In [1]:

```
from scipy.stats import chi2_contingency
```

In []:

#null hypothesis for applications: the introduction of fitness tests will not lead to a
n increase in conversion rates of
#applications

In [4]:

In [5]:

```
#p value is less than 0.05 indictating the result is significant and unlikely to be due
to chance. But it was Group B that
#filled in more applications so we fail to reject the null hypothesis
print(pval)
```

0.0008340323282603952

In [6]:

#null hypothesis for purchases: the introduction of fitness tests will not lead to an i
ncrease in conversion rates of
#purchases

In [13]:

In [14]:

```
#p value is less than 0.05 indictating the result is significant and unlikely to be due
to chance. But it was Group B that
#bought more memberships so we fail to reject the null hypothesis
print(pval2)
```

0.013339261893301502

In []: