

In [1]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

In [10]:

```
data = pd.read_excel('D:KULIAH/no2.xls')
```

In [11]:

```
data
```

Out[11]:

	Category	Weather	Holiday	Game	Qty	
0	A	5	1	0	250	
1	B	3	1	1	200	
2	C	1	1	0	75	
3	D	4	1	1	400	
4	E	4	0	0	150	
5	F	2	0	0	50	

In [13]:

```
import math
dis = []
for i in range(6):
    dis.append(math.sqrt((float(data.iloc[i]['Weather'])-4)**2+(float(data.iloc[i]['Holiday'])- 1)**2+(float(data.iloc[i]['Game'])-1)**2))
```

In [14]:

```
data['dis'] = dis
data
```

Out[14]:

	Category	Weather	Holiday	Game	Qty	dis
0	A	5	1	0	250	1.414214
1	B	3	1	1	200	1.000000
2	C	1	1	0	75	3.162278
3	D	4	1	1	400	0.000000
4	E	4	0	0	150	1.414214
5	F	2	0	0	50	2.449490

In []: