Data Visualization Tools

General Instructions:

All the data in the world is useless if you can't understand it. Data visualization is about how to present your data, to the right people, at the right time, in order to enable them to gain insights most effectively.

For the next workshop it is nice to have a visualization software. You might have already a visualization software already installed on your machine. In this case you are free to install a new tool or not.

Here's my run-down of some of the best, most popular or most innovative data visualization tools available today. These are all paid-for (although they all offer free trials or personal-use licences). You might also choose from open source solutions.

For instance I recommend to install MicroStrategy Destop or QlikView Personal Edition.

- MicroStrategy Desktop
    - https://www.microstrategy.com/us/get-started/desktop
- QlikView Personal Edition
    - https://www.qlik.com/us/try-or-buy/download-qlikview
- Tableau Desktop Software
    - https://www.tableau.com/products/desktop/download
- Alteryx
    - https://www.alteryx.com/resources/product-support/download-alteryx

Hive ODBC Connector (Cloudera):

To be able to retrieve data from the Hive metastore into MS Excel, you will need a ODBC driver. You can download and install the Hive ODBC Driver for the Cloudera distribution

The Cloudera ODBC Driver for Hive enables your enterprise users to access Hadoop data through Business Intelligence (BI) applications with ODBC support. The driver achieves this by translating Open Database Connectivity (ODBC) calls from the application into SQL and passing the SQL queries to the underlying Impala engine.

You need this connector to be able to connect to the Apache Hive metastore from your Windows or your Mac.

*Note: This connector should be installed on your host machine **NOT** in the Cloudera VM*

You can Download the Hive ODBC driver from this link (choose the one corresponding to your operating System)

https://www.cloudera.com/downloads/connectors/hive/odbc/2-5-12.html