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 General overview of big data
  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 How is this different than what we have done traditionally? Paradigm shift.
  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 Statistical Machine Learning
  Ensembles (30 min)
  Trees (30 min)

12:30 -- 02:00 pm Lunch (off-site)

02:00 -- 02:55 pm Genomics: data analysis and visualization (RNA-seq)
  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 Social media: data analysis and visualization
Statistical network analysis
http://www.smrfoundation.org/

04:00 – 04:30 pm
Q & A

04:30 – 05:00 pm
Business meeting

5:00 pm
Adjourn