10/3/21, 9:38 PM stage

```
import numpy as np
 In [1]:
          import pandas as pd
          data=pd.read_csv("Stage_Input.csv", index_col='Date')
 In [2]:
          data['Current_State']="No Change"
In [11]:
          data['Current_Stage']="Stage One"
          for i in range (0,data.shape[0]):
              if ((data.Old_Rating[i]=="BBB") and (data.New_Rating[i]=="BB")):
                  data.Current_State[i]="Downgrade"
              if ((data.Old_Rating[i]=="BB") and (data.New_Rating[i]=="B")):
                  data.Current State[i]="Downgrade"
              if ((data.Old Rating[i]=="C") and (data.New Rating[i]=="D")):
                  data.Current_State[i]="Default"
              if ((data.Old_Rating[i]=="D") and (data.New_Rating[i]=="D")):
                  data.Current_State[i]="Default"
              if (data.Current_State[i]=="Downgrade"):
                  data.Current_Stage[i]="Stage Two"
              if (data.Current_State[i]=="Default"):
                  data.Current_Stage[i]="Stage Three"
          data.to_csv("Output_Stage.csv")
In [13]:
In [ ]:
```

localhost:8888/lab