Python Analytics : Pre- Course Instructions

Knowledge which can help you during the Course

- Mathematical Background - Algebra, Geometry
- **Statistics Techniques**
- Business Process/Analysis (Domain wise)
- Some programming background (C/R/Python)
- Excel, SQL Techniques

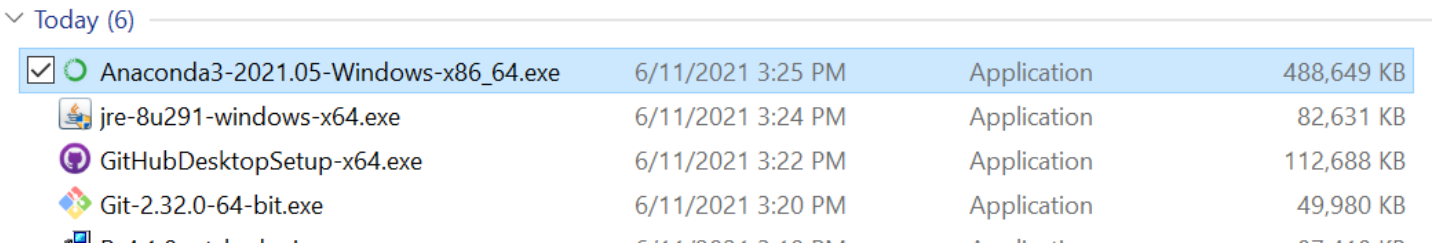
Before Start (Always find the latest version of application, download and setup as ADMINISTRATOR; unless specified otherwise)

- Install Anaconda : https://www.anaconda.com/distribution/#download-section (Windows or Mac) - 64 bit installer - (Check which OS you are installing)
  - https://www.anaconda.com/products/individual
    - https://repo.anaconda.com/archive/Anaconda3-2020.02-Windows-x86_64.exe
- Complete the Anaconda Setup : See these instructions in LMS.

Summary of Software to be downloaded and installed. If a new version is available, install that.

Software	URL	Latest version
Anaconda	https://www.anaconda.com/products/individual https://www.anaconda.com/products/individual#download-section	Windows- 2021.05 (~ 477 MB)
Git	https://git-scm.com/download/win https://github.com/git-for-windows/git/releases/download/v2.32.0.windows.1/Git-2.32.0-64-bit.exe (this is installed by default in Mac)	Windows - 2.32.0 (48 MB)
Git Desktop	https://desktop.github.com/	Windows 2.8.3 (110 MB)
Java	https://www.java.com/en/download/ 64-bit Java for Windows **Recommended Version 8 Update 291 (filesize: 80.7 MB)** Release date April 20, 2021	8u291 (80MB)

Always Install as Administrator



- **Online meetings app will be used.**
- **Meeting ID will be shared.**
- **Recording will be done and provided.**

Project Management (Recommended)

- Note : Mac Laptops already have Git and SVN installed. You may have to install some app depending upon existing configuration
- Signup for Git : https://github.com/ (verify with your email) and create your ID.
- **Follow** trainer Profile : https://github.com/xxxxxx (xxxx - trainers ID) (https://github.com/dupadhyaya)
- **Star the repository** which your trainer has specified (mark star after your login so u can easily access the repository) (https://github.com/DUanalytics/pyAnalytics)
- Other Setup Trainer will explain during class / Can refer to online PPT in LMS or Mind Map shared

LMS

- Login to LMS : site provided by HHE : https://lms.henryharvin.com/course/view.php?id=32
- Login ID - Will be shared on mail
- You will see courses where you have been enrolled.
- Complete the initial questionnaire asked for

Notes:

- 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
- Mark your attendance Online (if asked)

Create Folder Structure in your Computer (This is for organising your Projects/ E-Content)

• E:/ (C or D Drive)
  ○ analytics
  ■ projects
  ■ ebooks
  ■ datasets
  ■ download
	We will organise all our analytics work in these folders. If you don't have E drive, use C or D drives
	• projects - save our repositories (all codes in folders)
	• ebooks - all reference books/ cheat sheets
	• datasets - all sample datasets from various sources
	• Download - here you can save all your setup files - anaconda, git, git desktop etc

IDE for Python

- Jupyter
- Spyder (This will be mainly Used) :
  - https://www.spyder-ide.org/
  - https://docs.spyder-ide.org/current/index.html