

The TTEST Procedure

Variable: Student_Weight (wt)

| N | Mean | Std Dev | Std Err | Minimum | Maximum |
|----|-------|---------|---------|---------|---------|
| 32 | 166.0 | 24.2494 | 4.2867 | 119.0 | 220.0 |

| Mean | 95% CL Mean | | Std Dev | 95% CL Std Dev | |
|-------|----------------|-------|---------|----------------|---------|
| 166.0 | 157.2 | 174.7 | 24.2494 | 19.4408 | 32.2390 |

| DF | t Value | Pr > t |
|----|---------|---------|
| 31 | 6.06 | <.0001 |

Cohens D

| Obs | mean | stdev | cohens_d |
|-----|---------|---------|----------|
| 1 | 165.969 | 24.2494 | 1.07090 |

Power Analysis default Null

The POWER Procedure One-Sample t Test for Mean

| Fixed Scenario Elements | |
|-------------------------|--------|
| Distribution | Normal |
| Method | Exact |
| Mean | 166 |
| Standard Deviation | 24.24 |
| Total Sample Size | 32 |
| Number of Sides | 2 |
| Null Mean | 0 |
| Alpha | 0.05 |

| Computed Power |
|----------------|
| Power |
| >.999 |

Power Analysis Hypothesized population mean=140

The POWER Procedure One-Sample t Test for Mean

| Fixed Scenario Elements | |
|-------------------------|--------|
| Distribution | Normal |
| Method | Exact |
| Null Mean | 140 |
| Mean | 166 |
| Standard Deviation | 24.24 |
| Total Sample Size | 32 |
| Number of Sides | 2 |
| Alpha | 0.05 |

| Computed Power |
|----------------|
| Power |
| >.999 |

N Analysis Hypothesized population mean=166

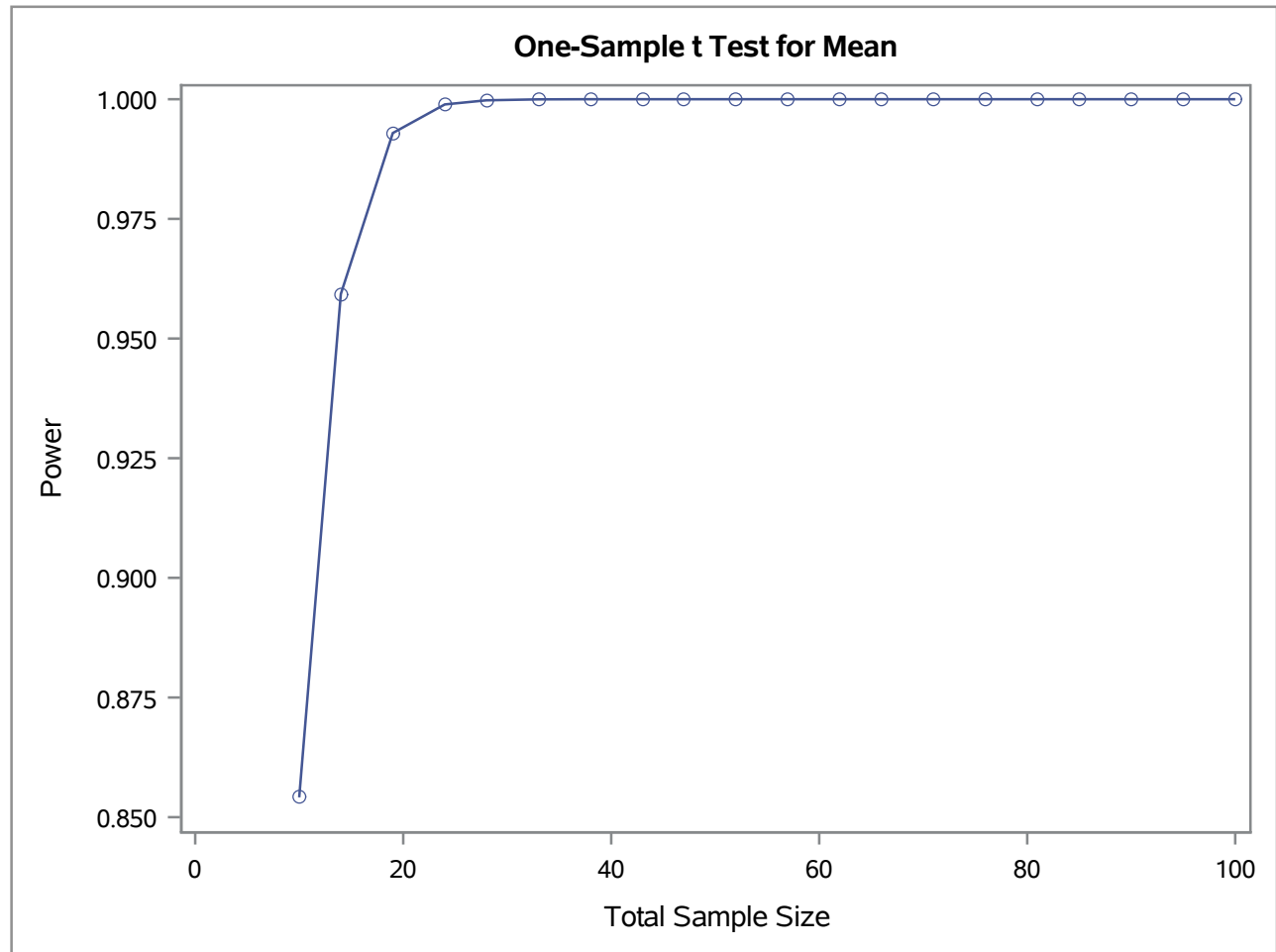
The POWER Procedure One-Sample t Test for Mean

| Fixed Scenario Elements | |
|-------------------------|--------|
| Distribution | Normal |
| Method | Exact |
| Mean | 166 |
| Standard Deviation | 24.24 |
| Nominal Power | 0.99 |
| Number of Sides | 2 |
| Null Mean | 0 |
| Alpha | 0.05 |

| Computed N Total | |
|------------------|---------|
| Actual Power | N Total |
| >.999 | 3 |

N Analysis Hypothesized population mean=166

The POWER Procedure One-Sample t Test for Mean



Summary of observations

| Obs | Student_Weight |
|-----|----------------|
| 1 | 150.000 |
| 2 | 160.000 |
| 3 | 172.000 |
| 4 | 195.000 |
| 5 | 119.000 |