

**ASA Snake River Chapter Annual Meeting
May 29, 2015 Boise, ID**

Topic: "Big Data"

Schedule (MDT):

08:00 -- 08:30 am	Registration
08:30 -- 09:00 am	Introductions, Orient to the day
09:00 -- 10:00 am	<u>General overview of big data</u> Background on myself and CSI (5 min) What is big data? The 5 Vs (10 min) Where and How? (10 min) Potential of big data (10 min) Challenges of big data (10 min) Examples/Q & A (15 min)
10:00 -- 10:55 am	<u>How is this different than what we have done traditionally? Paradigm shift.</u> Change in paradigm from trickle to firehose (10 min) Change in paradigm from experiment to observation (10 min) Change in paradigm from low to high dimensions (10 min) Change in paradigm from modeling to prediction (15 min) Why statisticians are important (10 min)
10:55 -- 11:15 am	Q & A
11:15 -- 11:30	Break
11:30 -- 12:30 pm	<u>Statistical Machine Learning</u> Ensembles (30 min) Trees (30 min)
12:30 -- 02:00 pm	Lunch (off-site)
02:00 -- 02:55 pm	<u>Genomics: data analysis and visualization (RNA-seq)</u> What is RNA-seq? Statistical and computational issues Bootstrap https://www.youtube.com/watch?v=C8RNvWu7pAw http://strimmerlab.org/courses/ss12/current-topics/
03:00 -- 03:55 pm	<u>Social media: data analysis and visualization</u>

04:00 – 04:30 pm

04:30 – 05:00 pm

5:00 pm

Statistical network analysis

<http://bactra.org/notebooks/network-data-analysis.html>

<http://www.smrfoundation.org/>

Q & A

Business meeting

Adjourn