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In [45]: # impoting necessary Libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt # visualizing data
%matplotlib inline
import seaborn as sns
```

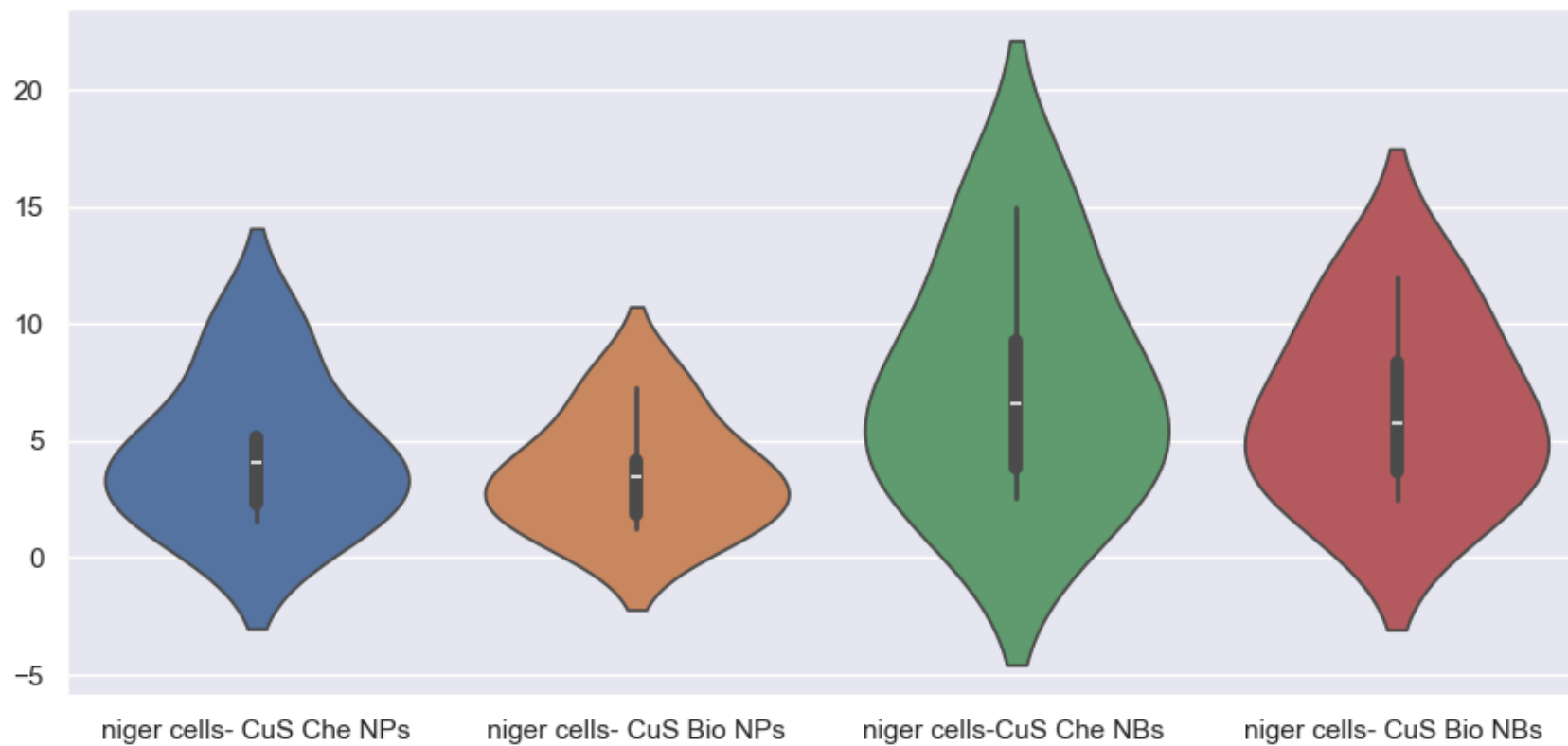
```
In [46]: # importing the csv file
df = pd.read_csv(r'C:\Users\hp\Desktop\bio Project\1-Amylase.csv',encoding= 'unicode_escape')
```

```
In [47]: # Description of the Loaded data
df.describe()
```

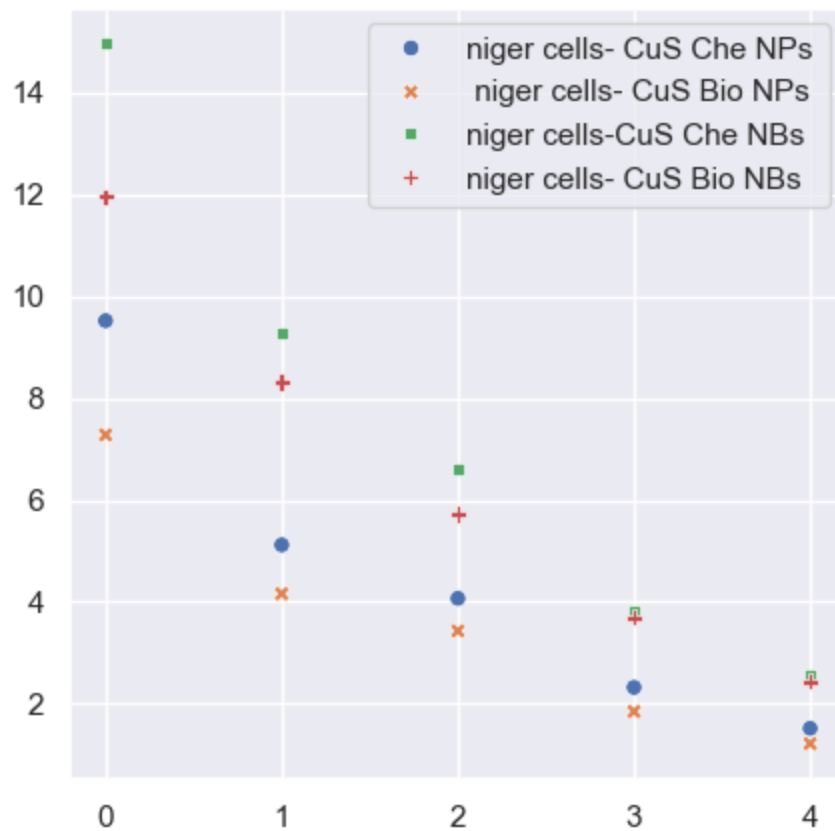
```
Out[47]:
```

	niger cells- CuS Che NPs	niger cells- CuS Bio NPs	niger cells-CuS Che NBs	niger cells- CuS Bio NBs
count	5.00000	5.000000	5.00000	5.000000
mean	4.51040	3.587800	7.44640	6.426800
std	3.13833	2.378137	4.93554	3.810114
min	1.51800	1.219000	2.57400	2.438000
25%	2.32400	1.848000	3.81800	3.696000
50%	4.07000	3.432000	6.60000	5.720000
75%	5.12000	4.160000	9.28000	8.320000
max	9.52000	7.280000	14.96000	11.960000

```
In [59]: sns.violinplot(data=df)
sns.set(rc={'figure.figsize':(11,5)})
```

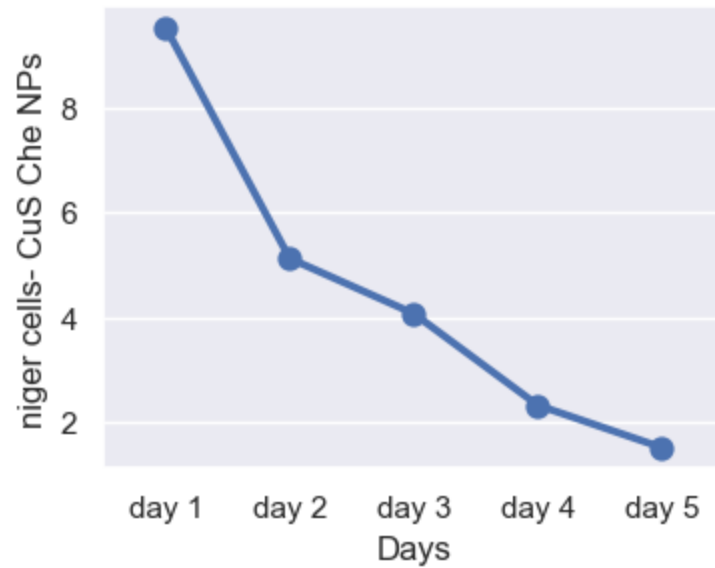


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In [35]: sns.scatterplot(data=df)
sns.set(rc={'figure.figsize':(3,3)})
```



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In [37]: df = df.groupby(['Days'], as_index=False)['niger cells- CuS Che NPs'].sum().sort_values(by='niger cells- CuS Che NPs')  
  
sns.set(rc={'figure.figsize':(4,3)})  
sns.pointplot(data = df, x = 'Days',y= 'niger cells- CuS Che NPs')
```

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Out[37]: <Axes: xlabel='Days', ylabel='niger cells- CuS Che NPs'>
```

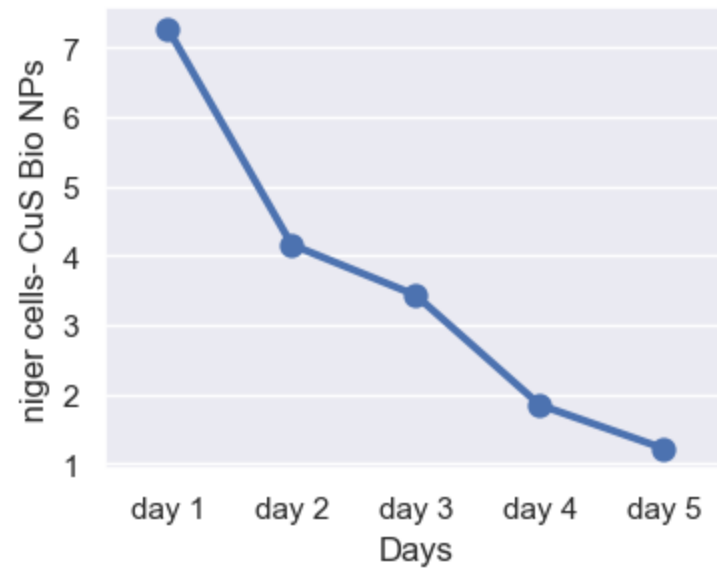


```
In [66]: df = pd.read_csv(r'C:\Users\hp\Desktop\bio Project\1-Amylase.csv',encoding= 'unicode_escape')
```

```
In [68]: df = df.groupby(['Days'], as_index=False)['niger cells- CuS Bio NPs '].sum().sort_values(by='niger cells- CuS Bio NPs ')

sns.set(rc={'figure.figsize':(4,3)})
sns.pointplot(data = df, x = 'Days',y= 'niger cells- CuS Bio NPs ')
```

```
Out[68]: <Axes: xlabel='Days', ylabel='niger cells- CuS Bio NPs '>
```



In []: