## Alpha = 0.05
## Our values

| Obs | power | n | mean |
|---|---|---|---|
| 1 | 0.45309 | 10 | 20 |
| 2 | 0.61078 | 15 | 20 |
| 3 | 0.65669 | 20 | 20 |
| 4 | 0.94411 | 50 | 20 |
| 5 | 1.00000 | 100 | 20 |
| 6 | 0.87226 | 10 | 40 |
| 7 | 0.96806 | 15 | 40 |
| 8 | 0.99202 | 20 | 40 |
| 9 | 1.00000 | 50 | 40 |
| 10 | 1.00000 | 100 | 40 |
| 11 | 0.99800 | 10 | 60 |
| 12 | 1.00000 | 15 | 60 |
| 13 | 1.00000 | 20 | 60 |
| 14 | 1.00000 | 50 | 60 |
| 15 | 1.00000 | 100 | 60 |
| 16 | 1.00000 | 10 | 80 |
| 17 | 1.00000 | 15 | 80 |
| 18 | 1.00000 | 20 | 80 |
| 19 | 1.00000 | 50 | 80 |
| 20 | 1.00000 | 100 | 80 |
| 21 | 1.00000 | 10 | 100 |
| 22 | 1.00000 | 15 | 100 |
| 23 | 1.00000 | 20 | 100 |
| 24 | 1.00000 | 50 | 100 |
| 25 | 1.00000 | 100 | 100 |

# Alpha = 0.05
# Power procedure values

## The POWER Procedure
## One-Sample t Test for Mean

| Fixed Scenario Elements | |
|---|---|
| **Distribution** | Normal |
| **Method** | Exact |
| **Number of Sides** | 1 |
| **Alpha** | 0.05 |
| **Standard Deviation** | 42 |
| **Null Mean** | 0 |

| Computed Power | | | |
|---|---|---|---|
| **Index** | **Mean** | **N Total** | **Power** |
| **1** | 20 | 10 | 0.400 |
| **2** | 20 | 15 | 0.544 |
| **3** | 20 | 20 | 0.658 |
| **4** | 20 | 50 | 0.953 |
| **5** | 20 | 100 | 0.999 |
| **6** | 40 | 10 | 0.871 |
| **7** | 40 | 15 | 0.968 |
| **8** | 40 | 20 | 0.993 |
| **9** | 40 | 50 | >.999 |
| **10** | 40 | 100 | >.999 |
| **11** | 60 | 10 | 0.994 |
| **12** | 60 | 15 | >.999 |
| **13** | 60 | 20 | >.999 |
| **14** | 60 | 50 | >.999 |
| **15** | 60 | 100 | >.999 |
| **16** | 80 | 10 | >.999 |
| **17** | 80 | 15 | >.999 |
| **18** | 80 | 20 | >.999 |
| **19** | 80 | 50 | >.999 |
| **20** | 80 | 100 | >.999 |
| **21** | 100 | 10 | >.999 |
| **22** | 100 | 15 | >.999 |
| **23** | 100 | 20 | >.999 |
| **24** | 100 | 50 | >.999 |
| **25** | 100 | 100 | >.999 |

## Alpha = 0.01
## Our values

| Obs | power | n | mean |
|---|---|---|---|
| 1 | 0.17565 | 10 | 20 |
| 2 | 0.32335 | 15 | 20 |
| 3 | 0.36327 | 20 | 20 |
| 4 | 0.79641 | 50 | 20 |
| 5 | 0.99202 | 100 | 20 |
| 6 | 0.64671 | 10 | 40 |
| 7 | 0.85629 | 15 | 40 |
| 8 | 0.94411 | 20 | 40 |
| 9 | 1.00000 | 50 | 40 |
| 10 | 1.00000 | 100 | 40 |
| 11 | 0.94212 | 10 | 60 |
| 12 | 1.00000 | 15 | 60 |
| 13 | 1.00000 | 20 | 60 |
| 14 | 1.00000 | 50 | 60 |
| 15 | 1.00000 | 100 | 60 |
| 16 | 0.99601 | 10 | 80 |
| 17 | 1.00000 | 15 | 80 |
| 18 | 1.00000 | 20 | 80 |
| 19 | 1.00000 | 50 | 80 |
| 20 | 1.00000 | 100 | 80 |
| 21 | 1.00000 | 10 | 100 |
| 22 | 1.00000 | 15 | 100 |
| 23 | 1.00000 | 20 | 100 |
| 24 | 1.00000 | 50 | 100 |
| 25 | 1.00000 | 100 | 100 |

# Alpha = 0.01
# Power procedure values

## The POWER Procedure
## One-Sample t Test for Mean

| Fixed Scenario Elements | |
|---|---|
| **Distribution** | Normal |
| **Method** | Exact |
| **Number of Sides** | 1 |
| **Alpha** | 0.01 |
| **Standard Deviation** | 42 |
| **Null Mean** | 0 |

| Computed Power | | | |
|---|---|---|---|
| **Index** | **Mean** | **N Total** | **Power** |
| **1** | 20 | 10 | 0.150 |
| **2** | 20 | 15 | 0.256 |
| **3** | 20 | 20 | 0.364 |
| **4** | 20 | 50 | 0.828 |
| **5** | 20 | 100 | 0.991 |
| **6** | 40 | 10 | 0.591 |
| **7** | 40 | 15 | 0.841 |
| **8** | 40 | 20 | 0.947 |
| **9** | 40 | 50 | >.999 |
| **10** | 40 | 100 | >.999 |
| **11** | 60 | 10 | 0.930 |
| **12** | 60 | 15 | 0.996 |
| **13** | 60 | 20 | >.999 |
| **14** | 60 | 50 | >.999 |
| **15** | 60 | 100 | >.999 |
| **16** | 80 | 10 | 0.997 |
| **17** | 80 | 15 | >.999 |
| **18** | 80 | 20 | >.999 |
| **19** | 80 | 50 | >.999 |
| **20** | 80 | 100 | >.999 |
| **21** | 100 | 10 | >.999 |
| **22** | 100 | 15 | >.999 |
| **23** | 100 | 20 | >.999 |
| **24** | 100 | 50 | >.999 |
| **25** | 100 | 100 | >.999 |