



---

## SEM BOOT CAMP

---

OFFERED BY JAMES GASKIN

**When:**

July 15<sup>th</sup> – 19<sup>th</sup> 2013.

**Where:**

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

**Schedule:**

- Monday: Intro to basic statistics, statistical assumptions, data screening, ANOVA
- Tuesday: Exploratory factor analysis, Cluster analysis if there is time
- Wednesday: Confirmatory factor analysis, including common method bias and invariance tests if there is time
- Thursday: Hybrid models and path modeling, moderation, controls
- Friday: Interaction, Mediation

(With sufficient interest, we may also conduct one or two lunch meetings about using SmartPLS.)

**How:**

James Gaskin will be the primary facilitator (see [Gaskination](#) and [StatWiki](#) to learn more about James's experience with SEM). He will "lecture" and demonstrate from 9am-noon and then students will work on exercises with assistance from James between 2pm and 5pm.

**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](mailto:james.gaskin@byu.edu) for content questions.
- ❖ Ann Sumsion: [ann.sumsion@byu.edu](mailto:ann.sumsion@byu.edu) for logistic questions.

**Registration:**

Registration is open until July 1<sup>st</sup>. Please visit the site below to register:

<http://marriottschool.byu.edu/event/sembootcamp2013>

**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.

**Additional Information:**

The video linked below is an invitation and explanation of the conference by James Gaskin:

<http://www.youtube.com/watch?v=QTD8CSHcwmA>