

8_Calculating T-test

```
In [17]: import scipy.stats as st  
import numpy as np
```

```
In [18]: Ho = "Weight of bag is 150gm"  
Ha = "Weight of bag is less than 150gm"
```

```
In [19]: t_table = st.t.ppf(0.05,24)  
t_table
```

```
Out[19]: -1.7108820799094282
```

```
In [20]: u_p = 150  
x_s = 148  
n_s = 25  
std_s = 5
```

```
In [21]: t_cal = (x_s - u_p)/(std_s/np.sqrt(n_s))  
t_cal
```

```
Out[21]: -2.0
```

```
In [22]: if t_table > t_cal:  
    print(Ha)  
else:  
    print(Ho)
```

Weight of bag is less than 150gm

```
In [ ]:
```