

Soient les résultats d'un individu

dont la fonction d'utilité est :

Constante	Beau	Laid	Riche	Pauvre	Intelligent	Stupide	Bonne	Mauvaise
6.656	-0.094	0.094	-0.156	0.156	0.281	-0.281	0.969	-0.969

et les informations fournies par SAS sont :

Univariate ANOVA Table Based on the Usual Degrees of Freedom

Preference	Measurement Type	Mean Square	Degrees of Freedom	F	Pr > F	Adjusted R Squared
N_..._2	Metric	19.6875	4, 11	30.13043	<.0001	0.88595
N_..._1	Metric	20.6250	4, 11	13.15217	0.0004	0.76418
N_..._3	Metric	24.3125	4, 11	21.395	<.0001	0.84469
N_..._3	Metric	26.0156	4, 11	77.93617	<.0001	0.95352
<b>N_I5_1105_2_Test</b>	Metric	4.2031	4, 11	1.678389	0.2245	0.15319
N_..._2	Metric	25.0625	4, 11	22.62051	<.0001	0.85219
N_..._2	Metric	25.8125	4, 11	89.07843	<.0001	0.95916
N_..._1	Metric	29.3750	4, 11	143.6111	<.0001	0.97438
N_..._3	Metric	32.3750	4, 11	54.78846	<.0001	0.93483
N_..._3	Metric	24.3750	4, 11	28.22368	<.0001	0.87893
N_..._1	Metric	38.4375	4, 11	105.7031	<.0001	0.96542
N_..._3	Metric	15.1875	4, 11	11.1375	0.0007	0.72997

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Cste	Apparence		Richesse		Intelligence		Santé		$\hat{Y}$	Y	$(Y - \hat{Y})^2$
	Beau	Laid	Riche	Pauvre	Intel.	Stupide	Bonne	Mauv.			
1	1	0	1	0	1	0	0	1	5.72	5.00	0.5166
1	1	0	1	0	1	0	1	0	7.66	9.50	3.3994
1	1	0	1	0	0	1	0	1	5.16	5.00	0.0244
1	1	0	1	0	0	1	1	0	7.09	8.00	0.8213
1	1	0	0	1	1	0	0	1	6.03	5.00	1.0635
1	1	0	0	1	1	0	1	0	7.97	8.50	0.2822
1	1	0	0	1	0	1	0	1	5.47	5.00	0.2197
1	1	0	0	1	0	1	1	0	7.41	6.50	0.8213
1	0	1	1	0	1	0	0	1	5.91	5.00	0.8213
1	0	1	1	0	1	0	1	0	7.84	8.50	0.4307
1	0	1	1	0	0	1	0	1	5.34	5.00	0.1182
1	0	1	1	0	0	1	1	0	7.28	6.00	1.6416
1	0	1	0	1	1	0	0	1	6.22	6.00	0.0479
1	0	1	0	1	1	0	1	0	8.16	8.00	0.0244
1	0	1	0	1	0	1	0	1	5.66	9.50	14.7744
1	0	1	0	1	0	1	1	0	7.59	6.00	2.5400

6.656 -0.094 0.094 -0.156 0.156 0.281 -0.281 0.969 -0.969

$SCR_A = 27.547$

$dl_a = 11 = n - k + c = 16 - 9 + 4$

$SCR_0 = 44.359$

$dl_0 = 15 = n - 1$

$$F = \frac{SCR_0 - SCR_A / dl_0 - dl_A}{SCR_A / dl_A}$$

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