jupyter confidence interval Last Checkpoint: an hour ago (autosaved)

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Trusted Python 3

Run Code

In [1]:
```
import numpy as np
```

In [6]:
```
tstar=1.96
p=.85
n=550
se=np.sqrt((p*(1-p))/n)
se
```

Out[6]: 0.01522557656767657

In [7]:
```
lcb=p-tstar*se
ucb=p+tstar*se
(lcb,ucb)
```

Out[7]: (0.820157869927354, 0.879842130072646)

In [8]:
```
import statsmodels.api as sm
```

In [9]:
```
sm.stats.proportion_confint(n*p,n)
```

Out[9]: (0.8201584182834969, 0.8798415817165031)

In [ ]: