## Session 1

Getting to know Tableau for Data Visualization (45 min)

“All that’s going to be showed here will be repeated in greater detail + used as intro’s to exercises throughout”

* Anatomy of a Tableau Worksheet
* Tableau Dashboard Screen
* Tableau Desktop vs. Prep Builder
  + Tableau Prep Builder will be introduced in session 11+12 (advanced users)
  + Used for messy data
  + Not used in exercises or exam – but for those who are interested - later
* Loading data when CSV, TDE, Excel, etc.
* Importing Data into Tableau and saving workbooks.
* Dimensions Vs. Measures.

User Insurance Data set from Excel and CSV

Show Tableau User Interface, with introduction to Tableau Portfolio/products and the workflow (connect – analyze – share). Prep for messy data – not being used in the exercises

## Session 1 – Exercise Week 1: Introduction to Course and Practicalities

## “Insurance fee pr car make”

### Intro

* Tableau history
* Tableau user interface
* Connect to a data source
* Fix it and clean up
* Change data type/formatting, change from measure to dimension
* Build a simple chart
* TWBX vs TWB for exercises (solution workbook)

### Topics covered

* Handle Nulls, Change data Types
* Connecting to data
* Building a chart

### To Do

* Connect to data (Insurance Data)
* Format/fix data (data type/names/comment/measure to dimension)
* Create a bar char

### Instructions

Connect to Excel source “Insurance data.xlsx”. User Sheet “Active insurances”.

Modify Discount, change to “Percentage”, 0 decimals. Change default aggregation to AVG.  
Change “CustomerNo”, “Risk class” and “Year of Birth” to Dimension.

Rename “CustomerNo” to “Customer ID”.

Change Data Type for “Model Year” to “Date”.  
Add a Comment to “Discount”; “Discount: in % and average”

Build a bar chart, showing average “Milage” for each “Car make”, color by avg of “Discount” in %. Ordered by average “Milage”.

### Result

Graphical user interface, application

Description automatically generated Chart, histogram

Description automatically generated