



MSC703

Testing of
One Sample T-test
Independent Sample T-test

Submitted by
Khalad Saiful
ID: 23174026

Testing of One Sample T-test

```
T-TEST  
  /TESTVAL=25  
  /MISSING=ANALYSIS  
  /VARIABLES=Age  
  /CRITERIA=CI (.95) .
```

→ T-Test

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Age	47	29.96	8.755	1.277

One-Sample Test

Test Value = 25

	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Age	3.882	46	.000	4.957	2.39	7.53

Testing of Independent Sample T-test

```
T-TEST GROUPS=Newgender(1 2)
/MISSING=ANALYSIS
/VARIABLES=Age
/CRITERIA=CI(.95).
```

→ T-Test

Group Statistics

	Newgender	N	Mean	Std. Deviation	Std. Error Mean
Age	1.00	30	29.90	8.531	1.558
	2.00	16	30.19	9.697	2.424

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
Age	Equal variances assumed	.333	.567	-.104	44	.918	-.288	2.769	-5.869	5.294
	Equal variances not assumed			-.100	27.516	.921	-.288	2.881	-6.195	5.620