

1. TP ETL

Download Talend from the site bellow.

https://www.talend.com/download/thankyou/data-integration-windows/?file=TOS_DI-20200219_1130-V7.3.1-windows-installer.exe

You may need to download and install JRE (Java runtime environment) if it is not installed in your machine.

Please watch, read the following resources

<https://www.talend.com/resources/reading-a-file/>

<https://help.talend.com/r/cvFlfMcxdzPMuEi56YzbWw/zoJ2CYF5epAlzx477YUMvQ>

Download and install MySQL community edition.

<https://dev.mysql.com/downloads/file/?id=516926>

After installation, create a database in mysql called foodmart

Copy the file in the link bellow to your local machine

https://drive.google.com/file/d/1DdlWH9ypbYF4HV2-qeqE3mRRxK0y9-tz/view?usp=share_link

Watch and follow the video using mysql instead of postgres as a database server.

https://www.youtube.com/watch?v=kCX_H9_Y2Ls

2. 1 TP Datawarehouse Windows Users

Download and install Microsoft SQLServer analysis services (SSAS) from the site

<https://www.microsoft.com/en-us/sql-server/sql-server-downloads>

Download AdventureWorks and AdventureWorksDW from the following site:

<https://docs.microsoft.com/en-us/sql/samples/adventureworks-install-configure?view=sql-server-ver15&tabs=ssms>

Watch and follow the video to create your first cube.

<https://youtu.be/UWslar4ZP5g>

After creating your cube you can connect to your cube using Excel

<https://m.youtube.com/watch?v=vYohTLikXd4>

How to do analysis using Excel Pivot Table

<https://youtu.be/m0wI61ahfLc>

2.2 TP Datawarehouse UNIX users

Download IBM Cognos TM1

https://www.google.com/search?q=ibm+tm1+download&oq=ibm+tm1+download&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIICAEQABgWGB4yCAgCEAAyFhgeMg0IAxAGIYDGIAEGIoFMg0IBBAAGIYDGIAEGIoF0gEJODc5N2owajElqAIAAsAIA&sourceid=chrome&ie=UTF-8

Installation instruction video

<https://youtu.be/ABG2jEK27A0?si=6LjruX4jMinYnQs9>

Create dimensions video

<https://youtu.be/ek5qCW2lQZ8?si=y5O9DCKL9IIEKGMO>

create cube video

<https://youtu.be/lihralyjyRw?si=OXHsQLKV7AW7IyX8>

Enable the add-in required to work with TM1

<https://www.ibm.com/docs/en/planning-analytics/2.0.0?topic=ectf-enable-add-in-required-work-tm1-worksheet-functions>

<https://exploringtm1.com/planning-analytics-for-excel-connection-to-tm1/amp/>

Connect to your cube using excel for analysis video example

<https://youtu.be/TxHTu0TK7HE?si=WGLKf02BXdTqJGrg>

3. TP Datamining

Download weka from the site

https://waikato.github.io/weka-wiki/downloading_weka/#windows

Clustering, Association Rule Mining

Follow tutorial to perform Data Visualization, K-means Cluster Analysis, and Association Rule Mining using WEKA Explorer

<https://www.softwaretestinghelp.com/weka-explorer-tutorial/>

Classification Mining

Follow tutorial to perform decision tree classification using WEKA Explorer

https://www.softwaretestinghelp.com/weka-datasets/#Weka_Decision_Tree_Classification_Algorithms

4. TP Visualization (Create dashboard using power BI)

Install power bi desktop

<https://www.microsoft.com/en-us/download/details.aspx?id=58494>

Download data files from

<https://pages.xelplus.com/powerbi-intro-fil>

Watch and follow the video to create your first dashboard

<https://youtu.be/c7LrqSxjJQQ?si=5wgXYZbeXCxe034B>