The Practical Programmer: An Introduction to Data-Mining

Do you work with data? Are you not afraid to program, but don’t know where to start? Join us for a hands-on introduction to programming for data-mining applications. Learn how to break down problems like a programmer, use the R programming language to import, process, and create insights into your data, and what to do when you just have no idea what to do. This course will serve as a boot-camp style overview of how to get your wheels spinning as a new programmer in the data space. Topics covered will include

- What programming words you absolutely need to know

- Fundamentals of working with data

- How developers actually figure stuff out

- Introduction to R

- Installing packages

- Creating new variables

- Importing data

- Data preprocessing (ie getting rid of bad data)

- Logical Indexing (ie choosing parts of your data)

- Data visualization

- Creating new files

Time allowing, we will go into data-mining concepts like clustering, classification, regressions, and touch on machine learning. A Q&A at the end will allow for discussion of the topics you want to talk about.