In [1]:
```
from sklearn import datasets
from sklearn.metrics import accuracy_score
from sklearn.model_selection import train_test_split
from sklearn.linear_model import Perceptron
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import accuracy_score
from sklearn.neighbors import KNeighborsClassifier
from matplotlib.colors import ListedColormap
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

In [2]:
```
df = pd.read_csv('C:/Users/Zilean/Desktop/Illinois Courses/Fall 2019/IE 598 Mach
df.head()
```

Out[2]:

	rowindex	contract	price_crossing	price_distortion	roll_start	roll_heart	near_minus_
0	1	TUZ92 Comdty	0	1	0	1	
1	2	TUH93 Comdty	0	1	1	0	
2	3	TUM93 Comdty	0	0	1	1	
3	4	TUU93 Comdty	1	1	0	0	
4	5	TUZ93 Comdty	0	0	1	1	

In [3]:
```
df.shape
```

Out[3]: (900, 12)