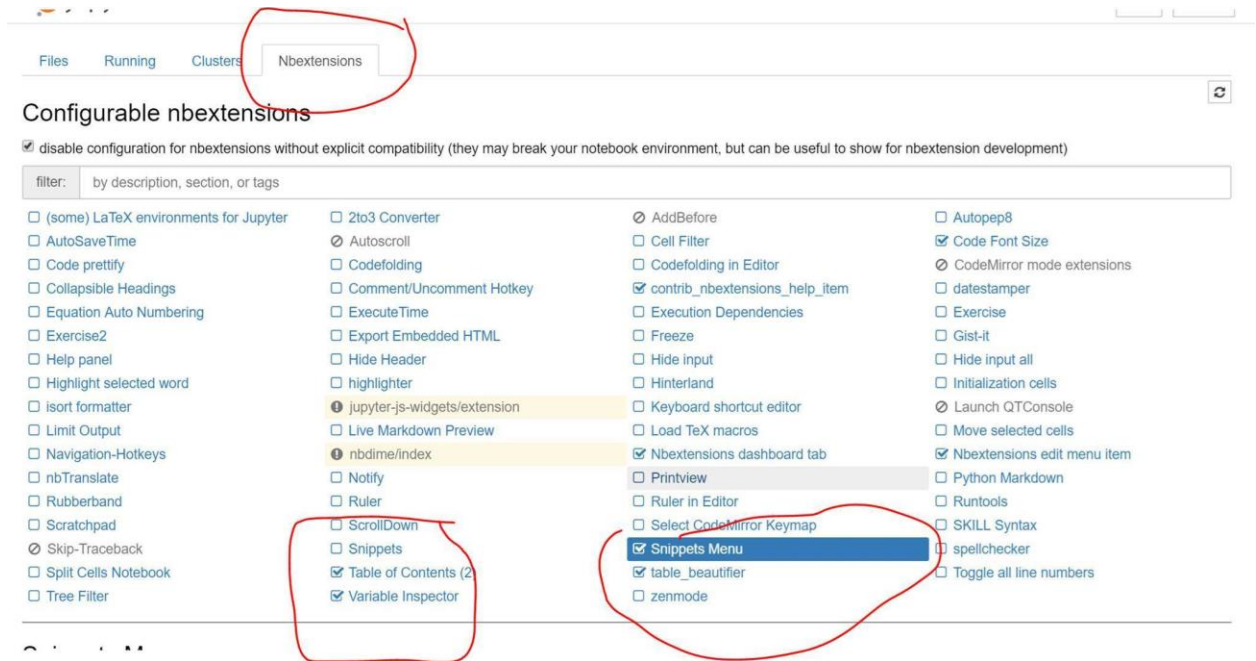


- Jupyter Notebook extensions offers lot of features which makes our work little easier.
- Following are some features which I loved it and following is the process to enable them.

## Jupyter Notebook Extensions

- 1) Go to Anaconda prompt
- 2) `pip install jupyter_contrib_nbextensions`
- 3) `jupyter contrib nbextension install -user`
- 4) `jupyter nbextensions_configurator enable -user`
- 5) After installation, start Jupyter Notebook
- 6) You would be able to see the new Nbextensions tab



- 7) By clicking on the Nbextensions tab, we will be provided with a list of available widgets. Select Table of Contents and Snippets
- 8) Once you have them, by clicking the option in Red, we get following Table of Contents

The screenshot shows the Jupyter Notebook interface. The top menu bar includes File, Edit, View, Insert, Cell, Kernel, Navigate, Widgets, Help, and Snippets. Below the menu is a toolbar with icons for saving, adding, deleting, and running code. The 'Contents' sidebar on the left lists a table of contents with sections like 'Local Functions', 'Read the Data and Inspect the DF', 'Data Cleaning', and 'Univariate Analysis of Application DF'. The 'Univariate Analysis of Application DF' section is expanded, showing '4.1 Univariate Analysis of Categorical Variables' highlighted. The main area shows a code cell 'In [19]:' with a snippet titled '# Analyze Categorical Variables' containing the code `cr_ap_df.select_`. The output 'Out[19]:' displays a table with columns 'count', 'unique', 'top', and 'freq' for the 'TARGET' variable. The output table shows: count: 307511, unique: 2, top: 0, freq: 282686. Below the output, another code cell 'In [18]:' is partially visible, showing code for creating categorical and numerical variables from 'cr\_ap\_1'.

Contents

- 1 Local Functions
- 2 Read the Data and Inspect the DF
  - 2.1 Read the data Application Data
  - 2.2 Inspect the Column Data Types of Application DF
  - 2.3 Read the Previous Application Data
  - 2.4 Inspect the Column Data Types of Previous Application DF
  - 2.5 Read the Columns Description
- 3 Data Cleaning
  - 3.1 Drop the columns
  - 3.2 Inspect the Null Values of Application DF
  - 3.3 Inspect the Null Values of Previous Application DF
  - 3.4 Retrieve Dtypes and analyze DF
    - 3.4.1 Analyze Numerical Variables of Application DF
    - 3.4.2 Analyze Categorical Variables of Application DF
- 4 Univariate Analysis of Application DF
  - 4.1 Univariate Analysis of Categorical Variables

In [19]:

```
# Analyze Categorical Variables
cr_ap_df.select_
```

Out[19]:

TARGET	
count	307511
unique	2
top	0
freq	282686

In [18]:

```
cr_ap_1_cat = cr
cr_ap_1_num = cr

print("List of Categorical Variables")
print("List of Numerical Variables")
```

Snippets of NB Extensions offers lot of good things

kpoint: 2 minutes ago (autosaved)

The screenshot shows the 'Snippets' menu in Jupyter Notebook. The menu is open, displaying a list of categories and their corresponding snippets. The categories are: Setup, Documentation, Creating arrays, Reshaping and viewing arrays, Indexing and testing arrays, Vectorized (universal) functions, Polynomials, Pretty printing, and File I/O. The snippets are organized into a list with checkboxes and arrows. The categories are: NumPy, SciPy, Matplotlib, SymPy, pandas, Astropy, h5py, numba, Python, and Markdown. The 'Markdown' category is highlighted. The background shows a code cell 'In [133]:' with the code `fig = go.Fi`.

Kernel Navigate Widgets Help Snippets

- Setup
- Documentation
- Creating arrays
- Reshaping and viewing arrays
- Indexing and testing arrays
- Vectorized (universal) functions
- Polynomials
- Pretty printing
- File I/O

- NumPy
- SciPy
- Matplotlib
- SymPy
- pandas
- Astropy
- h5py
- numba
- Python
- Markdown

In [133]:

```
fig = go.Fi
```

I use it mainly for inserting preconfigured Markdown sets

Last Checkpoint: 4 minutes ago (autosaved)

The image shows the JupyterLab interface. At the top, there are tabs for 'Cell', 'Kernel', 'Navigate', 'Widgets', and 'Help'. The 'Snippets' dropdown menu is open, showing a list of snippets: 'NumPy', 'SciPy', 'Matplotlib', 'SymPy', 'pandas', 'Astropy', 'h5py', 'numba', 'Python', and 'Markdown'. The 'Code' editor tab is active, displaying a snippet titled 'Test Data and Polynomial Regression Models'. The snippet content includes a selection of degree. A context menu is open over the code editor, listing actions: 'Documentation', 'Insert itemized list', 'Insert enumeration list', 'Insert table', 'Insert local variable', 'Insert local function', 'Insert remote function', 'Insert inline math', 'Insert equation', and 'Insert aligned equation'. A sub-menu is open for 'Insert itemized list', showing options for 'One', 'Two', and 'Three' items, each with a 'Sublist' option.

```

1 4
29
26
23
20
17
14
11
8
5
2
28
25
22
19
16
13
10
7
4
1
29
26
23
20
17
14
11
8
5
2
28
25
22
19
16
13
10
7
4
1
)

```

---

```

In [ ]: ▶ * One
          - Sublist
            - This
          - Sublist
            - That
            - The other thing
          * Two
            - Sublist
          * Three
            - Sublist

```

---