

```
T-TEST
GROUPS = male(1 0)
/MISSING = ANALYSIS
/VARIABLES = internet
/CRITERIA = CI(.95) .
```

T-Test

[DataSet4] C:\Documents and Settings\kuce625\Desktop\K300_Survey.sav

Group Statistics

	male	N	Mean	Std. Deviation	Std. Error Mean
internet	male	8	8.2500	2.76457	.97742
	female	14	8.2857	2.55489	.68282

Independent Samples Test

		Levene's Test for Equality of Variances	
		F	Sig.
internet	Equal variances assumed	.113	.741
	Equal variances not assumed		

Question 9.

1) output.

2)

3) Do not reject H_0

4) $F = \frac{2.76457^2}{2.55489^2} \sim F(7, 13)$

...

5) ...

Independent Samples Test

		t-test for Equality of Means			
		t	df	Sig. (2-tailed)	Mean Difference
internet	Equal variances assumed	-.031	20	.976	-.03571
	Equal variances not assumed	-.030	13.738	.977	-.03571

5) Do not reject H_0

$$t = \frac{\bar{x}_1 - \bar{x}_2}{S_{x_1 - x_2}} = \frac{8.25 - 8.2857}{1.16570} = -.031$$

from next page

6) - - -

7) - - -

Independent Samples Test

		t-test for Equality of Means		
		Std. Error Difference	95% Confidence Interval of the Difference	
			Lower	Upper
internet	Equal variances assumed	1.16570	-2.46733	2.39590
	Equal variances not assumed	1.19231	-2.59755	2.52612

$$8) S_{\bar{x}_1 - \bar{x}_2} = S_{\text{pooled}} \sqrt{\frac{1}{n_1} + \frac{1}{n_2}} = S_{\text{pooled}} \sqrt{\frac{1}{8} + \frac{1}{14}}$$

$$S_{\text{pooled}}^2 = \frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{n_1 + n_2 - 2} \quad \text{in formula from page 1}$$

$$= \frac{(8-1)2.76457^2 + (14-1)2.55485^2}{8 + 14 - 2}$$

$$= 6.9178$$

$$9) S_{\bar{x}_1 - \bar{x}_2} = \sqrt{6.9178} \sqrt{\frac{1}{8} + \frac{1}{14}} = 1.1656987$$

⋮
⋮
⋮
⋮