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Psychometric Report

Culture Fair IQ Test- Revised

Description:

A 20-item test assessing the Intelligence. Low scores indicate low IQ; high scores indicate high IQ. The test yields **one main score** (overall standardized IQ score). The mean of the general score is 100, the standard deviation is 15.

Reference: Crampton, A., Jerabek, I. (2001). Culture Fair IQ Test - Revised. QueenDom.com.

Sample Size: 58,097

Sample Description:

The sample used in this study was randomly selected from a pool of more than one hundred and twenty thousand participants. It includes men and women, aged 10 to 80.

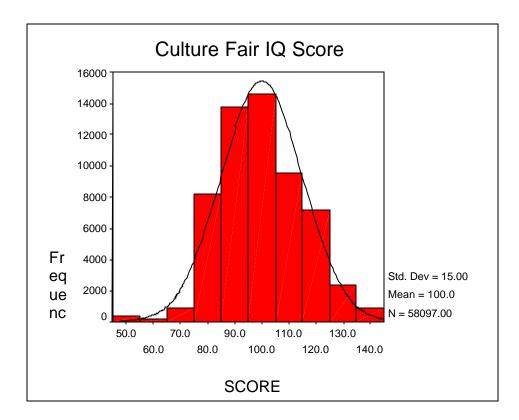
Number of questions: 20

Descriptive Statistics

See Annex 1 for Descriptive statistics

Distribution for the Culture Fair IQ Test – Revised version

The distribution of the scores is shown in red; the normal curve is represented by the black line plotted over it. The scores are displayed on the x-axis. The y-axis corresponds to the number of respondents who fall into the relevant score range.



Reliability and Internal Consistency

Split-Half Reliability

Correlation between forms: 0.5914 Spearman-Brown formula: 0.7432 Guttman's formula: 0.7432

Inter-Item Consistency

Cronbach's Coefficient Alpha: 0.7232

Correlation of Culture Fair IQ With other IQ tests

	Cattel	Standford-Binet	Raven	WAIS-R
Correlation	.8317	.6905	.8557	.7152
Ν	321	637	139	338

Criterion and Construct Validity

1. Relationship between level of formal education and IQ scores:

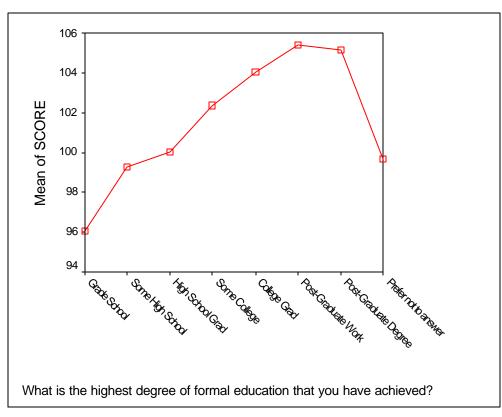
Question 1: What is the highest degree of formal education that you have achieved? Grade school Some high school High school graduate Some college College graduate Post-graduate work Post-graduate degree Prefer not to answer

a) IQ score:

Significant differences were found among groups of subjects with different formal education levels. Groups with higher formal education levels had higher IQ scores. The main effect is robust. See Annex 2 for a table showing post-hoc tests.

F_(7,25492) = 93.380 p < 0.0001





Descriptive statistics

SCORE

OUDINE							
	N Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	M	inimum Ma	iximum
				Lower Bound	Upper Bound		
Grade School	1043 96.07	13.25	.41	95.26	96.87	53	142
Some High School		13.81	.22	98.80	99.68	53	142
High School Grad	4041100.01	14.20	.22	99.57	100.45	53	142
Some College	8096102.36	14.69	.16	102.04	102.68	53	142
College Grad	5178104.05	14.73	.20	103.65	104.45	58	142
Post-Graduate Work	1126105.36	15.24	.45	104.47	106.25	53	142
Post-Graduate Degree		15.25	.34	104.44	105.79	53	142
Prefer not to answer	263 99.67	14.47	.89	97.92	101.43	67	142
Total	25500 101.93	14.69	9.20E- 02	101.75	102.11	53	142

2. Relationship between academic performance rating and IQ scores:

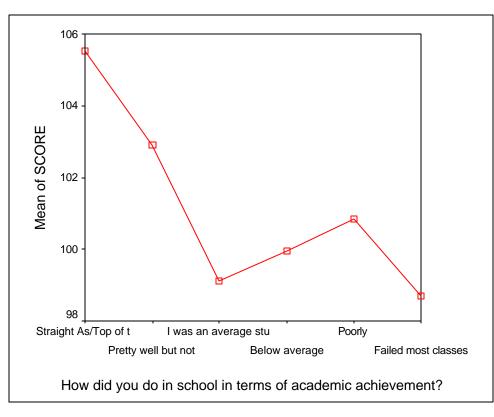
How did you do at school in terms of academic achievement?
Straight As/Top of the class Pretty well but not in the top 5 I was an average student Below average Poorly Failed most classes

a) IQ score:

Significant differences were found among groups of subjects with different academic performance ratings. Groups with higher academic performance ratings had higher IQ scores, with a slight, but insignificant bump in the group that had poor academic performance. The effects are robust. See Annex 3 for a table showing Post-hoc tests.

F_(5,24433) = 130.399 p < 0.0001

OVERALL IQ SCORE AS A FUNCTION OF ACADEMIC PERFORMANCE SELF-RATING



Descriptive statistics

SCORE

	N Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	M	inimum Ma	iximum
				Lower Bound	Upper Bound		
Straight As/Top of the class		15.34	.23	105.06	105.96	53	142
Pretty well but not in the top 5		14.46	.14	102.62	103.18	53	142
I was an average student		13.80	.16	98.82	99.43	53	142
Below average	1281 99.93	14.77	.41	99.12	100.74	58	142
Poorly	396100.86	15.20	.76	99.36	102.36	58	142
Failed most	253 98.72	16.37	1.03	96.69	100.74	53	142
classes							
Total	24439101.95	14.66	9.38E- 02	101.76	102.13	53	142

3. Relationship between field of work and IQ scores:

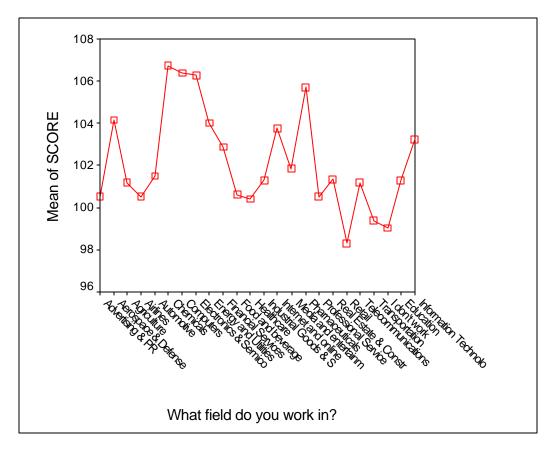
What field do you work in?

Advertising & PR Aerospace & Defense Agriculture Airlines Automotive Chemicals Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education Information Technology	
Agriculture Airlines Automotive Chemicals Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Advertising & PR
Airlines Automotive Chemicals Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Aerospace & Defense
Automotive Chemicals Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Agriculture
Chemicals Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Airlines
Computers Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Automotive
Electronics & Semiconductors Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Chemicals
Energy & Utilities Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Computers
Financial Services Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Electronics & Semiconductors
Food & Beverage Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Energy & Utilities
Healthcare Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Financial Services
Industrial Goods & Services Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Food & Beverage
Internet & Online Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Healthcare
Media & Entertainment Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Industrial Goods & Services
Pharmaceuticals Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Internet & Online
Professional Services Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Media & Entertainment
Real Estate & Construction Retail Telecommunications Transportation Travel & Leisure Education	Pharmaceuticals
Retail Telecommunications Transportation Travel & Leisure Education	Professional Services
Telecommunications Transportation Travel & Leisure Education	Real Estate & Construction
Transportation Travel & Leisure Education	Retail
Travel & Leisure Education	Telecommunications
Education	Transportation
	Travel & Leisure
Information Technology	Education
	Information Technology

a) IQ score:

Significant differences were found among groups of subjects within different fields of work. For example, subjects who work in the fields of computers, chemicals, electronics and semiconductors, and pharmaceuticals, have much higher IQ scores than those who work in the fields of retail, transportation, and those who don't work. See table including descriptive statistics for each field on the following page. See Annex 4 for a table showing Post-hoc tests.

F_(23,16026) = 21.494 p < 0.0001



OVERALL IQ SCORE AS A FUNCTION OF FIELD OF WORK

Descriptives SCORE

	N Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	M Upper	linimum Ma	ximum
				Lower Bound	Bound		
Advertising & PR	586 100.51	13.51	.56	99.41	101.61	53	142
Aerospace & Defense	295104.13	14.55	.85	102.47	105.80	53	142
Agriculture	199101.19	16.03	1.14	98.95	103.43	58	142
Airlines	99100.51	14.40	1.45	97.64	103.38	71	138
Automotive	223101.47	14.76	.99	99.52	103.42	67	138
Chemicals	260 106.70	15.91	.99	104.76	108.64	67	142
Computers	3000106.37	15.51	.28	105.81	106.92	53	142
Electronics &	436106.23	15.70	.75	104.75	107.71	62	142
Semiconductors							
Energy and Utilities	195104.01	15.35	1.10	101.84	106.17	67	142
Financial Services	957 102.87	13.91	.45	101.99	103.76	67	142
Food and beverage	724 100.64	14.09	.52	99.61	101.66	53	142
Healthcare	1608100.43	14.48	.36	99.72	101.14	53	142
Industrial Goods &	557101.28	15.14	.64	100.02	102.54	67	142
Services							
Internet and online	400 103.76	15.07	.75	102.28	105.24	62	142
Media and	1073101.86	14.56	.44	100.99	102.73	67	142
entertainment							
Pharmaceuticals	176105.69	15.93	1.20	103.32	108.06	62	142
Professional Services	2197100.49	14.11	.30	99.90	101.08	58	142
Real Estate &	301 101.36	14.64	.84	99.70	103.02	62	138
Construction		10.00				~-	
Retail	875 98.30	12.82	.43	97.45	99.15	67	138
Telecommunications	475101.19	14.36	.66	99.89	102.48	67	142
Transportation	222 99.37	14.42	.97	97.46	101.28	62	142
I don't work	266 99.00	12.64	.78	97.48	100.53	62	142
Education	742101.30	13.98	.51	100.29	102.31	58	142
Information Technology	184 103.23	14.92	1.10	101.06	105.40	67	142
I Otal	16050 102.32	14.78	.12	102.10	102.55	53	142

4. Relationship between position within a company and IQ scores:

What is your position?

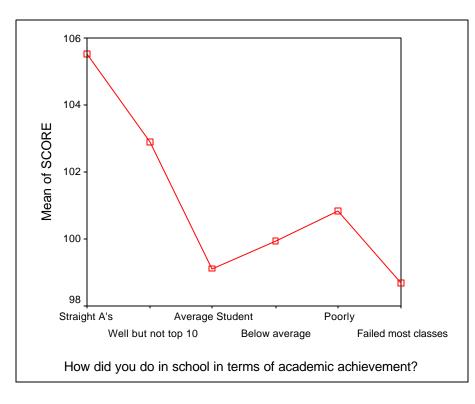
Senior Management
Other Management
Professional
Technical
Sales
Administrative
Other Employed
Homemaker/Full-time parent
Student
Retired
Not Employed

a) IQ score:

Significant differences were found among groups of subjects in different positions within a company. For example, subjects who are in professional or technical positions have higher IQ scores than those who are in sales or administration. See table including descriptive statistics for each field on the following page. See Annex 5 for a table showing Post-hoc tests.

 $F_{(10,20294)} = 40.860$ p < 0.0001

OVERALL IQ SCORE AS A FUNCTION OF WORK POSITION WITHIN A COMPANY



Descriptive statistics:

SCORE

	N Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	Mi	inimum Ma	ximum
				Lower Bound	Upper Bound		
Senior Management	785100.82	14.96	.53	99.77	101.87	53	142
Other Management	1558101.69	14.26	.36	100.98	102.39	62	142
Professional	3337103.19	14.81	.26	102.69	103.70	53	142
Technical	2155105.01	15.39	.33	104.36	105.66	62	142
Sales	967 98.52	13.51	.43	97.67	99.38	62	142
Administrative	1400 97.89	12.64	.34	97.23	98.55	58	142
Other Employed	1423100.70	14.12	.37	99.97	101.44	53	142
Homemaker/Full-time	498 100.91	14.35	.64	99.65	102.17	67	142
parent							
Student	7337103.23	14.84	.17	102.89	103.57	53	142
Retired	184 93.45	13.21	.97	91.53	95.37	58	138
Not Employed	661 103.12	16.45	.64	101.87	104.38	53	142
Total	20305 102.28	14.78	.10	102.08	102.48	53	142

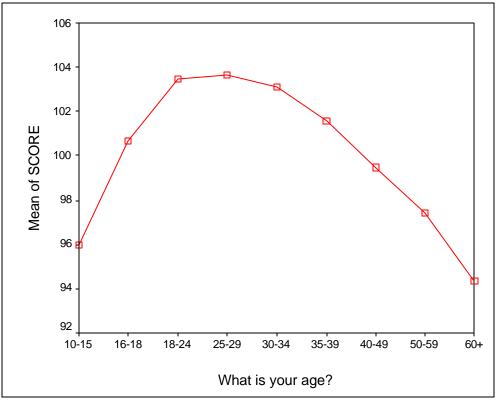
4. Relationship between age and IQ scores:

Question #7: How old are you?
10-15
16-18
19-24
25-29
30-34
35-39
40-49
50-59 60+

a) IQ score:

Significant differences were found among groups of subjects of different age groups. IQ increased with age until the age group of 25-29, after which it began to decline. See table including descriptive statistics for each age group on the following page. See Annex 6 for a table showing Post-hoc tests.

F_(8,34663) = 124.947 p < 0.0001



OVERALL IQ SCORE AS A FUNCTION OF AGE

Descriptive statistics:

SCORE

Descriptives

SCORE								
	Ν	Mean	Std. Std Deviation	. Error 95%	% Confidence Interval for Mean		/linimum	Maximum
					Lower Bound	Upper Bound		
10-15	3020	95.99	12.51	.23	95.54	96.43	53	142
16-18	5218	100.69	14.23	.20	100.30	101.08	53	142
18-24	10706	103.44	14.81	.14	103.16	103.72	53	142
25-29	5815	103.64	15.04	.20	103.25	104.02	53	142
30-34	3839	103.07	14.90	.24	102.60	103.54	53	142
35-39	2281	101.54	14.64	.31	100.94	102.14	53	142
40-49	2532	99.48	14.52	.29	98.92	100.05	53	142
50-59	989	97.40	13.78	.44	96.54	98.26	58	142
60+	272	94.36	13.48	.82	92.75	95.97	53	133
Total	34672	101.71	14.72 7.9	1E-02	101.55	101.86	53	142

Relationship between gender and IQ Scores

Significant gender difference was detected. Men scored significantly higher than women, indicating that men perform better on IQ tests.

 $t_{(8761)} = -29.035$

p < 0.0001

Women = 1.00	
Men = 2.00	

Group Statistics

	What is your Gender?	Ν	Mean Std.	Deviation Std.	Error Mean
SCORE	Women	16585	99.61	13.66	.11
	Men	15448 1	04.37	15.50	.12

ANNEX 1 - Descriptive Statistics

Statistics SCORE

SCORE		
N	Valid Missing	58097 0
Mean	5	100.00
Std. Error of Mean		6.22E-02
Median		97.73
Mode		98
Std. Deviation		15.00
Variance		225.01
Skewness		.205
Std. Error of		.010
Skewness		
Kurtosis		.367
Std. Error of		.020
Kurtosis		
Range		89
Minimum		53
Maximum		142
Sum		5809677
Percentiles	1	62.28
r crocritico	5	80.01
	10	84.44
	15	84.44
	20	88.87
	20 25	88.87
	25 30	93.30
	30	
		93.30
	40	93.30
	45	97.73
	50	97.73
	55	102.17
	60	102.17
	65	102.17
	70	106.60
	75	106.60
	80	111.03
	85	115.46
	90	119.89
	95	128.75
	97	133.19
	99	137.62

Annex 2: Homogeneous subsets for education:

SCORE

Tukey HSD

	N Subset for alpha =					
		.05				
What is the highest degree of formal education that you	L	1	2	3	4	
have achieved?	?					
Grade School	ol 1043 96	.07				
Some High School	ol 3769	9	9.24			
Prefer not to answer	r 263	9	9.67			
High School Grad	d 4041	10	0.01			
Some College	e8096		10)2.36		
College Grad	d5178		10	04.0510)4.05	
Post-Graduate Degree	e 1984			10)5.11	
Post-Graduate Work	< 1126			10)5.36	
Sig.	. 1.(000	.910	.097	.377	
Means for groups in homogeneous subsets are displayed.						

a Uses Harmonic Mean Sample Size = 1145.703.

Annex 3: Homogeneous subsets for academic achievement:

SCORE

Tukey HSD

	Ν	Subset for alpha = .05			
How did you do in school in terms of academic achievement?		1	2	3	4
Failed most classes	253	98.72			
I was an average student	7776	99.13	99.13		
Below average	1281	99.93	99.93		
Poorly	396		100.861	100.86	
Pretty well but not in the top 5	10231		1	102.90	
Straight As/Top of the class	4502			1	05.51
Sig.		.560	.171	.060	1.000
Means for groups in homogeneous subsets are displayed					

a Uses Harmonic Mean Sample Size = 778.520.

Annex 4: Homogeneous subsets for field:

SCORE

Tukey HSD

N Subset for alpha = .05					
	2	3	4	5	6
Retail 875 98.30					
I don't work 266 99.00 99.00	0				
Transportation 222 99.37 99.37	7 99.	.37			
Healthcare 1608 100.43100.43	3100.	.43100	.43		
Professional Services 2197 100.49100.49	9100.	.49100	.49		
Airlines 99 100.51100.5	1100.	.51100	.51		
Advertising & PR 586 100.51100.5	1100.	51100	.51		
Food and beverage 724 100.64100.64	4100.	.64100	.64		
Agriculture 199 101.19101.19	9101.	19101	.19		
Telecommunications 475 101.19101.19	9101.	19101	.19		
Industrial Goods & Services 557 101.28101.28					
Education 742 101.30101.30					
Real Estate & Construction301101.36101.30					
Automotive 223 101.47101.4					
Media and entertainment 1073 101.86101.8					
		.87102			
Information Technology 184	103.	.23103			
Internet and online 400			.76103		
Energy and Utilities 195		-	.01104		
Aerospace & Defense 295		104	.13104		
Pharmaceuticals 176			105	5.6910	
Electronics & Semiconductors 436)6.23
Computers 3000)6.37
Chemicals 260)6.70
Sig	8.1	03 .1	149 .	109	.111

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 331.780.

Annex 5: Homogeneous subsets for position:

SCORE

Tukey HSD

	N Subset for alp	oha = .05						
What position do you work in?		1	2	3	4	5	6	7
Retired	184	93.45						
Administrative	1400	1	97.89					
Sales	967		98.52	98.52				
Other Employed	1423			100.70	100.70			
Senior Management	785			100.82	100.821	00.82		
Homemaker/Full-time parent	498			100.91 [·]	100.911	00.911	00.91	
Other Management	1558				101.691	01.691	01.69	
Not Employed	661				1	03.121	03.121	03.12
Professional	3337				1	03.191	03.191	03.19
Student	7337					1	03.231	03.23
Technical	2155						1	05.01
Sig.		1.000	.999	.051	.965	.055	.069	.288
Means for arouns in homogeneous subsets are displayed								

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 773.419.

Annex 6: Homogeneous subsets for age:

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 1369.952.