**Help Document**

Introduction

The application is a medium to gauge the quality of air in the city of New York for the period starting from May, 1973 to September 1973. The quality of air is dependent on four subsequent variables such as ozone, solar radiation, wind and temperature where each variable defines the following:

* Ozone – Mean ozone in parts per billion from 1300 to 1500 hours at Roosevelt Island
* Solar Radiation – Solar radiation in Langley’s in the frequency band 4000–7700 Angstroms from 0800 to 1200 hours at Central Park
* Wind – Average wind speed in miles per hour at 0700 and 1000 hours at LaGuardia Airport
* Temperature – Maximum daily temperature in degrees Fahrenheit at La Guardia Airport

Process

Step 1: Select the ‘Air Quality’ variable one wants to assess e.g. wind, temperature etc.

Step 2: Select the time period (month) for which the assessment needs to be done e.g. May

Step 3: Click on submit button

Step 4: The output is displayed on the screen

Output

The output sheet is in the form of a bar chart which displays the required information.

X-axis: displays the days of the month from Day 1 to Day 31

Y-axis: The chosen variable data points e.g. if wind variable is selected then it displays the ‘miles per hour’ on the given axis, following are the data points for all variables:

* Ozone – ozone in parts per billion
* Solar Radiation –Angstroms
* Wind – miles per hour
* Temperature – Fahrenheit

The output displays the trend in the chosen variable e.g. Wind across the month in the form of a bar chart.