Portland State
UNIVERSITY

DATA MINING WITH INFORMATION THEORY (DMIT)

SySc 531, Winter 2022, Tues 4:40-6:30 pm

MODEL almost ANY DATA!

DO YOU HAVE DATA in which some input variables might predict an output variable and want to DISCOVER what the PREDICTIVE RELATIONS are?

Consider adding OCCAM to your tool kit by taking this *hands-on* workshop course. You will learn how to use OCCAM to *analyze your own data** and discover unknown and complex relationships. You will also learn enough about information theory to understand OCCAM's output and the basic concepts behind this tool.

OCCAM is a machine learning software package developed at PSU, which so far has been used with up to 500,000 records and about 500 variables. It has been applied to such diverse areas as gene-disease association, electronic medical records, urban water use, mortgage loan defaults, market segmentation, and logic design.

OCCAM has just been made open-source, and has been uploaded to GitHub at https://github.com/occam-ra/occam, so familiarity with this software can open up possibilities for the future.

For more information, contact: Professor Martin Zwick
(zwick@pdx.edu 503-725-4987) or visit the OCCAM website
http://www.pdx.edu/sysc/research-discrete-multivariate-modeling