

Caleb McWhorter

Minitab HW #2

One-Sample T: Rings

Variable	N	Mean	StDev	SE Mean	97% CI
Rings	4177	9.9337	3.2242	0.0499	(9.8254, 10.0420)

One-Sample T: Rings

Test of $\mu = 10$ vs > 10

Variable	N	Mean	StDev	SE Mean	97% Lower Bound	T	P
Rings	4177	9.9337	3.2242	0.0499	9.8398	-1.33	0.908

Two-Sample T-Test and CI: Whole Weight_F, Whole Weight_M

Two-sample T for Whole Weight_F vs Whole Weight_M

	N	Mean	StDev	SE Mean
Whole Weight_F	1307	1.047	0.430	0.012
Whole Weight_M	1528	0.991	0.471	0.012

Difference = μ (Whole Weight_F) - μ (Whole Weight_M)

Estimate for difference: 0.0551

97% CI for difference: (0.0183, 0.0918)

T-Test of difference = 0 (vs \neq): T-Value = 3.25 P-Value = 0.001 DF = 2820

Two-Sample T-Test and CI: Whole Weight_F, Whole Weight_M

Two-sample T for Whole Weight_F vs Whole Weight_M

	N	Mean	StDev	SE Mean
Whole Weight_F	1307	1.047	0.430	0.012
Whole Weight_M	1528	0.991	0.471	0.012

Difference = μ (Whole Weight_F) - μ (Whole Weight_M)

Estimate for difference: 0.0551

97% CI for difference: (0.0181, 0.0921)

T-Test of difference = 0 (vs \neq): T-Value = 3.23 P-Value = 0.001 DF = 2833

Both use Pooled StDev = 0.4525

One-Sample T: Difference

Test of $\mu = 0$ vs $\neq 0$

Variable	N	Mean	StDev	SE Mean	97% CI	T	P
Difference	4177	0.38448	0.08865	0.00137	(0.38150, 0.38745)	280.31	0.000