Training information

**Training**

Crash course intro R **Trainer**

Longhow Lam **Introduction**

This two session course (Two Friday mornings) will teach the following R skills, data preparation visualisation and machine learning.

**Learning goals**

Get an overview of the different possibilities in R and be able to train and validate a machine learning model in R. **Program**Session 01

* Data manipulation with tidyverse packages
* “cool” modern interactive data visualisation

Session 02

* Different Machine learning techniques
  + H2o, ranger, xgboost, mlr, arules

**Preparation**

Trainee should have a laptop with

* R and RStudio
* The following R packages
  + h2o, tidyverse, devtools, plotly, ggplot2, leaflet
  + ranger, xgboost, lubridate, visNetwork, ROCR, pROC
  + mlr, rattle, glmnet, anytime, sp, raster, maptools,
* Git