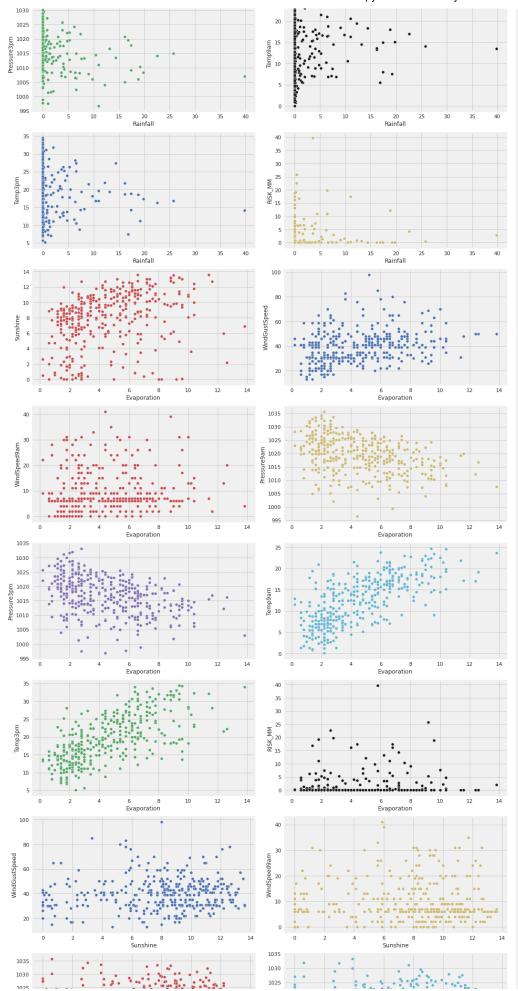
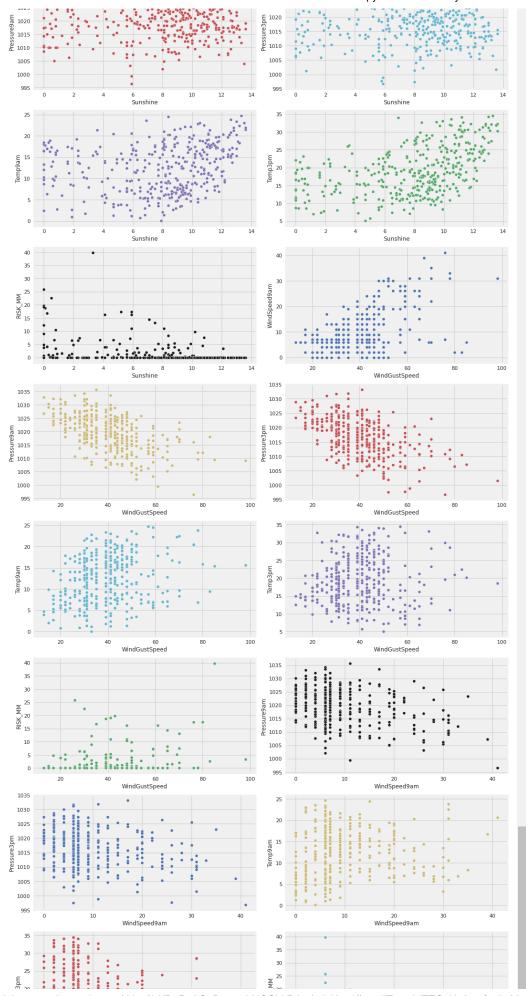
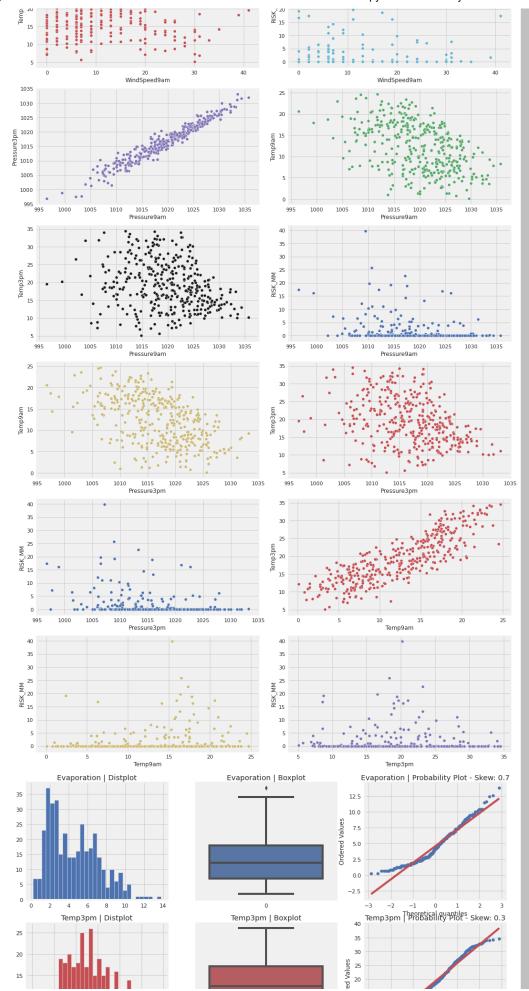
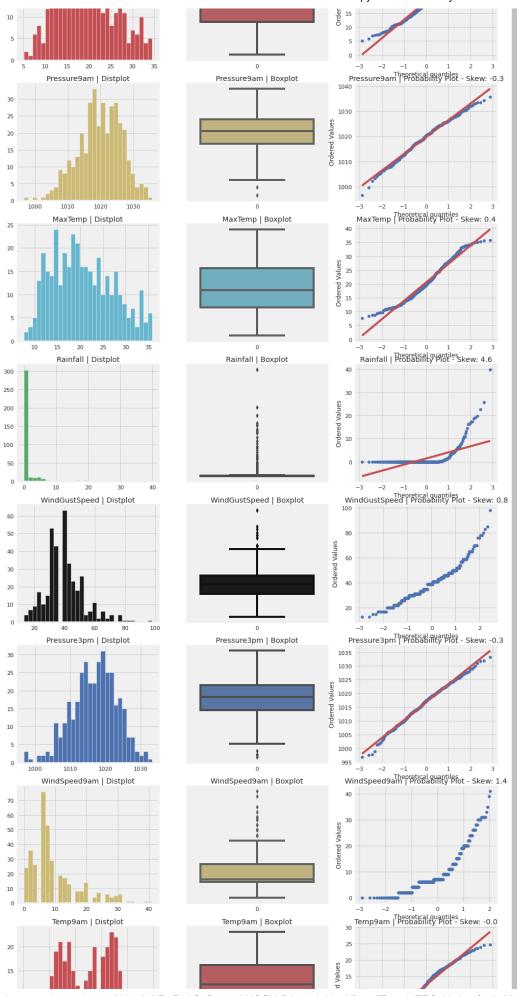
DATA VISUALISATION USING autoviz

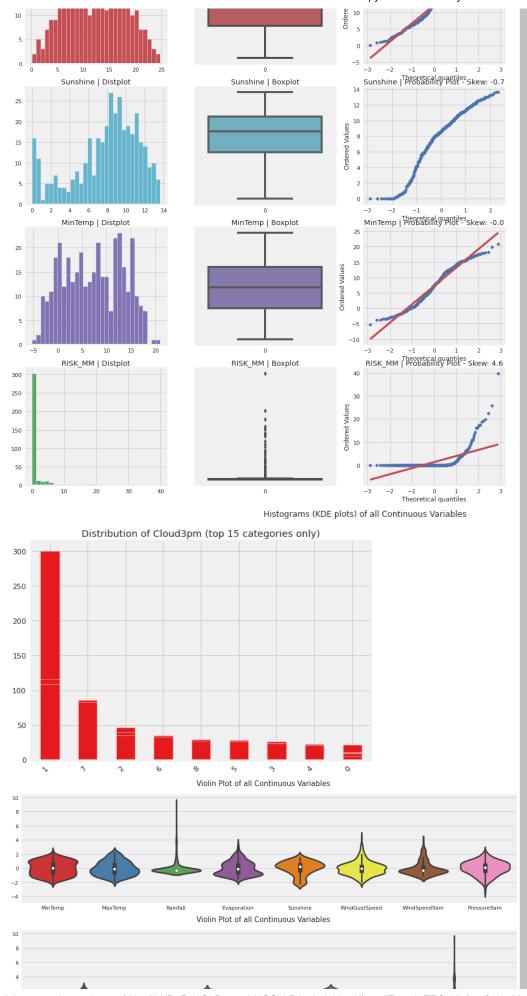
```
!pip install autoviz
     Requirement already satisfied: ipython-genutils~=0.2.0 in /usr/local/lib/python3.9/dist-packages (from ipywidgets->jupyter->autoviz)
     Requirement already satisfied: jupyterlab-widgets>=1.0.0 in /usr/local/lib/python3.9/dist-packages (from ipywidgets->jupyter->autoviz
     Requirement already satisfied: importlib-metadata>=4.4 in /usr/local/lib/python3.9/dist-packages (from markdown->panel~=0.12.6->autov
     Requirement already satisfied: pandocfilters>=1.4.1 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (1.5
     Requirement already satisfied: entrypoints>=0.2.2 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (0.4)
     Requirement already satisfied: tinycss2 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (1.2.1)
     Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (4.11.2)
     Requirement already satisfied: defusedxml in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (0.7.1)
    Requirement already satisfied: nbformat>=5.1 in /usr/local/lib/python3.9/dist-packages (from nbconvert-)iupyter->autoviz) (5.8.0)
     Requirement already satisfied: jupyter-core>=4.7 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (5.3.0)
     Requirement already satisfied: nbclient>=0.5.0 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (0.7.2)
     Requirement already satisfied: lxml in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (4.9.2)
     Requirement already satisfied: jupyterlab-pygments in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (0.2.
     Requirement already satisfied: mistune<2,>=0.8.1 in /usr/local/lib/python3.9/dist-packages (from nbconvert->jupyter->autoviz) (0.8.4)
     Requirement already satisfied: prometheus-client in /usr/local/lib/python3.9/dist-packages (from notebook->jupyter->autoviz) (0.16.0)
     Requirement already satisfied: pyzmq>=17 in /usr/local/lib/python3.9/dist-packages (from notebook->jupyter->autoviz) (23.2.1)
     Requirement already satisfied: Send2Trash>=1.5.0 in /usr/local/lib/python3.9/dist-packages (from notebook->jupyter->autoviz) (1.8.0)
     Requirement already satisfied: argon2-cffi in /usr/local/lib/python3.9/dist-packages (from notebook->jupyter->autoviz) (21.3.0)
     Requirement already satisfied: terminado>=0.8.3 in /usr/local/lib/python3.9/dist-packages (from notebook->jupyter->autoviz) (0.17.1)
     Requirement already satisfied: ptyprocess>=0.5 in /usr/local/lib/python3.9/dist-packages (from pexpect->ipython->autoviz) (0.7.0)
     Collecting qtpy>=2.0.1
       Downloading QtPy-2.3.0-py3-none-any.whl (83 kB)
                                                  83.6/83.6 KB 8.1 MB/s eta 0:00:00
     Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.9/dist-packages (from requests->panel~=0.12.6->autoviz) (
     Requirement already satisfied: charset-normalizer~=2.0.0 in /usr/local/lib/python3.9/dist-packages (from requests->panel~=0.12.6->aut
     Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.9/dist-packages (from requests->panel~=0.12.6->autoviz
     Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.9/dist-packages (from requests->panel~=0.12.6->autoviz) (3.4)
     Requirement already satisfied: platformdirs>=2.5 in /usr/local/lib/python3.9/dist-packages (from jupyter-core>=4.7->nbconvert->jupyte
     Requirement already satisfied: jsonschema>=2.6 in /usr/local/lib/python3.9/dist-packages (from nbformat>=5.1->nbconvert->jupyter->aut
     Requirement already satisfied: fastjsonschema in /usr/local/lib/python3.9/dist-packages (from nbformat>=5.1->nbconvert->jupyter->auto
     Requirement already satisfied: argon2-cffi-bindings in /usr/local/lib/python3.9/dist-packages (from argon2-cffi->notebook->jupyter->a
     Requirement already satisfied: soupsieve>1.2 in /usr/local/lib/python3.9/dist-packages (from beautifulsoup4->nbconvert->jupyter->auto
     Requirement already satisfied: pyrsistent!=0.17.0,!=0.17.1,!=0.17.2,>=0.14.0 in /usr/local/lib/python3.9/dist-packages (from jsonsche
     Requirement already satisfied: attrs>=17.4.0 in /usr/local/lib/python3.9/dist-packages (from jsonschema>=2.6->nbformat>=5.1->nbconver
     Requirement already satisfied: cffi>=1.0.1 in /usr/local/lib/python3.9/dist-packages (from argon2-cffi-bindings->argon2-cffi->noteboo
     Requirement already satisfied: pycparser in /usr/local/lib/python3.9/dist-packages (from cffi>=1.0.1->argon2-cffi-bindings->argon2-cf
    Building wheels for collected packages: emoji
       Building wheel for emoji (setup.py) ... done
       Created wheel for emoji: filename=emoji-2.2.0-py3-none-any.whl size=234926 sha256=1959e05c28f1b9ec5f45808a1ca33c4f61f5941b5c4526bb1
       Stored in directory: /root/.cache/pip/wheels/9a/b8/0f/f580817231cbf59f6ade9fd132ff60ada1de9f7dc85521f857
     Successfully built emoji
     Installing collected packages: setuptools, qtpy, jedi, emoji, pyamg, panel, qtconsole, holoviews, hvplot, jupyter, autoviz
       Attempting uninstall: setuptools
         Found existing installation: setuptools 67.6.0
         Uninstalling setuptools-67.6.0:
           Successfully uninstalled setuptools-67.6.0
       Attempting uninstall: panel
         Found existing installation: panel 0.14.4
         Uninstalling panel-0.14.4:
           Successfully uninstalled panel-0.14.4
       Attempting uninstall: holoviews
         Found existing installation: holoviews 1.15.4
         Uninstalling holoviews-1.15.4:
          Successfully uninstalled holoviews-1.15.4
     ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the sour
     cvxpy 1.3.1 requires setuptools>65.5.1, but you have setuptools 60.10.0 which is incompatible.
    Successfully installed autoviz-0.1.58 emoji-2.2.0 holoviews-1.14.9 hvplot-0.8.3 jedi-0.18.2 jupyter-1.0.0 panel-0.12.7 pyamg-4.2.3 qt
from autoviz.AutoViz_Class import AutoViz_Class
%matplotlib inline
AV=AutoViz_Class()
filepath='/content/drive/MyDrive/data set/weather.csv'
df=AV.AutoViz(filepath,sep=',',depVar="",dfte=None,header=0,verbose=0,lowess=False,chart format="svg",max rows analyzed=15000
              ,max_cols_analyzed=30);
₽
```

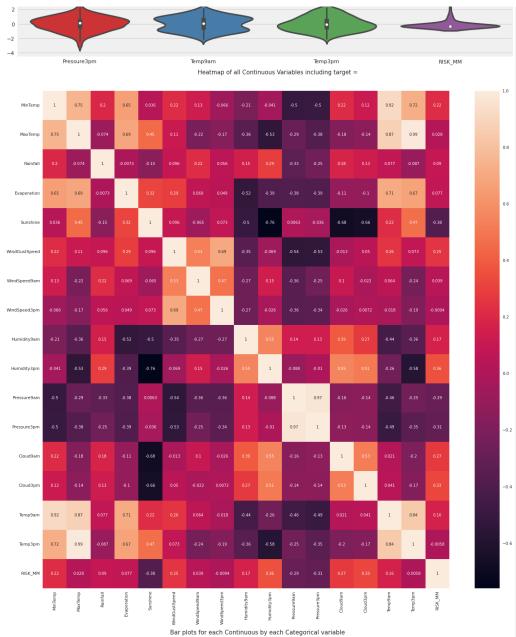


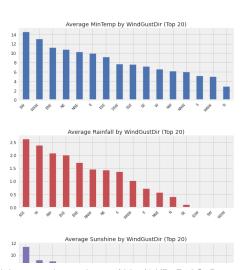




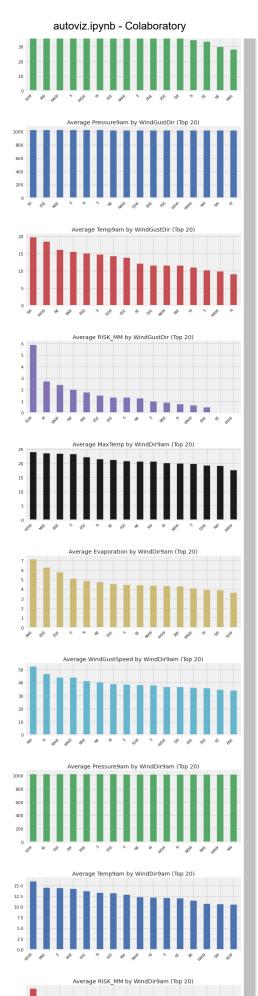


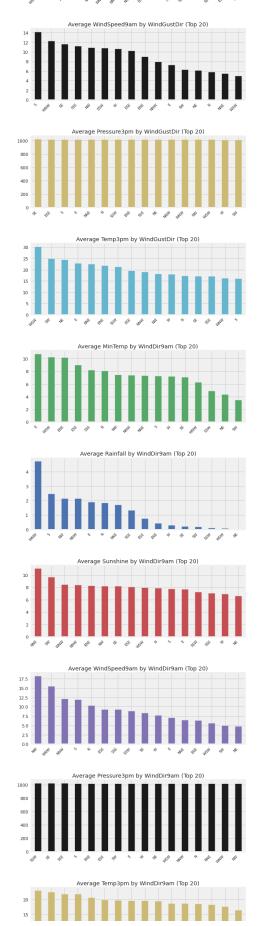


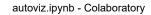


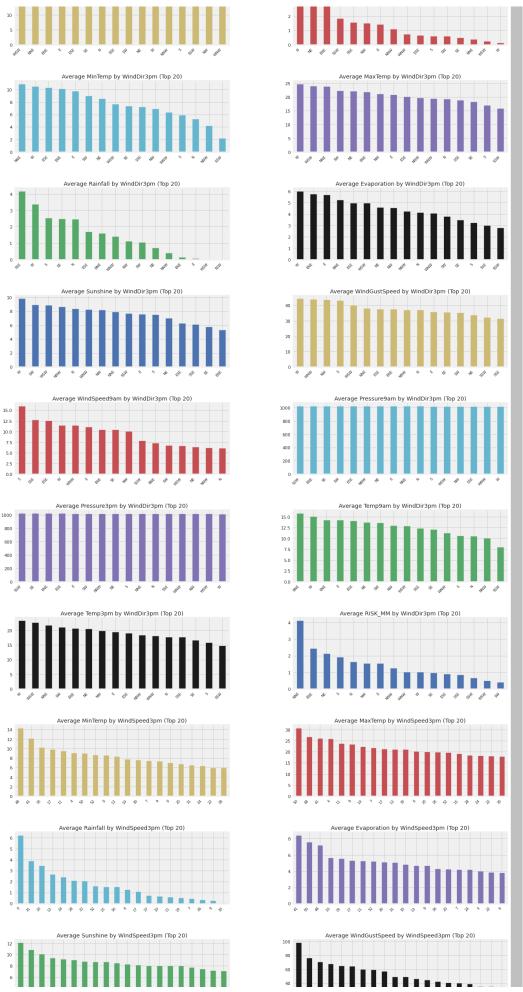














17.5 15.0 12.5 10.0 7.5

