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HENRY HARVIN® EDUCATION

Certified Business Analytics Practitioner (CBAP) Course

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Business/ Marketing/ Financial Analytics - R Programming

@Aug2022

Software/ App	Link for Download (download as per OS type)	Latest
R Programming	https://cran.r-project.org/bin/windows/base/ https://cran.r-project.org/bin/windows/base/R-4.3.0-win.exe	4.3.0
R Tools	https://cran.r-project.org/bin/windows/Rtools/rtools43/rtools.html https://cran.r-project.org/bin/windows/Rtools/rtools43/files/rtools43-5550-5548.exe	4.3
R Studio	https://posit.co/download/rstudio-desktop/#download https://download1.rstudio.org/electron/windows/RStudio-2023.03.0-386.exe	2023.03.0
Git	https://git-scm.com/downloads https://github.com/git-for-windows/git/releases/download/v2.40.0.windows.1/Git-2.40.0-64-bit.exe	2.40
Git Desktop	https://desktop.github.com/ https://central.github.com/deployments/desktop/desktop/latest/win32	3.2.1
SVN (Not Imp)	https://sliksvn.com/download/ https://sliksvn.com/pub/Slik-Subversion-1.14.2b-x64.zip	1.14.2
Sites to Bookmark / For Reference		

GitHub Repository	https://github.com/DUanalytics/rAnalytics (other repositories will told by trainer during the class)	
LMS	http://learn.henryharvin.com/	
Git Profile (Trainer)	https://github.com/dupadhyaya (you may follow the profile if you want to find more repositories)	

Zoom Meeting ID : https://zoom.us/j/xxxxxxx (will intimate at the start of class)
(You can use Laptop/ Tab/ Mobile for viewing Online Session)

Pre-Course

- ## R and R Studio (Important for Course)
  - ○ **Install R First** : https://cran.r-project.org/bin/windows/base/ (Download the latest version and 64/32 bit as per your OS - Windows/Mac/ Linux). Install as Administrator
  - ○ Install **R Studio** (free version) : https://www.rstudio.com/products/rstudio/download/#download Download the latest version for your OS (Windows/ Mac/ Linux) and 64/32 bit. Install as Administrator
  - ○ Run R Studio and execute some commands in R to check if it is working.

- ## Project Management (Recommended)
  - ○ Note : Mac Laptops alredy have Git and SVN installed
  - ○ Download and Install Latest Version **Git (64 bit)** : https://git-scm.com/downloads
  - ○ Download Install Latest Version **SVN (64 bit)** : https://sliksvn.com/download/   [you will first have to unzip this and then install)
  - ○ **Signup for Git** : https://github.com/   (verify with your email)
  - ○ Star the repository https://github.com/DUanalytics/rAnalytics (mark star after your login so u can easily access the repository)
  - ○ ***Other Setup will be explained during class / Can refer to online PPT in LMS or Mind Map shared***

- ## LMS
  - ○ **Login to LMS :**
  - ○ Login ID - ID and pwd as given). you can change the password after login (this may not work if I users are not added to LMS. Awaiting user details. Will be set up when first class starts. Provide details through Student Coordinator)
  - ○ You can also use Google Play Store : https://play.google.com/store/apps/details?id=com.moodle.moodlemobile
- **Twitter**
  - ○ **Signup for Twitter** : https://twitter.com/?lang=en-in and send some tweet
  - ○ Send Test tweet:
    - ■ ***Learning Business Analytics from Henry Harvin Education @henryharvin_in with @.... (friends id)***
  - ○ Replace xxx with Business/ Financial / Marketing Analytics - Amend it accordingly
  - ○ We will use these tweets to do Sentiment Analysis/ Text Analytics

Others:
- Have your laptop fully charged
- Should have net connection central or mobile data

- Refresh your knowledge of Statistics and data manipulation in excel if learnt earlier
- For Online Classes preferably use headphones; can use your mobile for online video and laptop for practising the analytics work.
- You can give feedback at the end of each session (Conduct, Topics, Difficulties etc)
- Keep yourself updated with Course Schedule with Student Coordinator

Videos:
- R and R Studio Setup : https://www.youtube.com/watch?v=9-RrkJQQYqY
- Git and RStudio Integration : https://www.youtube.com/watch?v=E2d91v1Twcc&t=370s
- Getting Started with R Studio : https://www.youtube.com/watch?v=IVKMsaWju8w
- R Programming Introductions (Related Videos) : https://www.youtube.com/watch?v=X67No4239Ys
- How to use Zoom Meeting : https://support.zoom.us/hc/en-us/articles/201362033-Getting-Started-on-PC-and-Mac

Cheatsheets:(Help on R Functions/ Codes)
- **https://www.rstudio.com/resources/cheatsheets/**
- **http://web.mit.edu/hackl/www/lab/turkshop/slides/r-cheatsheet.pdf**
- **https://intellipaat.com/tutorial/r-programming/data-structures-with-r-cheat-sheet/**

Before 1st Class
- Download all setup files
- Install in this order : R -> R Studio -> Git -> SVN (Restart the Laptop for configuration changes to be updated)
- Create a git profile at : https://github.com/. Verify the account
- Open Git Bash from Program Menu or prompt (Mac)
  - git config --global user.email "xxxxxxx@gmail.com" (email to create git id)
  - git config --global user.name "xxxxxxxxxx" (git id)

    ```
    jackv@JACKVENBERG8F32 MINGW64 ~
    $ git config --global user.name "YOUR_USERNAME"

    jackv@JACKVENBERG8F32 MINGW64 ~
    $ git config --global user.email "your_email_address@email.com"

    jackv@JACKVENBERG8F32 MINGW64 ~
    $
    ```

- Create folders like this: (C/D or E drive/ or as per Mac system)
  - C:\analytics
    - \ebooks   (for storing ebooks)
    - \data (for storing datasets)
    - **\projects** (for storing analytics projects & repositories)
    - \setup (for storing setup files)