

# Análisis de la producción y aplicación de programas audiovisuales didácticos

Antonio Bartolomé Pina

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**Análisis de la Producción y Aplicación  
de Programas Audiovisuales Didácticos**

**Tomo 3**

**ANEXOS - II**

**Antonio R. Bartolomé Pina**

**Anexo 2.10**

**(cap. 4.5)**

**Análisis resultados TIR.3**

**- Tablas de datos y salidas de ordenador.**

	TV	Im	Ve	TOTAL	C1	C2	C3	C4
1	0	5	7	12	0	1	1	2
2	0	8	9	17	1	1	1	200
3	0	4	6	10	1	1	0	1
4	0	3	3	6	0	1	0	1
5	0	5	9	14	1	1	1	1
6	0	5	6	11	0	1	1	1
7	0	4	7	11	1	1	0	1
8	0	3	4	7	1	0	0	1
9	0	7	6	13	1	1	0	1
10	0	7	9	16	1	1	1	1
11	0	5	3	8	0	1	0	1
12	0	2	5	7	1	1	0	0
13	0	9	9	18	1	1	1	1
14	0	8	9	17	1	1	0	1
15	0	8	9	17	1	1	1	1
16	0	6	6	12	0	0	1	1
17	0	7	8	15	1	1	0	1
18	0	7	9	16	1	1	0	1
19	0	5	7	12	0	1	1	1
20	0	7	7	14	0	1	1	1
21	0	6	8	14	1	1	0	1
22	0	5	3	8	1	1	0	1
23	0	6	5	11	0	1	1	1
24	0	3	3	6	1	0	0	1
25	0	5	3	8	0	0	0	1
26	0	5	5	10	1	1	0	1
27	0	3	6	9	0	1	1	1
28	0	5	6	11	1	1	0	1
29	0	7	7	14	1	1	0	1
30	0	4	4	8	0	1	0	1
31	0	4	6	10	0	1	0	1
32	0	6	4	10	0	1	1	1
33	0	3	4	7	1	1	0	1
34	0	5	3	8	0	1	0	0
35	0	5	5	10	0	1	0	1
36	0	6	5	11	1	1	0	1
37	0	5	3	8	0	1	0	1
38	0	6	5	11	0	1	1	1
39	0	6	4	10	0	1	1	1
40	0	3	5	8	1	1	0	0
41	1	5	7	12	1	1	0	1
42	1	6	7	13	1	0	1	1
43	1	7	9	16	1	1	1	1
44	1	5	6	11	1	1	0	0
45	1	5	6	11	0	1	0	1
46	1	5	8	13	1	1	1	1
47	1	5	7	12	1	1	1	1
48	1	7	6	13	1	1	0	1
49	1	6	4	10	0	1	0	1
50	1	6	6	12	0	1	0	1
51	1	8	4	12	0	1	0	1
52	1	5	5	10	1	1	0	1
53	1	5	5	10	0	1	0	1
54	1	8	8	16	1	1	0	1
55	1	8	5	13	1	1	0	1
56	1	6	5	11	1	1	0	1
57	1	3	2	5	0	1	0	0
58	1	4	5	9	0	1	0	1
59	1	5	2	7	0	1	0	1
60	1	7	6	13	1	1	0	1
61	1	2	4	6	1	1	0	1
62	1	7	6	13	1	1	0	1
63	1	5	4	9	0	1	0	1
64	1	7	9	16	1	1	1	1

	C5	C6	C7	C8	C9	C10	C11	C12
1	1	1	1	1	1	0	0	1
2	0	1	1	1	1	0	2 1	1
3	0	1	0	1	1	0	1 201	0
4	0	1	0	0	0	1	0	0
5	1	1	1	1	1	1	0	1
6	1	1	0	1	1	0	0	1
7	0	1	1	1	1	0	0	1
8	0	1	0	0	1	0	0	1
9	1	1	1	1	1	0	1	1
10	1	1	1	1	1	1	1	1
11	0	1	1	0	1	0	0	0
12	1	0	0	0	0	1	0	1
13	1	1	1	1	1	1	1	1
14	0	1	1	1	1	1	1	1
15	1	1	1	1	1	0	1	1
16	0	1	1	1	0	1	1	1
17	1	1	1	1	1	0	1	0
18	0	1	1	1	1	1	1	1
19	0	1	1	1	1	1	1	0
20	1	1	1	1	1	1	1	1
21	1	1	1	1	1	0	1	1
22	1	1	1	0	0	0	0	1
23	1	1	0	0	1	0	1	1
24	0	0	0	0	0	1	0	1
25	1	1	1	0	1	0	0	0
26	1	1	0	0	1	0	1	1
27	0	1	1	1	1	0	0	0
28	1	0	0	1	0	0	0	1
29	1	1	1	1	1	0	0	1
30	1	0	1	0	1	0	0	1
31	0	0	0	0	1	0	0	1
32	1	1	1	1	1	0	1	1
33	0	1	1	1	0	1	0	1
34	1	1	1	0	1	0	1	1
35	1	1	1	1	0	0	0	1
36	0	1	1	1	0	0	1	1
37	1	1	1	1	0	0	1	0
38	1	1	1	1	1	0	1	1
39	1	1	1	1	1	0	1	1
40	1	0	0	1	0	0	0	1
41	1	1	0	0	1	1	0	1
42	1	1	1	0	1	1	0	1
43	1	1	1	1	0	1	0	1
44	0	1	1	1	1	1	0	1
45	1	1	1	1	1	1	1	1
46	0	1	1	1	1	0	0	0
47	1	1	1	0	1	0	0	1
48	1	1	1	1	1	0	0	1
49	0	1	1	1	1	0	1	1
50	1	1	1	1	1	0	1	1
51	1	1	1	0	1	0	1	1
52	0	1	1	1	0	1	0	1
53	1	1	1	1	1	1	0	1
54	1	1	1	1	1	1	1	1
55	1	1	1	1	0	0	1	1
56	0	1	0	0	0	0	1	1
57	0	1	1	0	0	0	0	1
58	0	0	0	0	1	0	1	0
59	1	1	1	0	0	0	0	1
60	0	1	1	1	1	0	0	1
61	0	0	0	0	1	0	1	0
62	1	1	1	1	1	0	1	0
63	0	1	1	1	1	0	0	1
64	1	1	1	1	1	0	0	1





	TV	Im	Ve	TOTAL	C1	C2	C3	C4
65	1	0	6	12	1	1	1	1
66	1	6	9	15	1	1	0	1
67	1	6	6	12	1	1	0	1
68	1	6	8	14	1	1	0	1
69	1	5	7	12	1	1	0	1
70	1	4	5	9	1	0	1	1
71	1	6	9	15	1	1	1	1
72	1	4	4	8	0	1	0	1
73	1	6	9	15	1	1	0	1
74	1	6	5	11	1	1	0	1
75	1	5	7	12	1	1	1	1
76	1	5	6	11	1	1	0	1
77	1	3	5	8	1	1	0	1
78	1	5	6	11	0	1	1	1
79	1	4	3	7	1	1	0	1

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	C5	C6	C7	C8	C9	C10	C11	C12
65	1	1	1	1	0	0	1	1
66	1	1	1	1	1	1	0	1
67	1	1	1	1	0	0	1	1
68	1	1	1	1	1	0	1	1
69	0	1	1	1	1	0	0	1
70	0	1	1	0	1	0	0	1
71	1	1	1	1	1	1	1	1
72	1	0	0	1	1	0	0	1
73	1	1	1	1	1	1	1	1
74	0	1	0	0	0	0	1	1
75	1	1	1	1	1	0	0	1
76	0	1	1	0	1	1	0	1
77	1	1	0	1	0	0	0	0
78	0	1	1	0	1	0	0	1
79	0	1	0	0	0	0	1	1

	C13	C14	C15	C16	C17	C18	C19	Rares
65	0	1	0	0	1	0	0	6
66	1	1	0	0	1	1	1	8
67	0	1	0	0	1	1	0	7
68	1	1	0	0	1	1	0	7
69	1	0	0	0	1	1	1	6
70	0	1	0	0	1	0	0	4
71	0	1	0	0	1	1	0	8
72	0	0	0	1	0	1	0	6
73	1	1	0	0	1	1	0	8
74	0	1	0	1	1	1	1	7
75	0	0	0	0	1	1	0	6
76	0	0	0	0	1	1	1	6
77	0	0	0	0	1	1	0	5
78	1	0	0	0	1	1	1	5
79	0	0	0	0	0	1	0	5

	Impares	Im.0	Im.1	Ve.0	Ve.1	TOTAL.0	TOTAL.1
65	6						
66	7						
67	5						
68	7						
69	6						
70	5						
71	7						
72	2						
73	7						
74	4						
75	6						
76	5						
77	3						
78	6						
79	2						

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StatWorks Data Descriptive Statistics 4 - mar - 1987 20:04

Data File: ee/TIR-3

Variable: TOTAL Observations: 79

Minimum: 5,00 Maximum: 18,00

Range: 13,00 Median: 11,00

Mean: 11,27 Standard Error: 0,34

Variance: 9,25

Standard Deviation: 3,04

Coefficient of Variation: 26,99

Skewness: 0,14 Kurtosis: -0,69

StatWorks Data Normality Test 4 - mar - 1987 20:04

Data File: ee/TIR-3

Variable: TOTAL Observations: 79

Test: Normality

Statistic: 0,09

Significance: 0,217

StatWorks Data Normality Test 4 - mar - 1987 20:07\*

Data File: ee/TIR-3

Variable: TOTAL.1 Observations: 39

Test: Normality

Statistic: 0,13

Significance: 0,204

StatWorks Data Normality Test 4 - mar - 1987 20:07

Data File: ee/TIR-3

Variable: TOTAL.O Observations: 40

Test: Normality

Statistic: 0.14

Significance: 0.188

StatWorks Data Student's t Statistic 4 - mar - 1987 20:03

Data File: ee/TIR-3

Independent Samples...

Variable:	TOTAL.0	TOTAL.1
Mean:	11,12	11,41
Std. Deviation:	3,35	2,73
Observations:	40	39

t-statistic:	-0,41	Hypothesis:
Degrees of Freedom:	77	Ho: $\mu_1 = \mu_2$
Significance:	0,680	Ha: $\mu_1 \neq \mu_2$



StatWorks Data Normality Test 4 - mar - 1987 20:07

Data File: ee/TIR-3

Variable: Im.1 Observations: 39

Test: Normality

Statistic: 0,18

Significance: 0,130

StatWorks Data Normality Test 4 - mar - 1987 20:07

Data File: ee/TIR-3

Variable: Im.0 Observations: 40

Test: Normality

Statistic: . 0,15

Significance: 0,167

StatWorks Data Student's t Statistic 4 - mar - 1987 20:02

Data File: ee/TIR-3

Independent Samples...

Variable:	Im.0	Im.1
Mean:	5,32	5,49
Std. Deviation:	1,65	1,35
Observations:	40	39
t-statistic:	-0,48	Hypothesis:
Degrees of Freedom:	77	Ho: u1 = u2
Significance:	0,635	Ha: u1 # u2

StatWorks Data Normality Test 4 - mar - 1987 20:07

Data File: ee/TJR-3

Variable: Ve.1 Observations: 39

Test: Normality

Statistic: 0,15

Significance: 0,174

StatWorks Data Normality Test 4 - mar - 1987 20:07

Data File: ee/TIR-3

Variable: Ve.0 Observations: 40

Test: Normality

Statistic: 0,13

Significance: 0,212

StatWorks Data Student's t Statistic 4 - mar - 1987 20:02

Data File: ee/TIR-3

Independent Samples...

Variable:	Ve.0	Ve.1
Mean:	5,80	5,92
Std. Deviation:	2,05	1,86
Observations:	40	39
t-statistic:	-0,28	Hypothesis:
Degrees of Freedom:	77	Ho: u1 = u2
Significance:	0,781	Ha: u1 # u2

StatWorks Data Cross Tabulation 4 - mar - 1987 20:16

Chi-Square: 2,40      Phi: 0,17      Contingency  
 Significance: 0,12      Cramer's V: 0,17      Coefficient: 0,17

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
0	18 62,07 45,00 22,78	11 37,93 28,21 13,92	29 36,71
1	22 44,00 55,00 27,85	28 56,00 71,79 35,44	50 63,29
C1 Totals	40 50,63	39 49,37	79 100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:16

Chi-Square: 0,67      Phi: 0,09      Contingency  
 Significance: 0,41      Cramer's V: 0,09      Coefficient: 0,09

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	36 49,32 90,00 45,57	37 50,68 94,87 46,84	73  92,41
0	4 66,67 10,00 5,06	2 33,33 5,13 2,53	6  7,59
C2 Totals	40 50,63	39 49,37	79 100,00



## StatWorks Data Cross Tabulation 4 - mar - 1987 20:17

Chi-Square: 1,28      Phi: 0,13      Contingency  
 Significance: 0,26      Cramer's V: 0,13      Coefficient: 0,13

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	15 60,00 37,50 18,99	10 40,00 25,64 12,66	25  31,65
0	25 46,30 62,50 31,65	29 53,70 74,36 36,71	54  68,35
C3	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:17

Chi-Square: 0,19      Phi: 0,05      Contingency  
 Significance: 0,67      Cramer's V: 0,05      Coefficient: 0,05

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	37 50,00 92,50 46,84	37 50,00 94,87 46,84	74  93,67
0	3 60,00 7,50 3,80	2 40,00 5,13 2,53	5  6,33
C4 Totals	40 50,63	39 49,37	79 100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:18

Chi-Square: 0,10      Phi: 0,04      Contingency  
 Significance: 0,75      Cramer's V: 0,04      Coefficient: 0,04

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	25 52,08 62,50 31,65	23 47,92 58,97 29,11	48  60,76
0	15 48,39 37,50 18,99	16 51,61 41,03 20,25	31  39,24
C5	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:19

Chi-Square: 1,04      Phi: 0,11      Contingency  
 Significance: 0,31      Cramer's V: 0,11      Coefficient: 0,11

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	34 48,57 85,00 43,04	36 51,43 92,31 45,57	70   88,61
0	6 66,67 15,00 7,59	3 33,33 7,69 3,80	9   11,39
C6	40	39	79
Totals	50,63	49,37	100,00

## StatWorks Data Cross Tabulation 4 - mar - 1987 20:19

Chi-Square: 0,53      Phi: 0,08      Contingency  
 Significance: 0,47      Cramer's V: 0,08      Coefficient: 0,08

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	29 48,33 72,50 36,71	31 51,67 79,49 39,24	60  75,95
0	11 57,89 27,50 13,92	8 42,11 20,51 10,13	19  24,05
C7	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:19

Chi-Square: 0,31      Phi: 0,06      Contingency  
 Significance: 0,58      Cramer's V: 0,06      Coefficient: 0,06

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	28 52,83 70,00 35,44	25 47,17 64,10 31,65	53 67,09
0	12 46,15 30,00 15,19	14 53,85 35,90 17,72	26 32,91
CB	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:20

Chi-Square: 0,00      Phi: 0,01      Contingency  
 Significance: 0,94      Cramer's V: 0,01      Coefficient: 0,01

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	29 50,88 72,50 36,71	28 49,12 71,79 35,44	57  72,15
0	11 50,00 27,50 13,92	11 50,00 28,21 13,92	22  27,85
C9	40	39	79
Totals	50,63	49,37	100,00

## StatWorks Data Cross Tabulation 4 - mar - 1987 20:21

Chi-Square: 0,03      Phi: 0,02      Contingency  
 Significance: 0,86      Cramer's V: 0,02      Coefficient: 0,02

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
	28	28	56
0	50,00	50,00	
	70,00	71,79	
	35,44	35,44	70,89
	12	11	23
1	52,17	47,83	
	30,00	28,21	
	15,19	13,92	29,11
C10	40	39	79
Totals	50,63	49,37	100,00



StatWorks Data Cross Tabulation 4 - mar - 1987 20:21

Chi-Square: 0,63      Phi: 0,00      Contingency  
 Significance: 0,43      Cramer's V: 0,09      Coefficient: 0,09

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
	19	22	41
0	46,34	53,66	
	47,50	56,41	
	24,05	27,85	51,90
	21	17	38
1	55,26	44,74	
	52,50	43,59	
	26,58	21,52	48,10
C11	40	39	79
Totals	50,63	49,37	100,00

## StatWorks Data Cross Tabulation 4 - mar - 1987 20:21

Chi-Square: 1,27      Phi: 0,13      Contingency  
 Significance: 0,26      Cramer's V: 0,13      Coefficient: 0,15

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	31 47,69 77,50 39,24	34 52,31 87,18 43,04	65  82,28
0	9 64,29 22,50 11,39	5 35,71 12,82 6,33	14  17,72
C12 Totals	40 50,63	39 49,37	79 100,00

## StatWorks Data Cross Tabulation 4 - mar - 1987 20:22

Chi-Square: 3,93      Phi: 0,22      Contingency  
 Significance: 0,05      Cramer's V: 0,22      Coefficient: 0,22

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	20 64,52 50,00 25,32	11 35,48 28,21 13,92	31 39,24
0	20 41,67 50,00 25,32	28 58,33 71,79 35,44	48 60,76
.13 Totals	40 50,63	39 49,37	79 100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:22

Chi-Square: 0,61      Phi: 0,09      Contingency  
 Significance: 0,44      Cramer's V: 0,09      Coefficient: 0,09

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	24 54,55 60,00 30,38	20 45,45 51,28 25,32	44 55,70
0	16 45,71 40,00 20,25	19 54,29 48,72 24,05	35 44,30
C14	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:23

Chi-Square: 1,04      Phi: 0,11      Contingency  
 Significance: 0,31      Cramer's V: 0,11      Coefficient: 0,11

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
0	34 48,57 85,00 43,04	36 51,43 92,31 45,57	70  88,61
1	6 66,67 15,00 7,59	3 33,33 7,69 3,80	9  11,39
C15 Totals	40 50,63	39 49,37	79 100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:23

Chi-Square: 0,38      Phi: 0,07      Contingency  
 Significance: 0,54      Cramer's V: 0,07      Coefficient: 0,07

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
	24	26	50
0	48,00	52,00	
	60,00	66,67	
	30,38	32,91	63,29
	16	13	29
1	55,17	44,83	
	40,00	33,33	
	20,25	16,46	36,71
C16	40	39	79
Totals	50,63	49,37	100,00

StatWorks Data Cross Tabulation 4 - mar - 1987 20:24

Chi-Square: 6,69      Phi: 0,29      Contingency  
 Significance: 0,01      Cramer's V: 0,29      Coefficient: 0,28

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
0	27 64,29 67,50 34,18	15 35,71 38,46 18,99	42 53,16
1	13 35,14 32,50 16,46	24 64,86 61,54 30,38	37 46,84
C17 Totals	40 50,63	39 49,37	79 100,00

## StatWorks Data Cross Tabulation 4 - mar - 1987 20:24

Chi-Square: 2,99      Phi: 0,19      Contingency  
 Significance: 0,08      Cramer's V: 0,19      Coefficient: 0,19

Cell Count      Data File: ee/TIR-3

Row % Column % Total %	0	1	TV Totals
1	33 47,14 82,50 41,77	37 52,86 94,87 46,84	70 88,61
0	7 77,78 17,50 8,86	2 22,22 5,13 2,53	9 11,39
C18 Totals	40 50,63	39 49,37	79 100,00



## StatWorks Data Cross Tabulation 4 - mar - 1987 20:25

Chi-Square: 2,14      Phi: 0,16      Contingency  
 Significance: 0,14      Cramer's V: 0,16      Coefficient: 0,16

Cell Count      Data File: ee/TIR-3

Row %	Column %	0	1	TV Totals
Total %				
	0	26	19	45
		57,78	42,22	
		65,00	48,72	
		32,91	24,05	56,96
	1	14	20	34
		41,18	58,82	
		35,00	51,28	
		17,72	25,32	43,04
C19		40	39	79
Totals		50,63	49,37	100,00

StatWorks Data Correlation Matrix 4 - mar - 1987 20:06

Data File: ee/TIR-3

TOTAL	1,000	0,844	0,910	0,845	0,931
Im	0,844	1,000	0,544	0,693	0,799
Ve	0,910	0,544	1,000	0,784	0,836
Pares	0,845	0,693	0,784	1,000	0,591
Impares	0,931	0,799	0,836	0,591	1,000

StatWorks Data ANOVA Table 4 - mar - 1987 20:01

Data File: ee/TIR-3

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob.F
Between TV	0,52	1	0,52	0,23	0,635
Error	176,52	77	2,29		
Total	177,04	78			

StatWorks Data ANOVA Table 4 - mar - 1987 20:01

Data File: ee/TIR-3

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Frob>F
Between TV	0,30	1	0,30	0,08	0,781
Error	295,17	77	3,83		
Total	295,47	78			

Statworks Data ANOVA Table 4 - mar - 1987 20:01

Data File: ee/TIR-3

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between TV	1,61	1	1,61	0,17	0,680
Error	719,81	77	9,35		
Total	721,42	78			

**Anexo 2.11**

**(cap. 4.6)**

**Análisis resultados Test de Rendimiento**

**- Tablas de datos y salidas de ordenador.**

	Trat.	T.Rend.Im.	T.Rend.Ve.	T.Rend.Tot.	T.Rend.Crit.	T.Rend.Im.0	T.Rend.Im.2	T.Rend.Ve.0
1	0	5	7	12	1	5	3	7
2	0	4	7	11	0	4	6	7
3	0	6	4	10	0	6	7	4
4	0	3	6	9	0	3	7	6
5	0	3	4	7	0	3	4	4
6	0	4	3	7	0	4	4	3
7	0	5	6	11	0	5	4	6
8	0	3	4	7	0	3	5	4
9	0	2	5	7	0	2	6	5
10	0	5	5	10	0	5	2	5
11	0	0	5	5	0	0	6	5
12	0	5	5	10	0	5	3	5
13	0	6	5	11	0	6	5	5
14	0	3	1	4	0	3	6	1
15	0	4	6	10	0	4	4	6
16	0	5	4	9	0	5	4	4
17	0	5	2	7	0	5	5	2
18	0	5	4	9	0	5	6	4
19	0	3	2	7	0	3	6	2
20	0	7	6	13	1	7	6	6
21	0	6	4	10	0	6	5	4
22	0	3	3	6	0	3	7	3
23	0	4	6	10	0	4	7	6
24	0	6	2	8	0	6	6	2
25	0	4	5	9	0	4	6	5
26	0	3	5	8	0	3	6	5
27	0	7	5	12	1	7	1	5
28	0	5	7	12	1	5	4	7
29	0	5	3	8	0	5	6	3
30	0	6	5	11	0	6	4	5
31	0	5	2	7	0	5	4	2
32	0	5	4	9	0	5	0	4
33	0	6	7	13	1	6	4	7
34	0	4	4	8	0	4	7	4
35	0	6	2	8	0	6	6	2
36	0	3	4	7	0	3	4	4
37	1	3	6	9	0		5	
38	1	6	5	11	0		4	
39	1	7	7	14	1		4	
40	1	7	7	14	1		6	
41	1	4	4	8	0		3	
42	1	4	5	9	0			
43	1	4	5	9	0			
44	1	5	4	9	0			
45	1	6	6	12	1			
46	1	2	4	6	0			
47	1	6	4	10	0			
48	1	3	2	5	0			
49	1	5	5	10	0			
50	1	6	3	9	0			
51	1	4	5	9	0			
52	1	4	2	6	0			
53	1	5	8	13	1			
54	1	6	5	11	0			
55	1	6	6	12	1			
56	1	6	4	10	0			
57	1	5	3	8	0			
58	1	7	6	13	1			
59	1	7	6	13	1			
60	1	6	6	12	1			
61	1	6	6	12	1			
62	1	6	7	13	1			
63	1	1	3	4	0			
64	1	4	4	8	0			

2 04

	T.Rend.Ve.1	T.Rend.Tot.0	T.Rend.Tot.1
1	6	12	9
2	5	11	11
3	7	10	14
4	7	9	14
5	4	7	8
6	5	7	9
7	5	11	9
8	4	7	9
9	6	7	12
10	4	10	6
11	4	5	10
12	2	10	5
13	5	11	10
14	3	4	9
15	5	10	9
16	2	9	6
17	8	7	13
18	5	9	11
19	6	7	12
20	4	13	10
21	3	10	8
22	6	6	13
23	6	10	13
24	6	8	12
25	6	9	12
26	7	8	13
27	3	12	4
28	4	12	8
29	4	8	10
30	4	11	8
31	1	7	5
32	4	9	4
33	5	13	9
34	4	8	11
35	7	8	13
36	4	7	8
37	5		10
38	5		9
39	4		8
40	6		12
41	4		7
42			
43			
44			
45			
46			
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57			
58			
59			
60			
61			
62			
63			
64			



	Trat.	T.Rend.Im.	T.Rend.Ve.	T.Rend.Tot.	T.Rend.Crit.	T.Rend.Im.0	T.Rend.Im.1	T.Rend.Ve.0
65	1	6	4	10	0			
66	1	4	4	8	0			
67	1	4	1	5	0			2 305
68	1	0	4	4	0			
69	1	4	5	9	0			
70	1	7	4	11	0			
71	1	6	7	13	1			
72	1	4	4	8	0			
73	1	5	5	10	0			
74	1	4	5	9	0			
75	1	4	4	8	0			
76	1	6	6	12	1			
77	1	3	4	7	0			

T.Rend.Ve.1 T.Rend.Tot.0 T.Rend.Tot.1

2 .00

- 65
- 66
- 67
- 68
- 69
- 70
- 71
- 72
- 73
- 74
- 75
- 76
- 77

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Tot. Observations: 77

Minimum: 4,00 Maximum: 14,00

Range: 10,00 Median: 9,00

Mean: 9,29 Standard Error: 0,28

Variance: 6,10

Standard Deviation: 2,47

Coefficient of Variation: 26,60

Skewness: -0,13 kurtosis: -0,63

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Tot. Observations: 77

Test: Normality

Statistic: 0,09

Significance: 0,211

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Tot.1 Observations: 41

Minimum: 4,00 Maximum: 14,00

Range: 10,00 Median: 9,00

Mean: 9,59 Standard Error: 0,42

Variance: 7,20

Standard Deviation: 2,68

Coefficient of Variation: 27,99

Skewness: -0,29 Kurtosis: -0,71

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Tot.1 Observations: 41

Test: Normality

Statistic: 0,11

Significance: 0,243

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Tot.0 Observations: 36

Minimum: 4,00 Maximum: 13,00

Range: 9,00 Median: 9,00

Mean: 8,94 Standard Error: 0,37

Variance: 4,80

Standard Deviation: 2,19

Coefficient of Variation: 24,49

Skewness: -0,03 kurtosis: -0,69

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Tot.0 Observations: 36

Test: Normality

Statistic: 0,12

Significance: 0,239



StatWorks Data Student's t Statistic 4 - mar - 1987 22:19

Data File: ee/T.Rend.

Independent Samples...

Variable:	T.Rend.Tot.0	T.Rend.Tot.1
Mean:	8,94	9,59
Std. Deviation:	2,19	2,68
Observations:	36	41
t-statistic:	-1,14	Hypothesis:
Degrees of Freedom:	75	H <sub>0</sub> : u1 = u2
Significance:	0,259	H <sub>a</sub> : u1 ≠ u2

T. Rend. Tot

StatWorks Data ANOVA Table 4 - mar - 1987 22:06

Data File: ee/T.Rend.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob >F
Between Trat.	7,87	1	7,87	1,30	0,102
Error	455,84	75	6,08		
Total	463,71	76			

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:10

Data File: ee/T.Rend.

Variable: T.Rend.Im. Observations: 77

Minimum: 0,00 Maximum: 7,00

Range: 7,00 Median: 5,00

Mean: 4,66 Standard Error: 0,18

Variance: 2,44

Standard Deviation: 1,56

Coefficient of Variation: 33,48

Skewness: -0,71 Kurtosis: 0,47

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Im. Observations: 77

Test: Normality

Statistic: 0,15

Significance: 0,087

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Im.1 Observations: 41

Minimum: 0,00 Maximum: 7,00

Range: 7,00 Median: 5,00

Mean: 4,83 Standard Error: 0,25

Variance: 2,65

Standard Deviation: 1,63

Coefficient of Variation: 33,68

Skewness: -0,62 kurtosis: 0,48

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Im.1 Observations: 41

Test: Normality

Statistic: 0,20

Significance: 0,097

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Im.0 Observations: 36

Minimum: 0,00 Maximum: 7,00

Range: 7,00 Median: 5,00

Mean: 4,47 Standard Error: 0,25

Variance: 2,20

Standard Deviation: 1,48

Coefficient of Variation: 33,16

Skewness: -0,61 Kurtosis: 0,42

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Im.0 Observations: 36

Test: Normality

Statistic: 0,19

Significance: 0,121



StatWorks Data Student's t Statistic 4 - mar - 1987 22:18

Data File: ee/T.Rend.

Independent Samples...

Variable:	T.Rend.Im.0	T.Rend.Im.1
Mean:	4,47	4,63
Std. Deviation:	1,48	1,63
Observations:	36	41
t-statistic:	-1,00	Hypothesis:
Degrees of Freedom:	75	Ho: $\mu_1 = \mu_2$
Significance:	0,320	Ha: $\mu_1 \neq \mu_2$

T. Rend. Im.

StatWorks Data ANOVA Table 4 - mar - 1987 22:04

Data File: ee/T.Rend.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between Trat.	2,44	1	2,44	1,00	0,032
Error	182,78	75	2,44		
Total	185,22	76			

StatWorks Data Cross Tabulation 4 - mar - 1987 22:34

Chi-Square: 10,33      Phi: 0,37      Contingency  
 Significance: 0,17      Cramer's V: 0,37      Coefficient: 0,34

Cell Count	Data File: ee/T.Rend.		Trat.
Row %	0	1	Totals
Column %			
Total %			
5	11 68,75 30,56 14,29	5 31,25 12,20 6,49	16 20,78
4	6 33,33 16,67 7,79	12 66,67 29,27 15,58	18 23,38
6	7 35,00 19,44 9,09	13 65,00 31,71 16,88	20 25,97
3	8 72,73 22,22 10,39	3 27,27 7,32 3,90	11 14,29
2	1 50,00 2,78 1,30	1 50,00 2,44 1,30	2 2,60
0	1 50,00 2,78 1,30	1 50,00 2,44 1,30	2 2,60
7	2 28,57 5,56 2,60	5 71,43 12,20 6,49	7 9,09
1	0 0,00 0,00 0,00	1 100,00 2,44 1,30	1 1,30
T.Rend.Im.	36	41	77
Totals	46,75	53,25	100,00

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Ve. Observations: 77

Minimum: 1,00 Maximum: 8,00

Range: 7,00 Median: 5,00

Mean: 4,60 Standard Error: 0,18

Variance: 2,40

Standard Deviation: 1,55

Coefficient of Variation: 33,71

Skewness: -0,20 Kurtosis: -0,42

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Ve. Observations: 77

Test: Normality

Statistic: 0,16

Significance: 0,087

StatWorks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Ve.1 Observations: 41

Minimum: 1,00 Maximum: 8,00

Range: 7,00 Median: 5,00

Mean: 4,76 Standard Error: 0,23

Variance: 2,24

Standard Deviation: 1,50

Coefficient of Variation: 31,46

Skewness: -0,16 Kurtosis: -0,19

StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Ve.1 Observations: 41

Test: Normality

Statistic: 0,16

Significance: 0,152

Statworks Data Descriptive Statistics 4 - mar - 1987 22:09

Data File: ee/T.Rend.

Variable: T.Rend.Ve.0 Observations: 36

Minimum: 1,00 Maximum: 7,00

Range: 6,00 Median: 4,50

Mean: 4,42 Standard Error: 0,27

Variance: 2,59

Standard Deviation: 1,61

Coefficient of Variation: 36,46

Skewness: -0,19 kurtosis: -0,81



StatWorks Data Normality Test 4 - mar - 1987 22:08

Data File: ee/T.Rend.

Variable: T.Rend.Ve.0 Observations: 36

Test: Normality

Statistic: 0,15

Significance: 0,187

Statworks Data Student's t Statistic 4 - mar - 1967 22:18

Data File: ee/T.Rend.

Independent Samples...

Variable:	T.Rend.Ve.0	T.Rend.Ve.1
Mean:	4,42	4,76
Std. Deviation:	1,61	1,50
Observations:	36	41

t-statistic:	-0,96	Hypothesis:
Degrees of Freedom:	75	Ho: $\mu_1 = \mu_2$
Significance:	0,341	Ha: $\mu_1 \neq \mu_2$

*T. Rend. Va*

StatWorks Data ANOVA Table 4 - mar - 1987 22:05

Data File: ee/T.Rend.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between Treat.	2,21	1	2,21	0,92	0,341
Error	180,31	75	2,40		
Total	182,52	76			

StatWorks Data Cross Tabulation 4 - mar - 1987 22:34

Chi-Square: 3,39      Phi: 0,21      Contingency  
 Significance: 0,85      Cramer's V: 0,21      Coefficient: 0,21

Cell Count      Data File: ee/T.Rend.

Row % Column % Total %	0	1	Totals
7	4 50,00 11,11 5,19	4 50,00 9,76 5,19	8  10,39
4	9 40,91 25,00 11,69	13 59,09 31,71 16,88	22  28,57
6	5 38,46 13,89 6,49	8 61,54 19,51 10,39	13  16,88
3	3 50,00 8,33 3,90	3 50,00 7,32 3,90	6  7,79
5	9 50,00 25,00 11,69	9 50,00 21,95 11,69	18  23,38
1	1 50,00 2,78 1,30	1 50,00 2,44 1,30	2  2,60
2	5 71,43 13,89 6,49	2 28,57 4,88 2,60	7  9,09
8	0 0,00 0,00 0,00	1 100,00 2,44 1,30	1  1,30
T.Rend.Ve. Totals	36  46,75	41  53,25	77  100,00

Statworks Data Correlation Matrix 4 - mar - 1987 22:25

Data File: ee/T.Rend.

T.Rend.Tot.	1,000	0,807	0,797
T.Rend.Im.	0,807	1,000	0,297
T.Rend.Ve.	0,797	0,297	1,000

Statworks Data Correlation Matrix 4 - mar - 1987 22:24

Data File: ee/T.Rend.

T.Rend.Tot.1	1,000	0,871	0,846
T.Rend.Im.1	0,871	1,000	0,476
T.Rend.Ve.1	0,846	0,476	1,000

StatWorks Data Correlation Matrix 4 - mar - 1987 22:23

Data File: ee/T.Rend.

T.Rend.Tot.0	1,000	0,703	0,744
T.Rend.la.0	0,703	1,000	0,071
T.Rend.Ve.0	0,744	0,071	1,000

*T. Rend. Tot*

Statworks Data ANOVA Table 7 - mar - 1987 15:41

Data File: ee E C--

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob > F
Between Treat	14,75	1	14,75	2,34	0,262
Between GEFT.DC	9,30	2	4,65	0,74	0,463
Interaction	0,32	2	0,16	0,03	0,975
Error	340,03	54	6,30		
Total	364,40	59			



*T-Resid. Tot*

Statworks Data ANOVA Table 7 - mar - 1987 15:38

Data File: ee/E.p-4

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob > F
Between Treat	13.54	1	13.54	2.33	0.123
Between PMH.V.CC	0.71	2	0.36	0.66	0.940
Interaction	19.13	2	9.57	1.64	0.206
Error	197.71	34	5.82		
Total	231.10	39			

*T. Rend. Tot*

Statworks Data ANOVA Table 7 - mar - 1987 15:38

Data File: ee/Exp-4

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between Treat	13.54	1	13.54	2.32	0.264
Between PMH.E.CO	16.13	2	8.06	1.38	0.265
Interaction	2.79	2	1.39	0.24	0.789
Error	198.64	34	5.84		
Total	231.10	37			

T. Rend. Tot

Statworks Data ANOVA Table 7 - mar - 1987 15:39

Data File: ee E.p.w

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Treat	13,54	1	13,54	2,26	0,266
Between PMA, F.O.	10,25	2	5,13	0,86	0,434
Interaction	3,65	2	1,82	0,30	0,741
Error	203,68	34	5,99		
Total	221,11	39			

T. Rand. Tot

Statworks Data ANOVA Table 7 - mar - 1987 15:39

Data File: ee,Exp-4

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Treat	13.54	1	13.54	2.81	0.1024
Between FMW,N,CC	40.25	2	20.12	4.17	0.024
Interaction	10.41	2	5.21	1.09	0.320
Error	160.9	34	4.73		
Total	225.1	37			

T. Rend. Tot

Statworks Data ANOVA Table 7 - mar - 1987 15:40

Data File: ee E 0-4

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob > F
Between Treat	13,54	1	13,54	2,29	0,266
Between PMA.Tot.CO	11,56	2	5,78	0,98	0,387
Interaction	4,61	2	2,31	0,39	0,681
Error	201,39	34	5,92		
Total	230,50	39			

*T. Rend. Tot*

Statworks Data ANOVA Table 7 - mar - 1987 15:50

Data File: ee/TIR v T.Rend. Cov.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Repite	2,77	1	2,77	0,45	0,626
Between TRATAM.	13,74	1	13,74	2,22	0,167
Interaction	0,89	1	0,89	0,14	0,706
Error	347,06	56	6,20		
Total	364,40	59			

*T-Rend. tot*

Statworks Data ANOVA Table 7 - mar - 1987 15:50

Data File: ee TIR v T.Rend. Cov.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Traba:	31.22	4	7.81	1.22	0.506
Between TRATHR.	19.87	1	19.87	3.07	0.081
Interaction	16.59	4	4.15	0.79	0.538
Error	294.72	50	5.89		
Total	364.40	59			

**Anexo 2.12**

**(cap. 4.7)**

**Análisis resultados Pruebas de Actitud**

**- Tablas de datos y salidas de ordenador**



2  
543  
Recomend.

	Treat.	Act.Inic.	Act.Inic.Cor.	Act.Fin.Cor.	Act.Final	Act.Videos	No Videos	Recomend.
1	0	13	2.00	3.30	33	23	4	4
2	0	10	2.00					
3	0	13	2.00	3.00	30	21	3	3
4	0	12	2.40					
5	0	7	1.40	1.00	10	11	3	1
6	0	11	2.20					
7	0	9	1.80	3.80	38	26	3	5
8	0	9	1.80	3.00	30	25	3	4
9	0	13	2.00	2.80	28	18	4	4
10	0	15	2.50					
11	0	8	1.00	3.00	30	22	3	5
12	0	15	3.00					
13	0	14	2.80	3.40	34	22	4	3
14	0	16	3.20	3.70	37	26	3	5
15	0	9	1.80	2.30	23	25	4	4
16	0	19	3.80					
17	0	12	2.40					
18	0	12	2.40	3.10	31	22	3	4
19	0	13	2.60	3.40	34	23	2	4
20	0	13	2.60					
21	0	12	2.40					
22	0	8	1.00	2.00	20	21	3	3
23	0	7	1.40	3.00	30	22	3	4
24	0	12	2.40	3.00	30	16	3	3
25	0	16	3.20					
26	0	11	2.20					
27	0	13	2.60	2.60	26	11	3	2
28	0	14	2.80	2.80	28	22	3	3
29	0	10	2.00					
30	0	11	2.20					
31	0	8	1.00	2.70	27	24	4	4
32	0	11	2.20					
33	0	9	1.80					
34	0		2.40		24	23	4	4
35	0		2.70		27	25	3	4
36	0		2.40		24	17	3	4
37	0		3.30		33	23	2	4
38	0		2.80		28	22	4	4
39	0		2.80		28	27	3	4
40	0		2.10		21	16	2	3
41	0	12	2.40					
42	0	10	2.00	2.60	26	19	1	2
43	0	9	1.80	2.20	22	22	4	4
44	0	14	2.80	2.30	23	20	3	3
45	0	13	2.60	2.80	28	14	2	1
46	0	11	2.20	2.00	20	11	3	1
47	0	12	2.40	2.20	22	14	4	2
48	0	14	2.80	3.40	34	23	3	4
49	0	11	2.20	2.70	27	17	4	2
50	0	15	3.00	3.00	30	24	4	5
51	0	9	1.80	3.00	30	23	3	4
52	0	6	1.20	1.70	17	15	4	4
53	0	7	1.40					
54	0	13	2.60	4.00	40	25	3	4
55	1	11	2.20	2.20	22	23	4	4
56	1	12	2.20	2.40	24	21	4	3
57	1	10	2.00	2.10	21	19	3	3
58	1	9	1.80	1.80	18	16	3	2
59	1	9	1.80	3.00	30	24	3	4
60	1	14	2.80	3.20	32	13	2	3
61	1	12	2.40					
62	1	10	2.00	3.00	30	27	2	5
63	1	7	1.40	2.30	23	9	3	2
64	1	7	1.40	1.90	19	20	3	3
65	1	15	3.00	2.60	26	23	4	4

	Trat.	Act.Inic.	Act.Inic.Cor.	Act.Fin.Cor.	Act.Final	Act.Videos	No Videos	Recommend.
65	1	11	2,20	2,90	29	20	2	4
66	1	10	2,00	2,40	24	17	3	3
67	1	10	2,00					
68	1	12	2,40	3,60	36	20	5	4
69	1	10	2,00	2,40	24	13	3	2
70	1	12	2,40	2,30	23	21	4	4
71	1	13	2,60	2,90	29	26	4	4
72	1	9	1,80	2,90	29	15	3	3
73	1	12	2,40	2,90	29	22	3	4
74	1	11	2,20	2,80	28	25	4	4
75	1	12	2,40	2,40	24	18	4	3
76	1	13	2,60	2,70	27	20	4	4
77	1	14	2,80	3,10	31	23	3	4
78	1	13	2,60	3,00	30	14	3	3
79	1	11	2,00	2,70	27	22	4	4
80	1	14	2,80	2,60	26	18	4	3
81	1	14	2,80	2,90	29	24	4	4
82	1	12	2,40					
83	1	12	2,40					
84	1	11	2,20	2,30	23	17	4	2
85	1	13	2,60	3,50	35	22	4	4
86	1	15	3,00	3,50	35	25	2	5
87	1	10	2,00	2,80	28	20	3	3
88	1	7	1,40	3,10	31	22	3	4
89	1	12	2,40	2,80	28	25	4	5
90	1			2,90	29	24	3	3
91	1			3,80	38	15	1	2
92	1			3,20	32	23	3	4
93	1			2,90	29	22	4	4
94	1			2,40	24	24	5	4
95	1			2,50	25	23	2	4
96	1			2,00	20	16	3	3
97	1	12	2,40	3,30	33	22	4	4
98	1	15	3,60	3,40	34	25	2	5
99	1	11	2,00	3,60	36	20	3	4
100	1	9	1,80	2,20	22	21	4	4
101	1	10	2,00	2,60	26	16	4	2
102	1	11	3,40	2,90	29	23	3	4

PMA.Total

2 347

1	0
2	0
3	0
4	0
5	129.5
6	0
7	0
8	130.5
9	85
10	0
11	156
12	0
13	0
14	0
15	113
16	0
17	0
18	0
19	125
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	165
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	114.5
36	120
37	165
38	0
39	131
40	0
41	0
42	141.5
43	156.5
44	0
45	120
46	0
47	129
48	173
49	141
50	0
51	115
52	0
53	0
54	123.5
55	147
56	146
57	121.5
58	0
59	0
60	0
61	0
62	0
63	0
64	108.5

	Veria	Activ.Educ.	Estudios	GEFT	PMA.V	PMA.E	PMA.R	PMA.N
1	4	4	2	11			2	548
2		3	2	13				
3	4	1	1	17				
4		4	7	5				
5	1	1	5	15	37	25	16	17
6		3	1	15				
7	4	4	1	15				
8	5	4	2	15	33	27	16	22
9	2	4	1	4	24	8	11	17
10		4	1	2				
11	1	4	1	10	36	21	21	36
12		4	1	13				
13	4	4	1	12				
14	3	4	2	17				
15	4	3	1	6	24	21	15	16
16		4	5	4				
17		1	3	8				
18	5	3	1	6				
19	4	3	1	3	36	28	14	15
20		3	1	17				
21		3	5	9				
22	4	4	2	6				
23	3	3	6	18				
24	1	3	1	15				
25		4	2	15				
26		4	1	17				
27	2	4	1	17	42	25	25	27
28	3	4	1	12				
29		4	2	13				
30		3	1	14				
31	4	4	1	7				
32		3	2	15				
33	4	4	1	16				
34	5							
35	2				35	10	17	18
36	2				28	26	15	20
37	4				46	28	25	21
38	4							
39	3				36	26	16	19
40		3	2	12				
41	3	4	1	12				
42	3	3	3	16	25	30	26	22
43	3	1	4	18	33	44	19	25
44	2	3	2	12				
45	1	4	3	8	30	23	14	24
46	2	3	1	14				
47	3	4	4	18	20	39	19	22
48	1	4	2	15	30	47	27	27
49	2	3	3	15	34	25	22	21
50	3	4	2	17				
51	1	2	3	9	32	22	7	31
52		4	7	6				
53	3	3	1	10				
54	4	3	1	9	27	18	19	27
55	4	3	1	12	38	19	21	29
56	2	3	1	15	40	27	21	17
57	1	3	1	11	35	17	16	20
58	4	3	1	13				
59	1	4	1	13				
60		3	2	17				
61	5	4	2	16				
62	1	3	1	15				
63	3	2	1	12				
64	4	4	1	7	29	14	16	19

	Veria	Activ.Educ.	Estudios	GEFT	PMA.V	PMA.E	PMA.R	PMA.N
65	1	3	1	14	38	28	25	24
66	3	3	1	7			25	24
67		4	1	11				
68	3	3	1	4	26	4	10	12
69	2	3	1	18	41	42	28	33
70	3	3	2	15	34	0	12	14
71	5	4	2	10	21	5	15	9
72	2	4	1	15	30	12	15	17
73	5	4	1	15	41	19	18	11
74	5	0	1	8	28	18	16	20
75		4	1	12	23	27	18	20
76	3	3	2	18	35	22	21	19
77	4	4	2	10	47	38	20	23
78	1	4	1	7				
79	5	3	1	8	32	0	13	26
80	3	0	1	18	39	23	27	20
81	4	3	1	14	34	0	21	19
82		3	1	13				
83		3	2	13				
84	1	4	1	11	27	29	16	20
85	2	3	1	15	37	26	24	23
86	4	3	2	14				
87	2	3	1	12				
88	4	3	1	12				
89	1	3	1	14	24	36	22	14
90	4							
91	2				25	35	20	30
92	3							
93	4				27	22	19	16
94	4							
95	3							
96	2				37	7	18	24
97	3	3	2	17	35	25	18	30
98	3	3	1	14				
99	1	3	1	16	31	21	19	22
100	2	4	2	10	31	6	22	27
101	1	0	2	17	25	46	27	22
102	3	3	2	9	29	12	17	33

## PMA.Total

2 350

65	159
66	0
67	0
68	75
69	192.5
70	89
71	75.5
72	104
73	127.5
74	112
75	117.5
76	135.5
77	171.5
78	0
79	100
80	155.5
81	112
82	0
83	0
84	121.5
85	152.5
86	0
87	0
88	0
89	130
90	0
91	142.5
92	0
93	116.5
94	0
95	0
96	122.5
97	143.5
98	0
99	127.5
100	123.5
101	159.5
102	122.5

Statworks Data Descriptive Statistics 6 - mar - 1987 09:54

Data File: ee\Actitud.FMH.GEFT

Variable: Act.Final Observations: 82

Minimum: 16,00 Maximum: 40,00

Range: 24,00 Median: 28,00

Mean: 27,93 Standard Error: 0,57

Variance: 26,21

Standard Deviation: 5,12

Coefficient of Variation: 18,33

Skewness: 0,02 Kurtosis: -0,38

Statworks Data Normality Test 6 - mar - 1987 09:53

Data File: ee/Actitud.FMA.GEFT

Variable: Act.Final Observations: 82

Test: Normality

Statistic: 0.09

Significance: 0.216



Statworks Data ANOVA Table 6 - mar - 1987 09:52

Data File: ee/Actitud.PMA.GEFT Act. Fin.

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between Trat.	4.64	1	4.64	0.18	0.677
Error	2118.92	80	26.49		
Total	2123.56	81			

Statworks Data Normality Test 6 - mar - 1987 10:09

Data File: ee/Actitud.PMA.GEFT

Variable: No Videos Observations: 82

Test: Normality

Statistic: 0,25

Significance: 0,012

Statworks Data Cross Tabulation 6 - mar - 1987 10:11

Chi-Square: 0,92      Phi: 0,11      Contingency  
 Significance: 0,82      Cramer's V: 0,11      Coefficient: 0,11

Data File: ee/Actitud.FMW,GEFT

Cell Count Row % Column % Total %	4	3	2	1	No Videos Totals
0	12 32,43 38,71 14,63	20 54,05 50,00 24,39	4 10,81 44,44 4,88	1 2,70 50,00 1,22	37 45,12
1	19 42,22 61,29 23,17	20 44,44 50,00 24,39	5 11,11 55,56 6,10	1 2,22 50,00 1,22	45 54,88
Treat. Totals	31 37,80	40 48,78	9 10,96	2 2,44	82 100,00

Statworks Data Cross Tabulation 6 - mar - 1987 10:13

Chi-Square: 0,90      Phi: 0,10      Contingency  
 Significance: 0,64      Cramer's V: 0,10      Coefficient: 0,10

Cell Count      Data File: ee/Actitud,PMA,GEFT  
 Row %  
 Column %  
 Total %

	4	3	2	No.ideos Co. Totals
0	12 32,43 38,71 14,63	2 54,05 50,00 24,39	5 13,51 45,45 6,10	37 45,12
1	15 42,22 61,25 23,17	20 44,44 50,00 24,39	6 13,33 54,55 7,32	45 54,88
Treat.	31	40	11	82
Totals	37,80	46,78	13,41	100,00

Statworks Data ANOVA Table 6 - mar - 1987 10:56

Data File: ee Actitud.PMA.GEFT Act.

Factual

Source	Sum of Squares	Deg. of Freedom	Mean Square	F-Ratio	Prob F
Between Activ.Educ.	163.78	3	54.59	2.13	0.104
Error	1662.22	65	25.57		
Total	1826.00	68			

Act. *Financed*

Statworks Data ANOVA Table 6 - mar - 1987 10:24

Data File: ee/Actitud.FMA.8EFT

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob > F
Between Let./Dienc.	37.25	1	37.25	1.40	0.113
Error	1788.75	67	26.70		
Total	1826.00	68			

Ach *Final*

Statworks Data ANOVA Table 6 - mar - 1987 10:25

Data File: ee\Actitud.PMA.BEFT

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Treat.	11.48	1	11.48	0.42	0.635
Between Let. Cienc.	34.75	1	34.75	1.27	0.102
Interaction	2.33	1	2.33	0.19	0.771
Error	1777.45	65	27.35		
Total	1826.01	68			

Statworks Data Correlation Matrix 6 - Mar - 1967 10:05

Data File: ee/hctitud.PM,GEFT

Hct.Final	1.000	-0.020	-0.022	-0.025	0.073	-0.117	-0.019
GEFT	-0.020	1.000	0.267	0.473	0.642	0.135	0.587
PM.V	-0.022	0.267	1.000	0.113	0.291	0.273	0.583
PM.E	-0.025	0.473	0.113	1.000	0.550	0.258	0.771
PM.H	0.073	0.642	0.291	0.550	1.000	0.305	0.806
PM.N	-0.117	0.135	0.273	0.258	0.305	1.000	0.564
PM.Total	-0.019	0.587	0.583	0.771	0.806	0.564	1.000



Statworks Data ANOVA Table 6 - mar - 1987 10:17

Data File: ee Actitud.FRM.GEFT *Adj. F. val*

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob. F
Between NoVideo Co.	142.25	2	71.12	2.84	0.065
Error	1981.31	79	25.08		
Total	2123.56	81			

Statworks Data Descriptive Statistics 6 - mar - 1987 09:54

Data File: ee/hctitud.FMH.GEFT

Variable: hctitud. Observations: 69

Minimum: 6.00 Maximum: 19.00

Range: 13.00 Median: 12.00

Mean: 11.46 Standard Error: 0.27

Variance: 0.62

Standard Deviation: 2.57

Coefficient of Variation: 22.4%

Skewness: 0.25 Kurtosis: 0.7

Statworks Data Normality Test 6 - mar - 1987 09:53

Data File: ee/Actitud,FMA,GEFT

Variable: Act.Inic. Observations: 89

Test: Normality

Statistic: 0.10

Significance: 0.181

Statworks Data ANOVA Table 6 - mar - 1987 10:30

Data File: ee/Actitud.PMH.GEF *Act. Educ*

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob F
Between Activ. Educ.	32.61	3	10.87	1.68	0.176
Error	549.62	85	6.47		
Total	582.22	88			

Statworks Data ANOVA Table 6 - mar - 1987 10:24

Data File: ee wtitud.PMH.GEF7 *Act. Enrich.*

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob > F
Between Let./Dienc.	3.26	1	3.26	0.49	0.486
Error	578.96	67	8.65		
Total	582.22	68			

Statworks Data Correlation Matrix 6 - mar - 1967 10:05

Data File: ee/Actitud,PMA,GEFT

Act.Inic.	1.000	0.007	-0.011	-0.035	0.139	-0.149	-0.002
GEFT	0.007	1.000	0.267	0.473	0.642	0.135	0.587
PMA.V	-0.011	0.267	1.000	0.113	0.291	0.273	0.583
PMA.E	-0.035	0.473	0.113	1.000	0.550	0.258	0.771
PMA.R	0.139	0.642	0.291	0.550	1.000	0.305	0.806
PMA.N	-0.149	0.135	0.273	0.258	0.305	1.000	0.564
PMA.Total	-0.002	0.587	0.583	0.771	0.806	0.564	1.000

Statworks Data Descriptive Statistics 6 - mar - 1987 09:55

Data File: ee/Actitud,FMA,GEFT

Variable: Act.Inic.Cor. Observations: 89

Minimum: 1.20 Maximum: 3.80

Range: 2.60 Median: 2.40

Mean: 2.30 Standard Error: 0.05

Variance: 0.26

Standard Deviation: 0.51

Coefficient of Variation: 21.40

Skewness: 0.25 Kurtosis: 0.07

Statworks Data Normality Test 6 - mar - 1987 19:50

Data File: ee/hctitud.FMH,GEFT

Variable: hct.udic.cor. Observations: 69

Test: Normality

Statistic: 0.10

Significance: 0.181



Statworks Data Descriptive Statistics 6 - mar - 1987 09:55

Data File: ee/Actitud.FMA.GEFT

Variable: Act.Fin.Cor. Observations: 82

Minimum: 1.60 Maximum: 4.00

Range: 2.40 Median: 2.80

Mean: 2.79 Standard Error: 0.06

Variance: 0.26

Standard Deviation: 0.51

Coefficient of Variation: 18.33

Skewness: 0.12 Kurtosis: -0.36

Statworks Data Normality Test 6 - mar - 1987 09:55

Data File: ee/Actitud,PMA,GEFT

Variable: Act,Fin,Cor. Observations: 82

Test: Normality

Statistic: 0.19

Significance: 0.216

Statworks Data Descriptive Statistics 6 - mar - 1987 09:55

Data File: ee/Actitud.FMA,GEFT

Variable: Act.videns Observations: 62

Minimum: 9.00 Maximum: 28.00

Range: 19.00 Median: 22.00

Mean: 21.50 Standard Error: 0.47

Variance: 17.96

Standard Deviation: 4.24

Coefficient of Variation: 20.67

Skewness: -0.71 Kurtosis: -0.26

Statworks Data Normality Test 6 - mar - 1987 09:56

Data File: ee/hctitud.FMH.GEFT

Variable: Act..ideos Observations: 82

Test: Normality

Statistic: 0.17

Significance: 0.057

### Actitud ante los Videos

StatWorks Data ANOVA Table 6 - mar - 1987 10:02

Data File: ee/Actitud.PMA.GEFT

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob>F
Between Treat.	0.60	1	0.60	0.03	0.856
Error	1453.90	60	16.17		
Total	1454.50	61			

StatWorks Data Correlation Matrix 6 - mar - 1987 10:07

Data File: ee/Actitud,PMA,GEFT

Act.Videos	1.000	-0.192	-0.231	-0.218	-0.072	-0.201	-0.258
GEFT	-0.192	1.000	0.267	0.473	0.642	0.135	0.587
PMA.V	-0.231	0.267	1.000	0.113	0.291	0.273	0.583
PMA.E	-0.218	0.473	0.113	1.000	0.550	0.258	0.771
PMA.R	-0.072	0.642	0.291	0.550	1.000	0.305	0.806
PMA.N	-0.201	0.135	0.273	0.258	0.305	1.000	0.564
PMA.Total	-0.258	0.587	0.583	0.771	0.806	0.564	1.000

Statworks Data ANOVA Table 6 - mar - 1967 10:18

Data File: ee/Actitud.PMA.GEFT *Actitud*

Source	Sum of Squares	Deg. of freedom	Mean Squares	F-Ratio	Prob >F
Between No. ideas Co.	38.25	2	19.13	3.01	0.056
Error	418.70	66	6.34		
Total	456.95	68			

Statworks Data Normality Test 6 - mar - 1967 10:31

Data File: ee/Actitud.FMA,GEFT

Variable: \_Recomend. Observations: 62

Test: Normality

Statistic: 0,30

Significance: 0,000



Statworks Data Cross Tabulation 6 - mar - 1987 10:30

Chi-Square: 4.3e      Phi: 0.23      Contingency  
 Significance: 0.3e      Cramer's V: 0.23      Coefficient: 0.22

Cell Count      Data File: ee/Actitud,PMA,GEFT

Row % Column % Total %	0	1	Trat. Totals
	15	23	42
4	45.24	54.76	
	51.35	51.11	
	23.17	28.05	51.22
	7	12	19
3	36.84	63.16	
	18.92	26.67	
	8.54	14.63	23.17
	3	0	3
1	100.00	0.00	
	5.11	0.00	
	3.66	0.00	3.66
	4	4	8
5	50.00	50.00	
	10.81	8.89	
	4.86	4.86	9.76
	4	6	10
2	40.00	60.00	
	10.81	13.33	
	4.86	7.32	12.12
Recommend.	37	45	82
Totals	45.12	54.88	100.00

StatWorks Data Cross Tabulation 6 - mar - 1987 10:34

Chi-Square: 0.94      Phi: 0.11      Contingency  
 Significance: 0.62      Cramer's V: 0.11      Coefficient: 0.11

Cell Count      Data File: ee/Actitud,PMA,GEFT

Row #	Column #	0	1	Totals
4	Total %	23 46.00 62.16 28.05	27 54.00 60.00 32.93	50 60.96
3	Total %	7 36.84 16.92 8.54	12 63.16 26.67 14.63	19 23.17
2	Total %	7 53.85 16.92 8.54	6 46.15 13.33 7.32	13 15.85
Recommend. Co.	Totals	37 45.12	45 54.88	82 100.00

Ach. Firm

Statworks Data ANOVA Table 6 - mar - 1967 10:35

Data File: ee/Actitud.PMA.GEFT

Source	Sum of Squares	Deg. of Freedom	Mean Squares	F-Ratio	Prob.F
Between Recomena. Co.	286.37	2	143.19	6.16	0.003
Error	1857.19	79	23.26		
Total	2123.56	81			

Statworks Data Cross Tabulation 6 - mar - 1987 10:37

Chi-Square: 2,74      Phi: 0,20      Contingency  
 Significance: 0,60      Cramer's V: 0,14      Coefficient: 0,20

Cell Count      Data File: ee/Actitud.PMA,GEFT

Row \ Column	4	3	2	Recommend. Co. Totals
4	16 57,14 39,02 23,19	7 25,00 43,75 10,14	5 17,86 41,67 7,25	28 40,56
1	1 25,00 2,44 1,45	2 50,00 12,50 2,90	1 25,00 8,33 1,45	4 5
3	24 64,86 58,54 34,76	- 18,52 43,75 10,14	0 16,22 50,0 8,70	37 53,62
H.Educ.Co. Totals	41 59,42	10 23,19	12 17,39	69 100,00

Statworks Data Cross Tabulation 6 - mar - 1987 10:37

Chi-Square: 3.3e      Phi: 0,22      Contingency  
 Significance: 0,19      Cramer's V: 0,22      Coefficient: 0,22

Cell Count      Data File: ee/Actitud,FMA,GEFT

Row %	Column %	Total %	4	3	2	Recommend. Co. Totals
2			15 75,00 36,59 21,74	2 10,00 12,50 2,90	3 15,00 25,00 4,35	20 28,99
1			26 53,06 63,41 37,68	14 28,57 67,50 20,29	9 18,37 75,00 13,04	49 71,01
Let./Clenc.			41	16	12	69
Totals			59,42	23,19	17,39	100,00