Appendix

T-Test

1. [DataSet1] comparison of sex

Group Statistics

				Std.	Std. Error
	Sex	N	Mean	Deviation	Mean
FIB	1	262	4.6411	1.62904	.10064
	2	108	4.1834	1.55588	.14971

Independent samples test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F Sig.		t	df
FIB	Equal variances assumed	1.598	.207	2.489	368
	Equal variances not assumed			2.537	208.131

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.013	.45764	.18389	
	Equal variances not assumed	.012	.45764	.18040	

		t-test for Equality of Means 95% Confidence Interval of the Difference		
FIB	Equal variances assumed	.09604	.81925	
	Equal variances not assumed	.10200	.81328	

2. Comparison of age

T-Test

Group statistics

	年龄 分组	N	Mean	Std. Deviation	Std. Error Mean
FIB	1.00	206	4.5134	1.71259	.11932
	2.00	164	4.5000	1.49928	.11707

		Levine's Test for Equality of Variances		t-test for Equality of Means	
		F Sig.		t	df
FIB	Equal variances assumed	.963	.327	.079	368
	Equal variances not assumed			.080	364.657

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.937	.01345	.16970	
	Equal variances not assumed	.936	.01345	.16716	

Independent samples test

		t-test for Equality of Mean	
		95% Confider the Diff	nce Interval of ference
		Lower	Upper
FIB	Equal variances assumed	32026	.34715
	Equal variances not assumed	31528	.34217

3. Comparison of histological type

Oneway

[DataSet1]		
1=Small cell carcinoma	2=Squamous carcinoma	3=Adenocarcinoma

4=0thers

Report

FIB						
病理 类型	Mean	N	Std. Deviation			
1	4.4685	33	1.52497			
2	4.8278	90	1.50124			
3	4.1473	180	1.29542			
4	5.0642	67	2.26600			
Total	4.5075	370	1.61939			

ANOVA

FIB

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	53.402	3	17.801	7.126	.000
Within Groups	914.272	366	2.498		
Total	967.674	369			

Post hoc tests

Multiple comparisons

FIB

LSD

<u>Histol type</u>				95% Confide	95% Confidence Interval		
<u>ogical</u>	Mean						
	Difference		1	Lower	Upper		
	(I-J)	Std. Error	Sig.	Bound	Bound		
1 2	35929	.32164	.265	9918	.2732		
3	.32121	.29929	.284	2673	.9098		
4	59569	.33613	.077	-1.2567	.0653		
2 1	.35929	.32164	.265	2732	.9918		
3	.68050*	.20404	.001	.2793	1.0817		
4	23640	.25503	.355	7379	.2651		

3	1	32121	.29929	.284	9098	.2673
	2	68050*	.20404	.001	-1.0817	2793
	4	91690*	.22619	.000	-1.3617	4721
4	1	.59569	.33613	.077	0653	1.2567
	2	.23640	.25503	.355	2651	.7379
	3	.91690*	.22619	.000	.4721	1.3617

*. The mean difference is significant at the 0.05 level.

4. Comparison of node or distant organ metastases

Group Statistics						
	node					
	or					
	distan					
	t					
	organ					
	metas			Std.	Std. Error	
	tases	Ν	Mean	Deviation	Mean	
FIB	1	302	4.6651	1.62968	.09378	
	0	68	3.8074	1.37909	.16724	

Inde	Independent Samples Test						
		Levene's Test for Equality of Variances		t-test for Equality o Means			
					_		
		F	Sig.	t	df		
FIB	Equal variances assumed	3.238	.073	4.027	368		
	Equal variances not assumed			4.474	113.265		

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.000	.85778	.21302	
	Equal variances not assumed	.000	.85778	.19174	

Independent Samples Test

		t-test for Equality of Means		
		95% Confidence Interva the Difference		
		Lower	Upper	
FIB	Equal variances assumed	.43889	1.27667	
	Equal variances not assumed	.47792	1.23764	

5. Comparison of stage of lung cancer

Group Statistics

	Lung cancer stage	N	Mean	Std. Deviation	Std. Error Mean
FIB	<u>Local</u> (stage I -IIIA)	194	4.2552	1.68249	.12080
	Local (stage IIIB-IV)	143	4.8588	1.49380	.12492

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
FIB	Equal variances assumed	.184	.668	-3.412	335
	Equal variances not assumed			-3.474	323.567

Independent samples test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.001	60366	.17692	
	Equal variances not assumed	.001	60366	.17377	

		t-test for Equality of Means 95% Confidence Interval of the Difference		
FIB	Equal variances assumed	95167	25564	
	Equal variances not assumed	94552	26179	

6. Comparison of stage of small cell lung cancer

Group Statistics

	SCLC 分期	N	Mean	Std. Deviation	Std. Error Mean
FIB	Limite d	11	4.2727	1.21003	.36484
	Exten sive	22	4.5664	1.67819	.35779

Independent samples test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
FIB	Equal variances assumed	5.015	.032	515	31
	Equal variances not assumed			575	26.717

		t-test for Equality of Means				
		Sig. (2-tailed)	Mean Difference	Std. Error Difference		
FIB	Equal variances assumed	.610	29364	.56971		
	Equal variances not assumed	.570	29364	.51100		

		t-test for Equality of Means		
		95% Confidence Interval the Difference		
		Lower	Upper	
FIB	Equal variances assumed	-1.45556	.86829	
	Equal variances not assumed	-1.34264	.75537	

7. Comparison of stage of distant organ metastases

-	ur oup statistics					
	Distan t					
	metas			Std.	Std. Error	
	tases	Ν	Mean	Deviation	Mean	
FIB	Dista nt metas	165	4.7010	1.50050	.11681	
	tases <u>no</u> <u>metas</u>	205	4.3517	1.69670	.11850	
	<u>lases</u>					

Group statistics

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
FIB	Equal variances assumed	.576	.448	2.072	368
	Equal variances not assumed			2.099	364.715

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.039	.34932	.16862	
	Equal variances not assumed	.036	.34932	.16640	

Independent samples test

		t-test for Equality of Mean 95% Confidence Interval of the Difference	
		Lower	Upper
FIB	Equal variances assumed	.01775	.68090
	Equal variances not assumed	.02210	.67654

8. Comparison of brain metastases

Group statistics

	是否				
	转移			Std.	Std. Error
	_A	Ν	Mean	Deviation	Mean
FIB	1	53	4.4234	1.23372	.16946
	0	317	4.5215	1.67643	.09416

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
FIB	Equal variances assumed	6.453	.011	408	368
	Equal variances not assumed			506	87.687

Independent samples test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.684	09815	.24059	
	Equal variances not assumed	.614	09815	.19387	

		t-test for Equality of Mean 95% Confidence Interval o the Difference	
		Lower	Upper
FIB	Equal variances assumed	57125	.37495
	Equal variances not assumed	48344	.28714

9. Comparison of bone metastases

Group statistics

	Bone metas tases	N	Mean	Std. Deviation	Std. Error Mean
FIB	metas tases	113	4.6180	1.51420	.14244
	no metas tases	257	4.4589	1.66407	.10380

Independent samples test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
FIB	Equal variances assumed	.439	.508	.870	368
	Equal variances not assumed			.902	233.702

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	
FIB	Equal variances assumed	.385	.15905	.18285	
	Equal variances not assumed	.368	.15905	.17625	

		t-test for Equality of Means 95% Confidence Interval of the Difference	
		Lower	Upper
FIB	Equal variances assumed	20050	.51861
	Equal variances not assumed	18819	.50630