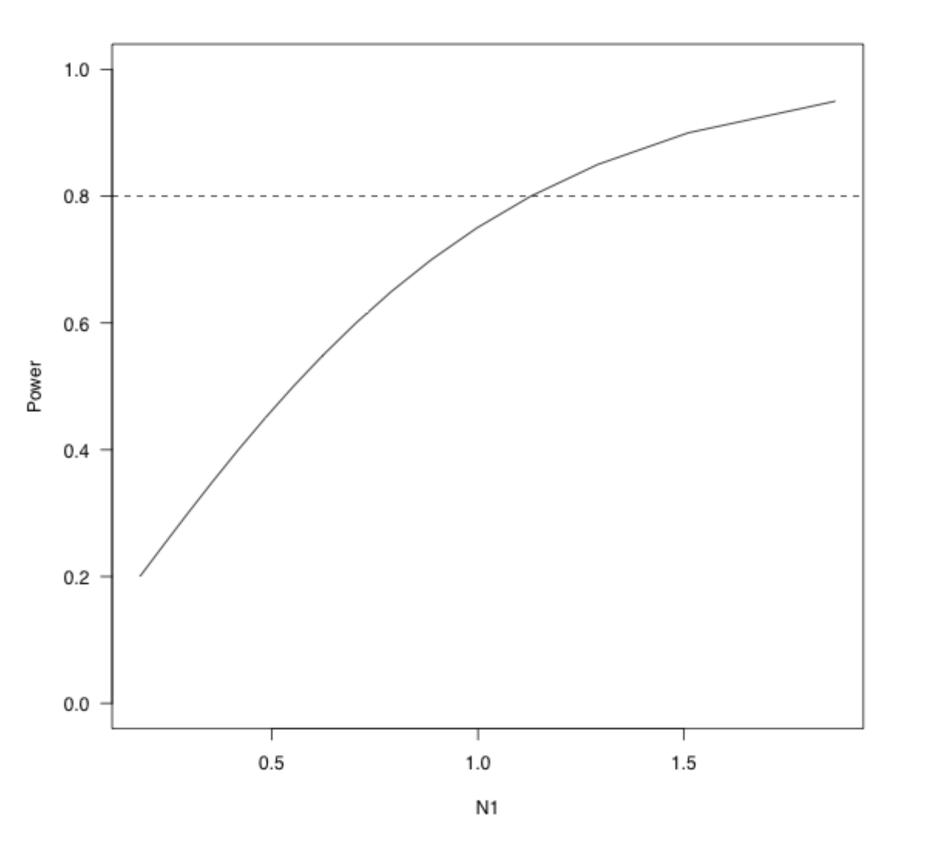
Replace with Main Title

Your Name

2017-02-28

- > #####Calculate sample size for comparison between two means#####
- > quartz(width=7, height=7); par(\lambda wd=1, las=1, family="sans", cex=1, mgp=
- > SampleMean(0.01205, 0.00323, 0.05, 0.80, 2, 1)

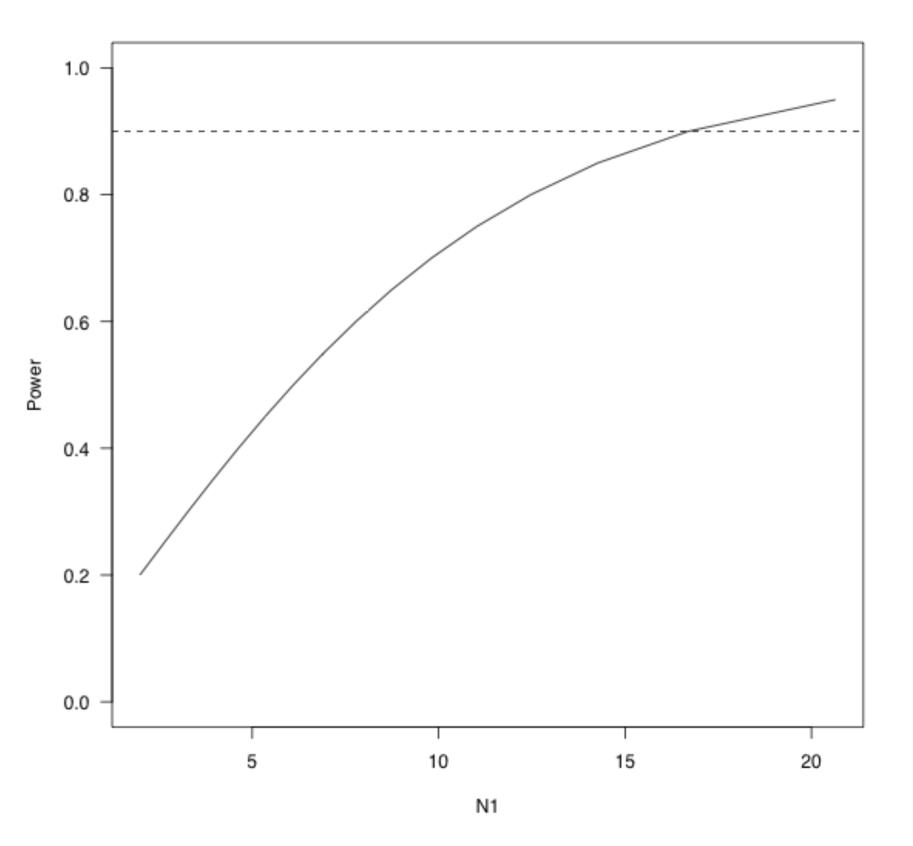


| Difference in means Standard deviation Alpha Power N2/N1 | Assumptions 0.01205 0.00323 0.05 two-sided 0.8 | | |
|--|--|--|--|
| Required sample size N1 N2 | Estimated 2 2 | | |

```
> #####Calculate sample size for comparison between two means####
```

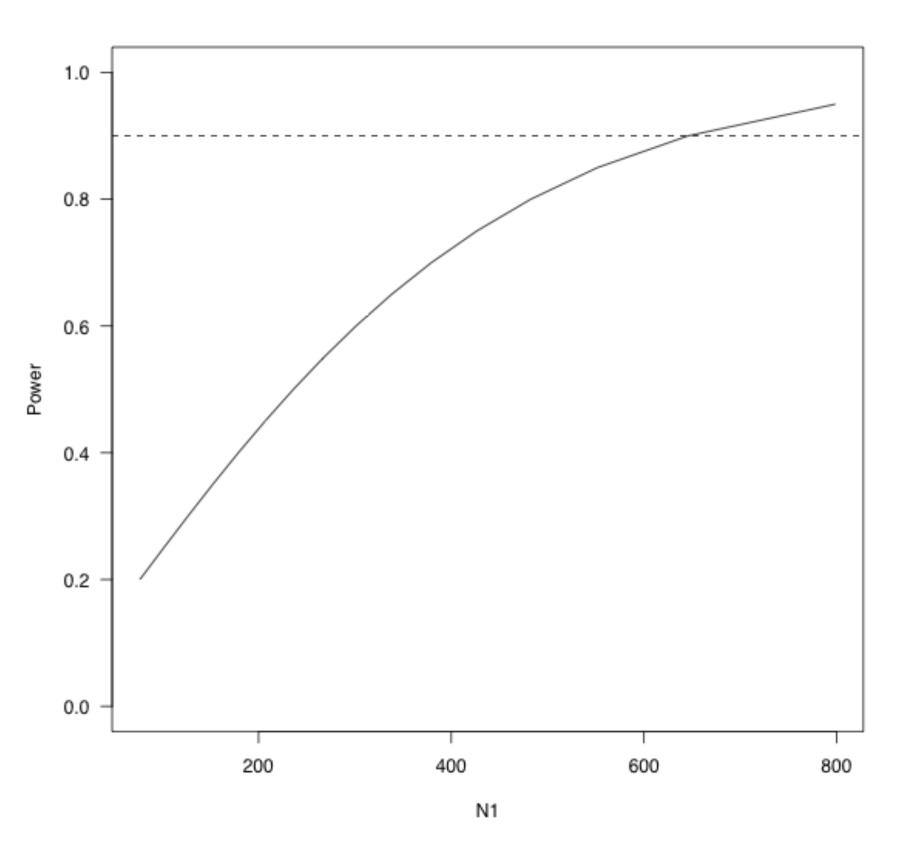
> quartz(width=7, height=7); par(lwd=1, las=1, family="sans", cex=1, mgp=

> SampleMean(0.01205, 0.01074, 0.05, 0.90, 2, 1)



| | Assumptions |
|----------------------|-------------|
| Difference in means | 0.01205 |
| Standard deviation | 0.01074 |
| Alpha | 0.05 |
| | two-sided |
| Power | 0.9 |
| N2/N1 | 1 |
| | |
| Required sample size | |
| N1 | 17 |
| N2 | 17 |

- > #####Calculate sample size for comparison between two means#####
- > quartz(width=7, height=7); par(lwd=1, las=1, family="sans", cex=1, mgp=
- > SampleMean(0.00298, 0.01652, 0.05, 0.90, 2, 1)

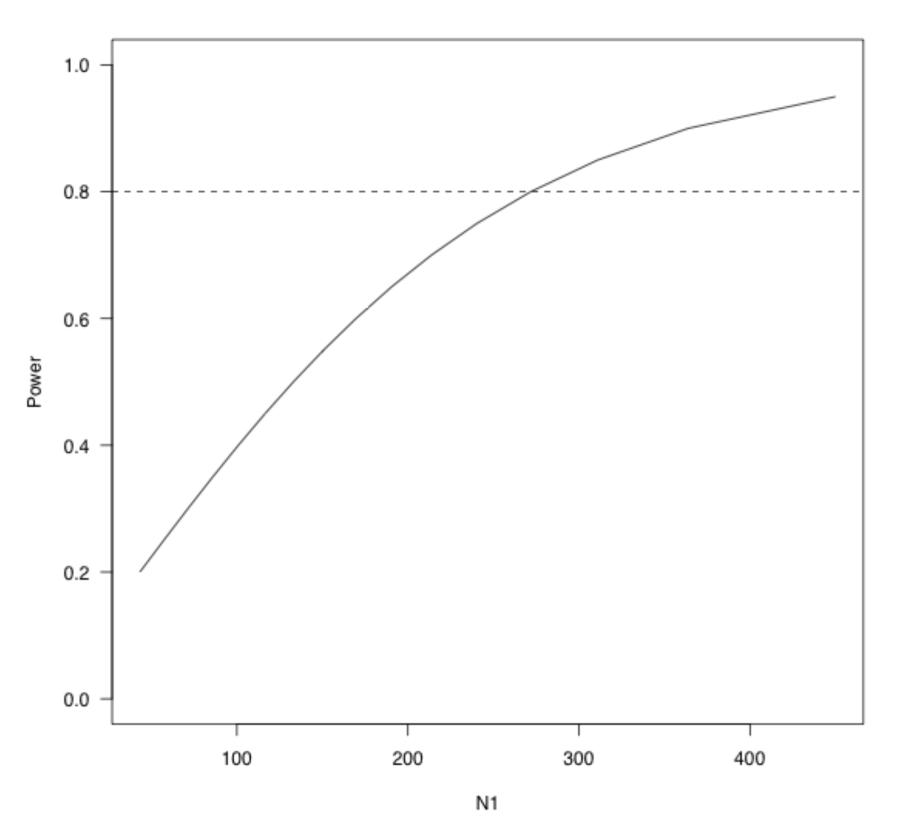


| Difference in means Standard deviation Alpha Power N2/N1 | Assumptions 0.00298 0.01652 0.05 two-sided 0.9 | 3 2 5 d 9 | ns 0.00298 n 0.01652 0.05 two-sided 0.9 | 0.00298 0.01652 0.05 wo-sided | 0.0029 0.0165 0.0 two-side | 0.00298 0.01652 0.05 two-sided | s 0.0029 0.0165 0.0 two-side | in means 0.0029 viation 0.0169 0.0 two-side | 0298 L652 0.05 ided 0.9 |
|--|--|-----------------------|---|--|-------------------------------------|---|---------------------------------------|--|-------------------------------------|
| Required sample size N1 N2 | Estimated 646 646 | 5 | 646 | 646 | 64 | 646 | 64 | 64 | 646 |

```
> #####Calculate sample size for comparison between two means####
```

> quartz(width=7, height=7); par(lwd=1, las=1, family="sans", cex=1, mgp=

> SampleMean(0.00298, 0.01240, 0.05, 0.80, 2, 1)



| ı. | | |
|----|---------------------|-------------|
| | | Assumptions |
| | Difference in means | 0.00298 |
| | Standard deviation | 0.0124 |
| | Alpha | 0.05 |
| | | two-sided |
| | Power | 0.8 |
| | N2/N1 | 1 |
| | | |
| | Required sample siz | e Estimated |
| | N1 | 272 |
| | N2 | 272 |
| | | |