## Module 1: Data validation and pre-processing technique

# Import the neccessary packages.	
<b>import</b> pandas <b>as</b> pd <b>import</b> numpy <b>as</b> np	
<b></b>	In [ ]:
# Import the Warnings.	[].
import warnings	
warnings.filterwarnings('ignore')	
	In [ ]:
data = pd.read_csv('brain_stroke.csv')	
	In [ ]:
data.head()	
	In [ ]:
data.shape	
	In [ ]:
data.info()	
	In [ ]:
data.duplicated()	
	In [ ]:
data.duplicated().sum()	
	In [ ]:
df = data.dropna()	
	In []:
df.head()	
	In []:
df.describe()	
	In []:
df.columns	£ 3.
	In [ ]:
df['work_type'].unique()	[ ].
	In [ ]:
df['smoking_status'].unique()	[ ].
- •	In [ ]:
df['ever_married'].unique()	[ ].
- · ·	In []:
df['Residence_type'].unique()	[ ]·

In []:

In []: