Confirmation of Abstract

Abstract Number 329915 has been submitted.

Abstract Information

Abstract Type:	**Contributed**
Sub Type:	**Speed**
Sponsor:	**Section on Statistical Computing**
Title:	**BENCHMARKING THE EFFECTIVENESS OF CATEGORICAL RESPONSE VARIABLE MODELS AND THEIR VISUALIZATIONS ON WEATHER DATA**

Abstract:

This is a digital poster supporting our analysis of the 2018 Data Expo Challenge. At this stage, much of the work remains to be completed. Our research team consists of three undergraduate statistics students at Simon Fraser University.

We will compare the precision and accuracy of several supervised learning models in general and in the case of rare events . We will also compare the effectiveness of common visualizations used for each model, and other trade offs.

Key words: **Supervised Learning, Rare Events, Data Challenge, Visualization, Neural Network, Machine Learning**

Audio-visual: Audio-Visual Guidelines: Each technical session room will be equipped with a complimentary PC-compatible laptop, LCD projector, screen, and lectern with microphone. Additional equipment must be ordered and paid for by the presenter. All rooms will be connected to the JSM speaker management system with access to upload in advance and onsite. For the poster part of Speed sessions, each presenter will be provided with a 42" display screen and a laptop.

Authors

Name

Bystrom, Kristen - (Presenting)

Ou Yang, Zhi Yuh - Simon Fraser University

Chen, Lei - Simon Fraser University

To provide the best cohesive program possible, all session participants need to commit to their involvement by registering for JSM. The registration fee is nonrefundable.