming increasingly used by researchers in other disciplines. The popularity of SEM is due to the ability to estimate and assess models that describe relationships among both measured and latent variables and assess the overall fit of a model. This workshop will provide an overview of principles underlying SEM, and introduce three models fundamental to SEM: path models, confirmatory factor models, and latent variable path models. The assessment of model fit will also be introduced.

12:45 - 1:00

**Open consultation time with BERD members**
The BERD will be available for short consultations or questions on study design, data analysis, statistical software questions, proposal development and/or writing, or any other statistical questions. Full consultations may be scheduled in follow-up to questions asked during this time.

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**What’s a BERD?**

**Biostatistics, Epidemiology, and Research Design**

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<th>We provide</th>
<th>For</th>
<th>By</th>
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<tbody>
<tr>
<td>♦ Consultations on study design for clinical trials, community-based participatory research, and population-based (epidemiologic) studies</td>
<td>♦ Pilot studies</td>
<td>Richard Kryscio, PhD (Director)</td>
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<td>♦ Quantitative data analysis</td>
<td>♦ Publications</td>
<td>Richard Charnigo, PhD</td>
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<td>♦ Protocol review</td>
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Pizza & Pilots (Proposals) is a regular series offered by the BERD and sponsored by the CCTS on the last Monday of each month.

Please RSVP to Johanna Wray (johanna.startzman@uky.edu) by March 21.