**Best Coding / Version Control Practices**

**Python (Coding)**

* Place comments and create documentation wherever necessary so that others can have a better understanding of the code.
* The columns names in Python should be in small letters and use “\_” instead of “ “ (space) or “-“ whenever necessary.
* Use markdowns in Python to segregate sections of code.
* Python: df.to\_csv(…, index=False) -> use index=False to avoid creating an unnecessary Unnamed:0 column
* Python: All import statements should be at the first cell of your notebook
* Python: Functionalize your code as much as possible

**Excel**

* The columns names in excel should be in small letters and use “\_” instead of “ “ (space) or “-“whenever necessary.

**Naming Convention**

* While writing code use proper naming scheme for variables (e.g., sales\_result) instead of using “a, n1, variable1, etc.” for better understanding and readability of code.
* The naming of all data frames should start with “df\_<name of data frame>”.Ex: df\_sales.

**Folder Structure**

* Major developments in code should be saved new notebooks (denote by <notebook\_name>\_v1.ipynb, <notebook\_name>\_v2.ipynb, etc.)
* Maintain folder structure – all work relevant to sales should be in a Sales folder, everything related to price should be in a Price folder, all notebooks consolidating different datasets should be in an ADS (Analytical Dataset) folder, etc.