

Pre-Course Instructions

<https://www.henryharvin.com>



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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-4.2.1-win.exe	4.2.1
R Studio	https://www.rstudio.com/products/rstudio/download/#download https://download1.rstudio.org/desktop/windows/RStudio-2022.07.1-554.exe	2022.07.1-554
Git	https://git-scm.com/downloads https://github.com/git-for-windows/git/releases/download/v2.37.1.windows.1/Git-2.37.1-64-bit.exe	2.37.1.64
Git Desktop	https://desktop.github.com/ https://central.github.com/deployments/desktop/desktop/latest/win32	3.0.5
SVN	https://sliksvn.com/download/ https://sliksvn.com/pub/Slik-Subversion-1.14.2-x64.zip	1.14.2
Sites to Bookmark / For Reference		
GitHub Repository	https://github.com/DUanalytics/rAnalytics (other repositories will be 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 already 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 - 10 digit mobile no given and pwd as 1234). 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)
 - \datasets (for storing datasets)
 - \projects (for storing analytics projects & repositories)