E. ANOVA para parámetros de color de las películas comestibles (MAG, MPG y Q) (α=0.05)

L

One-way ANOVA: Lh versus Película

Analysis of Variance for Lh

Source	DF	SS	MS	F	P
Película	8	20255.83	2531.98	409.03	0.000
Error	72	445.70	6.19		
Total	80	20701.53			

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	--+---------+---------+---------+----
MAG 40	9	59.242	3.367	(*-)
MAG 50	9	53.761	2.861	(*)
MAG 60	9	50.649	3.521	(*)
MPG 40	9	56.243	2.651	(*-)
MPG 50	9	50.453	2.519	(*)
MPG 60	9	44.896	2.371	(*)
Q 40	9	86.421	0.689	(*)
Q 50	9	85.732	1.542	(*)
Q 60	9	83.096	1.397	(*)

--+---------+---------+---------+----

Pooled StDev = 2.488 45 60 75 90

a

One-way ANOVA: ah versus Película

Analysis of Variance for ah

Source	DF	SS	MS	F	P
Película	8	7.1802	0.8975	10.71	0.000
Error	72	6.0344	0.0838		
Total	80	13.2146			

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	--+---------+---------+---------+----
MAG 40	9	5.2700	0.1365	(--*---)
MAG 50	9	5.0311	0.2475	(---*--)
MAG 60	9	4.6378	0.3712	(---*---)
MPG 40	9	4.9778	0.2491	(---*--)
MPG 50	9	5.2622	0.2576	(---*---)
MPG 60	9	5.2711	0.1987	(--*---)
Q 40	9	5.1900	0.1824	(---*---)
Q 50	9	5.3522	0.2796	(---*---)
Q 60	9	5.8056	0.5072	(---*---)

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Pooled StDev = 0.2895 4.50 5.00 5.50 6.00

b

One-way ANOVA: bh versus Película

Analysis of Variance for bh

Source	DF	SS	MS	F	P
Película	8	2912.392	364.049	1015.97	0.000
Error	72	25.799	0.358		
Total	80	2938.191			

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	---------+---------+---------+-------
MAG 40	9	12.108	0.721	(*)
MAG 50	9	12.372	1.035	(*)
MAG 60	9	12.750	0.147	(*
MPG 40	9	15.497	0.471	(*)
MPG 50	9	15.987	0.650	(*)
MPG 60	9	15.607	0.921	(*)
Q 40	9	1.378	0.149	(*)
Q 50	9	1.530	0.270	(*)
Q 60	9	2.098	0.155	(*)

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Pooled StDev = 0.599 5.0 10.0 15.0

Saturación (C)

One-way ANOVA: Saturación (C) versus Película

Analysis of Variance for Saturaci

Source	DF	SS	MS	F	P
Película	8	1679.654	209.957	674.31	0.000
Error	72	22.418	0.311		
Total	80	1702.072			

Individual 95% CIs For Mean Based on Pooled StDev

Level	N	Mean	StDev	------+---------+---------+---------+
MAG 40	9	13.211	0.605	(*)
MAG 50	9	13.371	0.879	(*)
MAG 60	9	13.571	0.206	(*)
MPG 40	9	16.279	0.390	(-*)
MPG 50	9	16.837	0.549	(*)
MPG 60	9	16.476	0.869	(*)
Q 40	9	5.370	0.194	(*)
Q 50	9	5.571	0.326	(*)
Q 60	9	6.174	0.517	(*)

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Pooled StDev = 0.558 7.0 10.5 14.0 17.5

Tono (h)

One-way ANOVA: Tono (h) versus Película

Analysis of Variance for Tono (h)

Source	DF	SS	MS	F	P
Película	8	50931.33	6366.42	2224.17	0.000
Error	72	206.09	2.86		
Total	80	51137.42			

Individual 95% CIs For Mean
Based on Pooled StDev

Level	N	Mean	StDev	----+---------+---------+---------+--
MAG 40	9	66.397	1.816	*)
MAG 50	9	67.709	2.619	(*
MAG 60	9	70.026	1.450	(*)
MPG 40	9	72.161	1.272	*)
MPG 50	9	71.734	1.482	(*
MPG 60	9	71.281	1.266	(*
Q 40	9	14.876	1.474	*)
Q 50	9	15.866	2.138	(*
Q 60	9	19.923	1.160	(*)

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Pooled StDev = 1.692 20 40 60 80