

Univariate Analysis of Variance

Notes

Output Created	25-JAN-2021 20:16:34	
Comments		
Input	Data	D:\ELEX2020\2020-2021\DATA\Input\Data 6.3.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	25
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax	UNIANOVA Keasaman BY Kuantitas Posisi Waktu /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /POSTHOC=Kuantitas Posisi Waktu(SCHEFFE) /PLOT=PROFILE(Posisi*Waktu*Kuantitas) TYPE=LINE ERRORBAR=NO MEANREFERENCE=NO YAXIS=AUTO /CRITERIA=ALPHA(.05) /DESIGN=Kuantitas Posisi Waktu.	
Resources	Processor Time	00:00:00.74
	Elapsed Time	00:00:00.45

Between-Subjects Factors

		Value Label	N
Banyaknya es krim saat dibekukan	1	1	5
	2	2	5
	3	3	5
	4	4	5
	5	5	5
Penempatan es krim	1	1	5
	2	2	5
	3	3	5
	4	4	5
	5	5	5
Waktu pembekuan	1	1	5
	2	2	5
	3	3	5
	4	4	5
	5	5	5

Tests of Between-Subjects Effects

Dependent Variable: Tingkat keasaman es krim

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	65.261 ^a	12	5.438	9.960	.000
Intercept	1876.276	1	1876.276	3436.281	.000
Kuantitas	18.778	4	4.694	8.597	.002
Posisi	2.348	4	.587	1.075	.411
Waktu	44.136	4	11.034	20.208	.000
Error	6.552	12	.546		
Total	1948.089	25			
Corrected Total	71.814	24			

a. R Squared = .909 (Adjusted R Squared = .818)

Post Hoc Tests

Banyaknya es krim saat dibekukan

Multiple Comparisons

Dependent Variable: Tingkat keasaman es krim

Scheffe

(I) Banyaknya es krim saat dibekukan	(J) Banyaknya es krim saat dibekukan	Mean Difference (I-J)	Std. Error	Sig.		
1	2	1.3480	.46734	.147		
	3	-.2760	.46734	.985		
	4	-1.3680	.46734	.138		
	5	-.2000	.46734	.995		
2	1	-1.3480	.46734	.147		
	3	-1.6240	.46734	.061		
	4	-2.7160*	.46734	.002		
	5	-1.5480	.46734	.079		
3	1	.2760	.46734	.985		
	2	1.6240	.46734	.061		
	4	-1.0920	.46734	.303		
	5	.0760	.46734	1.000		
4	1	1.3680	.46734	.138		
	2	2.7160*	.46734	.002		
	3	1.0920	.46734	.303		
	5	1.1680	.46734	.247		
5	1	.2000	.46734	.995		
	2	1.5480	.46734	.079		
	3	-.0760	.46734	1.000		
	4	-1.1680	.46734	.247		

Homogeneous Subsets

Tingkat keasaman es krim

Scheffe^{a,b}

Banyaknya es krim saat N Subset

dibekukan		1	2
2	5	7.2160	
1	5	8.5640	8.5640
5	5	8.7640	8.7640
3	5	8.8400	8.8400
4	5		9.9320
Sig.		.061	.138

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .546.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Alpha = .05.

Penempatan es krim

Multiple Comparisons

Dependent Variable: Tingkat keasaman es krim

Scheffe

(I) Penempatan es krim	(J) Penempatan es krim	Mean Difference (I-J)	Std. Error	Sig.		
1	2	.6180	.46734	.779		
	3	.0380	.46734	1.000		
	4	.7640	.46734	.626		
	5	.2640	.46734	.987		
2	1	-.6180	.46734	.779		
	3	-.5800	.46734	.815		
	4	.1460	.46734	.999		
	5	-.3540	.46734	.962		
3	1	-.0380	.46734	1.000		
	2	.5800	.46734	.815		
	4	.7260	.46734	.668		
	5	.2260	.46734	.993		
4	1	-.7640	.46734	.626		
	2	-.1460	.46734	.999		
	3	-.7260	.46734	.668		

	5		-.5000	.46734	.881		
5	1		-.2640	.46734	.987		
	2		.3540	.46734	.962		
	3		-.2260	.46734	.993		
	4		.5000	.46734	.881		

Homogeneous Subsets

Tingkat keasaman es krim

Scheffe^{a,b}

Penempatan es krim	N	Subset
		1
4	5	8.2360
2	5	8.3820
5	5	8.7360
3	5	8.9620
1	5	9.0000
Sig.		.626

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .546.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Alpha = .05.

Waktu pembekuan

Multiple Comparisons

Dependent Variable: Tingkat keasaman es krim

Scheffe

1	2	3	4	5

pembekuan	pembekuan	Difference (I-J)	Error		
1	2	.1500	.46734	.999	
	3	.9800	.46734	.401	
	4	-2.8100*	.46734	.001	
	5	.4840	.46734	.893	
2	1	-.1500	.46734	.999	
	3	.8300	.46734	.554	
	4	-2.9600*	.46734	.001	
	5	.3340	.46734	.969	
3	1	-.9800	.46734	.401	
	2	-.8300	.46734	.554	
	4	-3.7900*	.46734	.000	
	5	-.4960	.46734	.884	
4	1	2.8100*	.46734	.001	
	2	2.9600*	.46734	.001	
	3	3.7900*	.46734	.000	
	5	3.2940*	.46734	.000	
5	1	-.4840	.46734	.893	
	2	-.3340	.46734	.969	
	3	.4960	.46734	.884	
	4	-3.2940*	.46734	.000	

Homogeneous Subsets

Tingkat keasaman es krim

Scheffe^{a,b}

Waktu pembekuan	N	Subset	
		1	2
3	5	7.4440	
5	5	7.9400	
2	5	8.2740	
1	5	8.4240	
4	5		11.2340
Sig.		.401	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .546.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Alpha = .05.

Profile Plots

Penempatan es krim * Waktu pembekuan * Banyaknya es krim saat dibekukan





