



SEM BOOT CAMP - 2014

OFFERED BY JAMES GASKIN

When:

May 8th – May 10th, 2014. 9:00am – 5:00pm (lunch from noon to 2pm).

Where:

Tanner Building, room W242, Marriott School of Management, Brigham Young University, Provo, Utah, USA

Schedule:

Thursday

- Statistical preliminaries
 - Statistical assumptions
 - Data screening
 - ANOVA, t-tests
- Exploratory Factor Analysis
 - Adequacy, validity, reliability
 - Latent variable scores

Friday

- Confirmatory Factor Analysis
 - Validity, reliability
 - Common method bias
 - Measurement invariance
 - Model fit

Saturday

- Hybrid and Path Models
 - Multi-group moderation
 - Interaction (moderation)
 - Mediation
 - Control variables
 - Model fit

OPTIONAL TOPICS (if there is time)

- Cluster analysis
- Logistic regression
- Multiple Discriminant Analysis
- Partial Least Squares



Who should come:

Those who would like a firmer foundation in the concepts and mechanics of testing theories in social sciences using structural equation modeling. The seminar will focus primarily on mechanics – learning the statistical procedures and tools – rather than on the concepts, although we will discuss the concepts briefly. We will use AMOS and SPSS as our tools of choice. Accordingly, those who are already familiar with SEM but not with AMOS and SPSS may benefit from this boot camp as well.

Who should not come:

Those who are already fairly savvy with SEM in AMOS and SPSS. Also those without any sense of humor.

Costs:

- ❖ Free for BYU students
- ❖ \$150 for BYU-Provo employees
- ❖ \$150 for non-BYU-Provo students
- ❖ \$300 for all other non-BYU-Provo attendees

Preparations:

Please have AMOS and SPSS already installed and working on your laptop. AMOS only works on windows. It will not work in any non-windows operating system, but it will work on a windows installation on a Mac.

Participants are encouraged to bring their own data so that they may use their data to conduct analyses rather than using the data provided.

Contacts:

- ❖ James Gaskin: james.gaskin@byu.edu for content questions.
- ❖ Ann Sumsion: ann.sumsion@byu.edu for logistic questions.

Registration:

Registration is open until May 7th. Please visit the site below to register:
<http://marriottschool.byu.edu/event/sembootcamp2014>

Other details:

The price is so low because we will not be providing food, lodging, or transportation.

BYU is owned by The Church of Jesus Christ of Latter-day Saints. Accordingly, no smoking, or drinking of alcohol, or coffee or tea are permitted on campus. (Mountain Dew, Coke, or any other caffeinated beverages are fine.) Many local businesses do offer alcohol, coffee and tea. Please walk off campus to smoke. We apologize for the inconvenience. Lastly, while on campus, we strongly encourage and appreciate participants to keep their language free of obscenities and vulgarity.