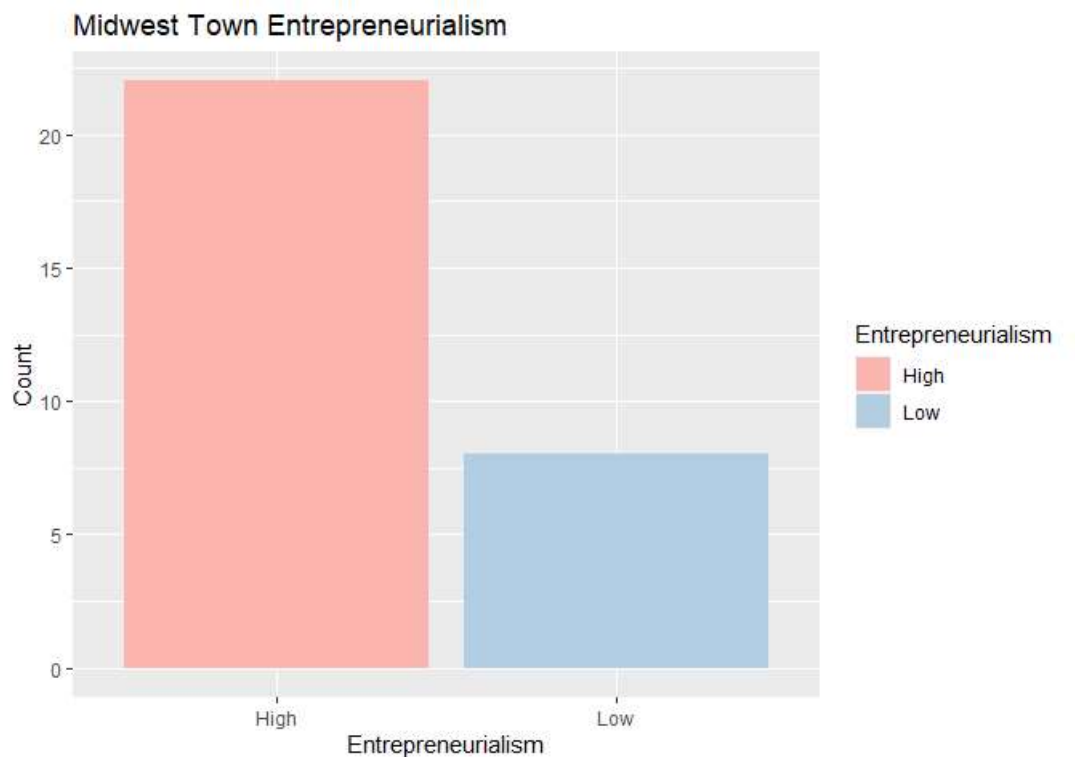


## Town Planners



##	Entrepreneurialism	count	rel
## 1	High	22	0.7333333
## 2	Low	8	0.2666667

## Normal Approximation CIs

## 90% CI: (0.600520404466923, 0.866146262199743), Center: 0.733333333333333

## 90% CI: (0.133853737800257, 0.399479595533077), Center: 0.266666666666667

## Wilson Score CIs

## 90% CI: (0.555516979556883, 0.858175044460894), Center: 0.706846012008888

## 90% CI: (0.141824955539106, 0.444483020443117), Center: 0.293153987991112

Are two thirds of towns in the midwest entrepreneurial? Should the organization invest?

Null:  $p = 2/3$ , Alt:  $p > 1/3$ , alpha: 0.01, 99% Confidence

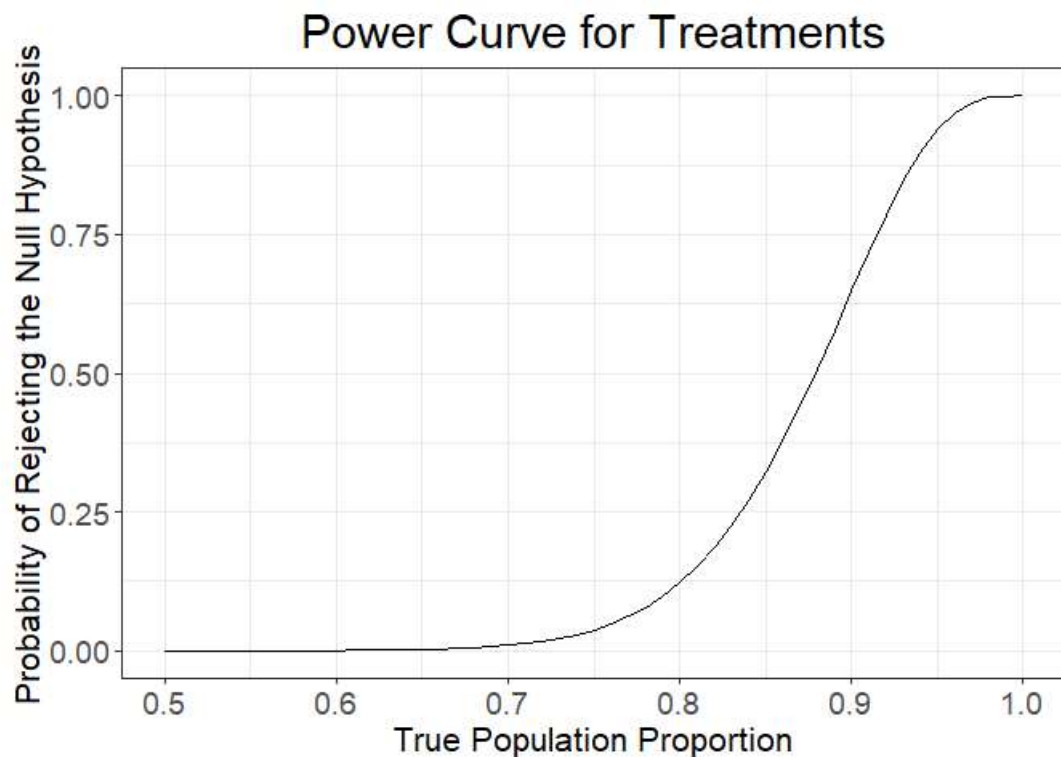
##

```
## Exact binomial test
##
## data: counts$count
## number of successes = 22, number of trials = 30, p-value = 0.286
## alternative hypothesis: true probability of success is greater than 0.6666667
## 99 percent confidence interval:
##  0.5073402 1.0000000
## sample estimates:
## probability of success
##                0.7333333
```

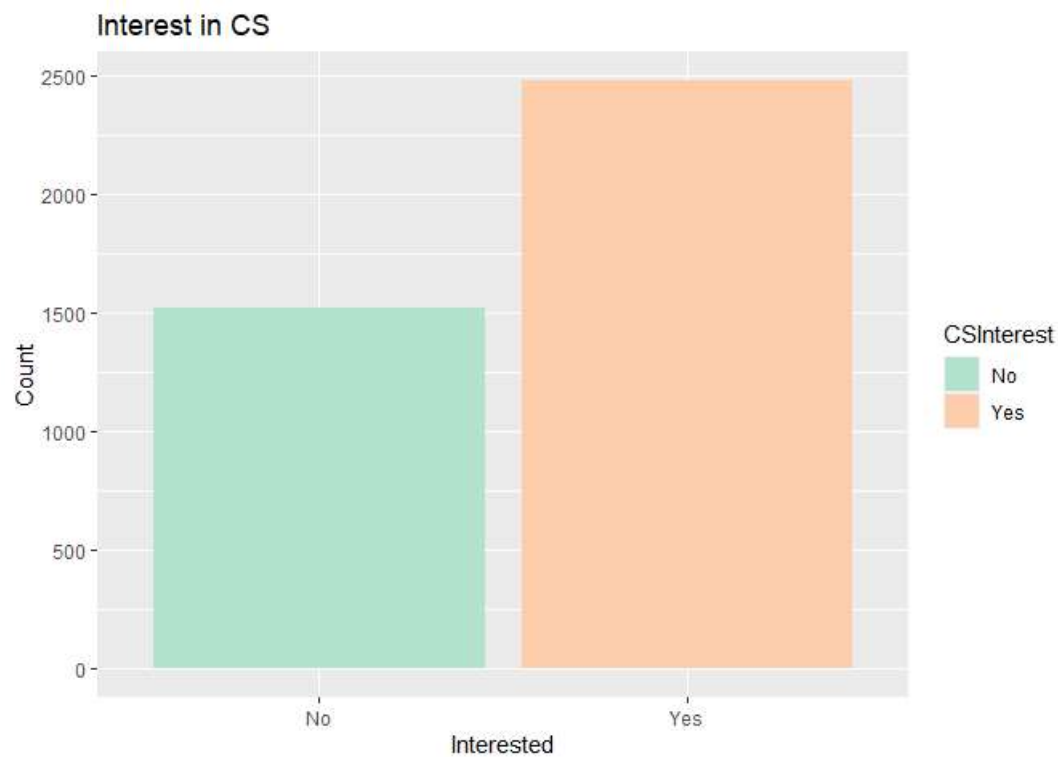
## Rejection Region

```
## [1] "Successes: 27; Probability: 0.00329724384589773"
```

Type 1 Error rate: 0.00323



## CS Interest



```
## CSInterest count rel
## 1      No  1520 0.38
## 2      Yes 2480 0.62
```

## Normal Approximation CIs

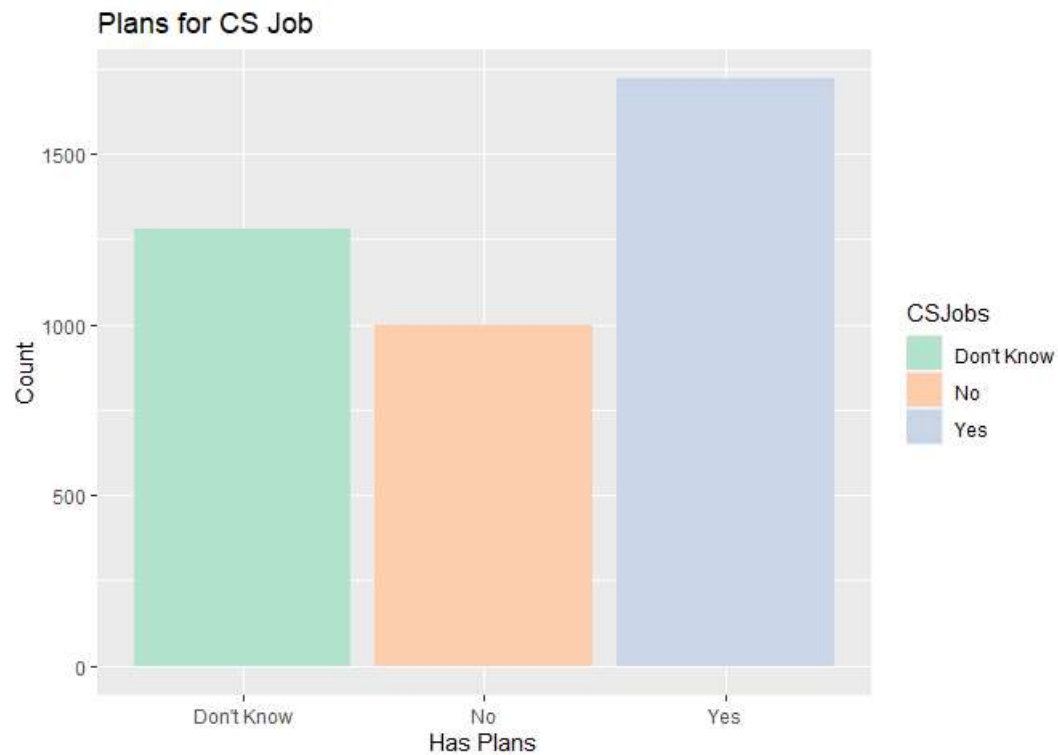
```
## 90% CI: (0.367375227823838, 0.392624772176162), Center: 0.38
```

```
## 90% CI: (0.607375227823838, 0.632624772176162), Center: 0.62
```

## Wilson Score CIs

```
## 90% CI: (0.365079632934585, 0.395150641909455), Center: 0.38011513742202
```

```
## 90% CI: (0.604849358090545, 0.634920367065415), Center: 0.61988486257798
```



```
##      CSJobs count rel
## 1 Don't Know 1280 0.32
## 2      No    1000 0.25
## 3      Yes   1720 0.43
```

## Normal Approximation CIs

```
## 90% CI: (0.307867079494203, 0.332132920505797), Center: 0.32
```

```
## 90% CI: (0.2387374549113, 0.2612625450887), Center: 0.25
```

```
## 90% CI: (0.417123211507717, 0.442876788492283), Center: 0.43
```

## Wilson Score CIs

```
## 90% CI: (0.305722365214175, 0.334623047051884), Center: 0.32017270613303
```

```
## 90% CI: (0.236824961528699, 0.263654777729717), Center: 0.250239869629208
```

```
## 90% CI: (0.414731822110645, 0.445402504881711), Center: 0.430067163496178
```