

```
In [25]: #Input your own data where necessary and press "Run" when instructed
```

```
In [ ]: #Defining your variables for Forbes index
#Input your numbers as instructed and delete the quotation marks
#Press "Run"
a="input number of shared species"
b="input number of unique species at site 1"
c="input number of unique species at site 2"
```

```
In [23]: #Press "Run"
#This defines your N variable
N=a+b+c
```

```
In [ ]: #Press "Run"
#This line of code is simply to check your value of N
N
```

```
In [ ]: #Press "Run"
#This is the first part of the equation
f1 = N+(math.sqrt(N))
```

```
In [ ]: #Press "Run"
#This is to check your f1 variable and confirm it is defined
f1
```

```
In [27]: #Press "Run"
#This is to define f2 (The top of the equation & the first part of the bottom of the equa
f2 = f1*a
```

```
In [ ]: #Press "Run"
#This is to check your f2 variable and confirm it is defined
f2
```

```
In [29]: #Press "Run"
#This is the final equation and will compute the Forbes coefficient for you.
F= f2/(f2+(1.5*b*c))
```

```
In [ ]: #Press "Run"
#The output of this is your Forbes coefficient
F
```

```
In [ ]: #THE NEXT SECTION IS YOUR JACCARD INDEX
```

```
In [ ]: #This is the variables input for the Jaccard index
#Place your own data, delete quotation marks, and Press "Run"
j="input number of shared species"
d="input total number of species at site 1"
e="input total number of species at site 2"
```

```
In [ ]: #This defines your equation and inputs your data for the Jaccard Index
#Press "Run"
J = (j)/(d+e+j)
```

```
In [ ]: #Press "Run"
#The output is your Jaccard coefficient
J
```