**17.01 DAY 1 – DATA EXERCISE**

Data Analyst – analytical mind + coding

Data Scientist – solid tech background ML

BI Analyst – SQL + BI tools

Data Engineer – Tech infrastructure + Cloud

**18.02 DAY 2 – THEORY**

* Pandas is designed for 2 dimensions (row: axis =0 and columns: axis=1);
* <https://pandas.pydata.org/pandas-docs/stable/user_guide/merging.html> -- a guide for pandas library to use concat, merge, etc;
* Need to pay attention in data.info() – normally you can find some problems while merging or importing to jupyter. In class we could see that had 4028 entries, but the index was limited going to 0 to 1025. Losing almost 3000 of rows – we need to reset index pandas or we could just ignore index while doing the concat.
* Today we saw:
  + How to import csv to jupyer (also .txt)
  + Clean and filter methods to do in the database

**19.01 DAY 3 – DATA EXERCISE**

* Replace NULLS values with:
  + Mean, mode value
  + Or estimate:
    - Impute the value
    - Regression
    - Clustering -> F/M
    - Neighbors -> F
* *Pythons Error:*  **AttributeError**: 'Series' object has no attribute 'title'
  + Series is the column that you are working with. We fixed this using a string before title. To show that we need to search for the string or values in that columns.