

Hillsboro Python Machine Learning Meetup

“Advanced XGBoost Algorithm for Data Classification and Regression”

- Tuesday, May 29, 2018

6:00 PM to 9:00 PM

- DAT Solutions

8405 SW Nimbus Avenue, Beaverton, OR ([edit map](#))

- Meeting Agenda:

6:00 – 6:40 pm: Pizza, water and networking.

6:40 – 6:45 pm: Welcome message by Ernest Bonat, Ph.D.

6:45 – 8:15 pm: Presentation and open discussions. “Advanced XGBoost Algorithm for Data Classification and Regression” by Ernest Bonat, Ph.D., Senior Data Scientist.

Brief: XGBoost stands for eXtreme Gradient Boosting. XGBoost is an algorithm that has recently been dominating applied machine learning and Kaggle competitions for structured or tabular data. XGBoost is an implementation of gradient boosted decision trees designed for speed and performance. It is an implementation of gradient boosting machines created by Tianqi Chen, now with contributions from many developers. It belongs to a broader collection of tools under the umbrella of the Distributed Machine Learning Community or DMLC who are also the creators of the popular mxnet deep learning library. The implementation of XGBoost offers several advanced features for model tuning, computing environments and algorithm enhancement. It is capable of performing the three main forms of gradient boosting (Gradient Boosting (GB), Stochastic GB and Regularized GB) and it is robust enough to support fine tuning and addition of regularization parameters. Ernest will provide best practices of XGBoost algorithm for data classification and regression using Python programming language.

8.15 pm – 9.00 pm: Coding and learning session. Bring your Python development laptop!