



## 2017 CQADS Winter Workshop Series in Data Science

February 27, 2017 – March 1, 2017 | Carleton University | Ottawa

### **Introduction to Analytics** – Preparing, and Visualizing Data

An introduction to the notions that must be mastered prior to, and after, embarking on data analysis, along with a discussion of common challenges and pitfalls.

### **Mining for Information Gold** – Data Science Concepts

An introduction to the fundamental notions underlying data science, with a detailed discussion of three common analytical concepts: classification, clustering, and association rules.

### **Simple Data Science** – Exploring Data With R

A practical look at how to extract insight from data using the concepts of *Mining for Information Gold*. Programming expertise not necessary.

### **Getting Technical** – Data Science Methods

A continuation of *Mining for Information Gold*, with a detailed discussion of six commonly-used methods and concepts: support vector machines, artificial neural networks, naive Bayes classifiers, hierarchical clustering, density-based clustering, and spectral clustering.

### **Hands-on Data Discovery** – Data Analysis With R

A practical look at how to extract insight from data using the methods of *Getting Technical*. Programming expertise not necessary.

Visit [cqads.carleton.ca/workshops](http://cqads.carleton.ca/workshops) for more details.

The cost of attending the workshop series is **\$1800 + HST** per participant (includes free parking, coffee, snacks, lunch, a dinner on February 27th, and course materials).

A limited number of fellowships are available to the Carleton community.

Register online at [forms.carleton.ca/math/cqads-winter-workshops](http://forms.carleton.ca/math/cqads-winter-workshops) by February 22nd, 2017.

Image: "Spoon vs Fork", by [Domestic Data Streamers](#)