



**THE ASTRONOMY
RESEARCH CENTRE**

ARCNet SEMINAR

Dr. Karun Thanjavur,

University of Victoria

**“Come, let’s play in a Machine Learning
sandbox”**

Abstract

As a follow-up to our overview seminar on Machine Learning, in this mini-workshop we aim to provide an opportunity to implement and understand all the steps involved in one of the machine learning methods. We will walk through formulating a question, understanding the data, picking an appropriate ML method, then implementing and assessing the results. The science question and data will be from one of the astronomy publications cited in our seminar, but the ML method will be general enough to be applied to similar problems in other research areas. You will be provided most of the code, so you can modify and play around with the material during