Training information

**Training, Trainer**

Crash course intro R. One day course. Longhow Lam

**Introduction**

This one day will teach the following R skills: data preparation, data 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
* Ggplot and “cool” modern interactive data visualisation

**Session 02**

* Different Machine learning techniques
* (g)lm, tree-based methods, h2o, arules, clustering

**Preparation**

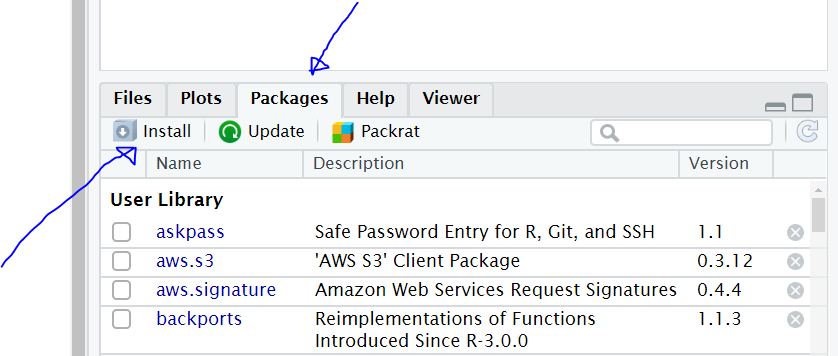
Trainee should have a laptop and install:

**R and RStudio desktop**

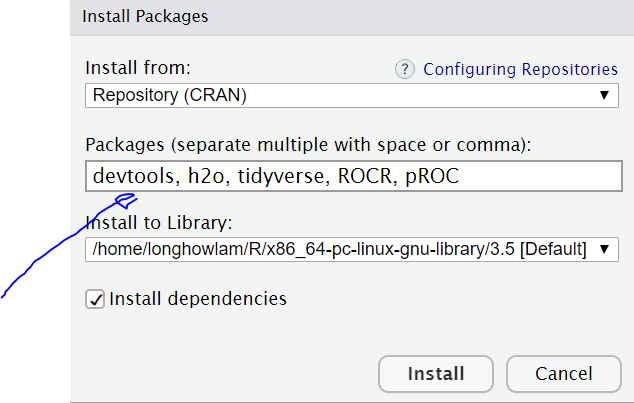
* <https://cloud.r-project.org/bin/windows/>
* <https://dailies.rstudio.com/> 🡪 Latest RStudio desktop build

**The following R packages**

Start RStudio and click on the Packages tab and install



Then in the ‘Install Packages’ dialog enter the names of the packages you want to install: copy paste the following packages list



devtools, h2o, tidyverse, plotly, ggplot2, leaflet, ranger, xgboost, lubridate, anytime, visNetwork, ROCR, pROC, mlr, rattle, glmnet, sp, raster, maptools, ggmap, titanic, arules, text2vec, wordcloud, wordcloud2, data.tree, treemap, purr, rvest, rgeos, rgdal

**Install GIT**

https://git-scm.com/downloads