SEE30 Statistics Report
October 2018

1. Scores histogram

2. Statistical properties

Mean	18,171
Median	18
SD	4,099
Max. Raw	29
Min. Raw	7
Variance	16,808
SEM	0,381
Skewness	-0,117
Kurtosis	-0,017

3. Reliability

Reliability measures for this test are excellent, as shown in the following table. Figures have remained stable since last norming at N=100.

Cronbach's α	0.896
Split-Half (Spearman-Brown Correction)	0.861

4. Solvability

A table of SEE30 items' solvability at N=117 follows (number of candidates that answered correctly to the total number of candidates, multiplied by 100). All items have been solved more than once. Percentages are not linked to corresponding items, in order not to predispose candidates against any question's difficulty. Remarkable is the quite smooth distribution of solvability rates.

S%	S%	S%	S%	S%
100	84.61	69.23	58.97	32.47
99.14	83.76	67.52	56.41	30.76
94.01	82.05	64.95	53.84	28.20
92.30	77.77	63.24	50.42	23.07
90.59	74.35	61.53	47.86	15.38
86.32	71.79	60.68	37.60	8.54

5. Correlations with other tests

Test	Pairs (n)	Pearson r	SEE30$_{avg}$	TestIQ$_{avg}$	SEE30IQ$_{avg}$
Supervised1	41	0.597	18.46	139.6	142
Supervised2	27	0.735	17.92	139.9	140
WAIS	13	0.876	17.76	139.4	139.4
RAPM	9	0.881	17.33	138.6	137.9
CCFIT III	3	0.991	18	149.3	140.3
X. Jouve, PhD	39	0.572	18.28	141.9	141.3
JCTI	15	0.834	18.26	143.3	141.3
C-09	9	0.745	17.88	139.2	139.9
TLAP-R	6	0.714	18.4	139.2	141.8
NVCPE-R	3	0.899	20	143.3	147.1
JCCES	3	0.991	20	145.3	147.1
J. Wai, PhD	20	0.566	20,95	152.7	150
SLSE I	11	0.869	21	153	150.3
SLSE 48	7	0.601	22	152.3	154
R. Lato	19	0.851	20.78	153.3	149.5
LS36	12	0.886	19.91	152.2	146.3
LS24	4	0.691	22.5	153.5	156.5

SEE30avg: Mean raw score on SEE30 of relevant candidates.
TestIQavg: Mean IQ performance on each test or set of tests of relevant candidates.
SEE30IQavg: Mean IQ performance on SEE30 (Final Norm) of relevant candidates.
Supervised: WAIS, RAPM, IBF-S, FRT-B, CFIT20R, CCFIT III, FRT-A, IST70R, OLSAT, Unknown Mensa Entrance Tests.
Supervised1: Scores including "ceiling" ones (eg. >x)
Supervised2: Scores excluding "ceiling" ones.
X.Jouve, PhD: C-09, JCCES, C-10, NVCPE-R, JCTI, TLAP-R, Encephalist, C-12.
J.Wai, PhD: SLSE I, SLSE II, SLSE 48. / R. Lato: LS36, LS24.

It has to be noticed that in case of supervised tests, 2 calculations were made, for reasons of comparison. Supervised1 row includes scores reported as "equal or greater" (as in FRTs for example), whereas Supervised2 excludes such scores (only specific scores were taken into account).
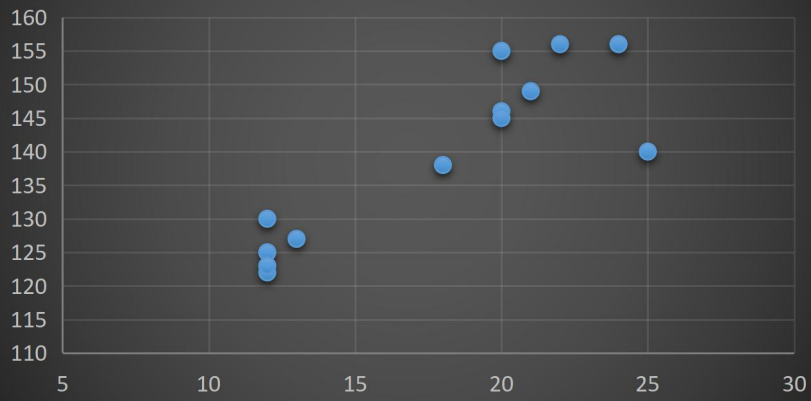
In case of Supervised1 row, scores of "greater than 131" were calculated as 131, for example.

As expected, both Pearson's r and mean IQ scores appear lower than they would in fact be.
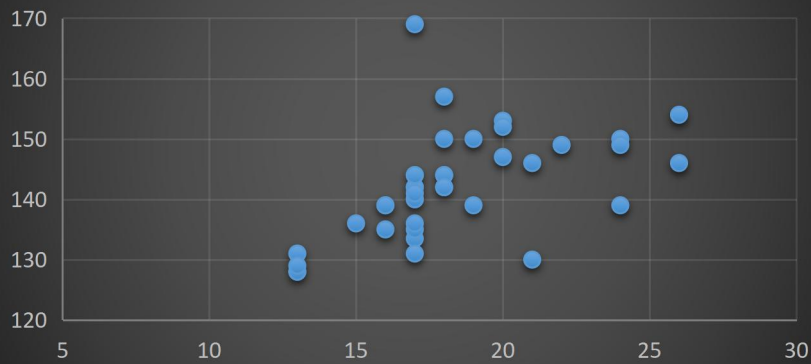
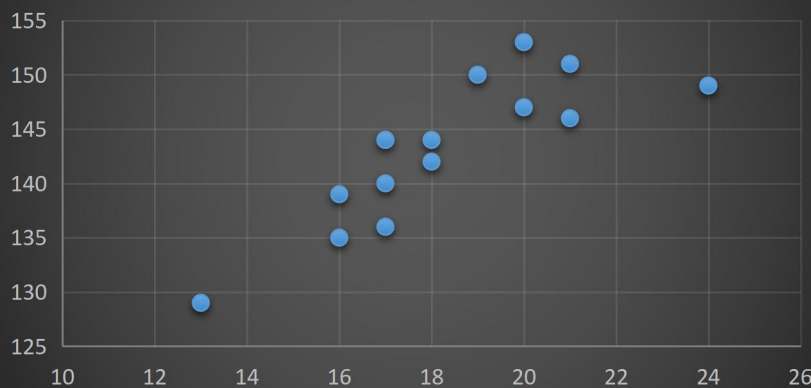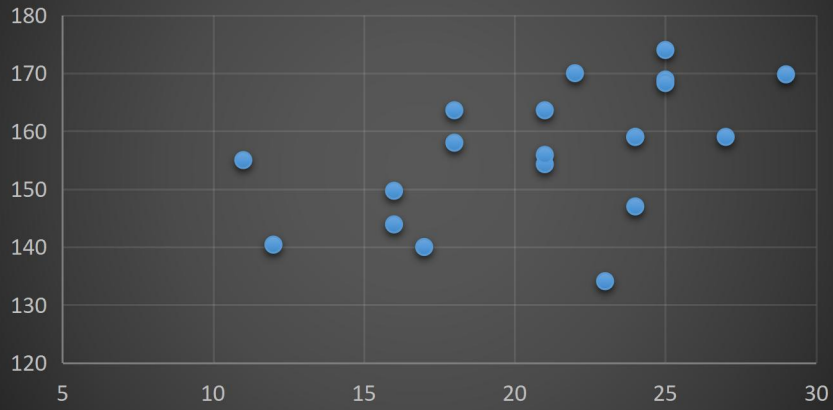Scatterplots for tests (or group of tests) with more than 10 score pairs follow.

Supervised Tests (1), r=0.597

Supervised tests (2), r=0.735
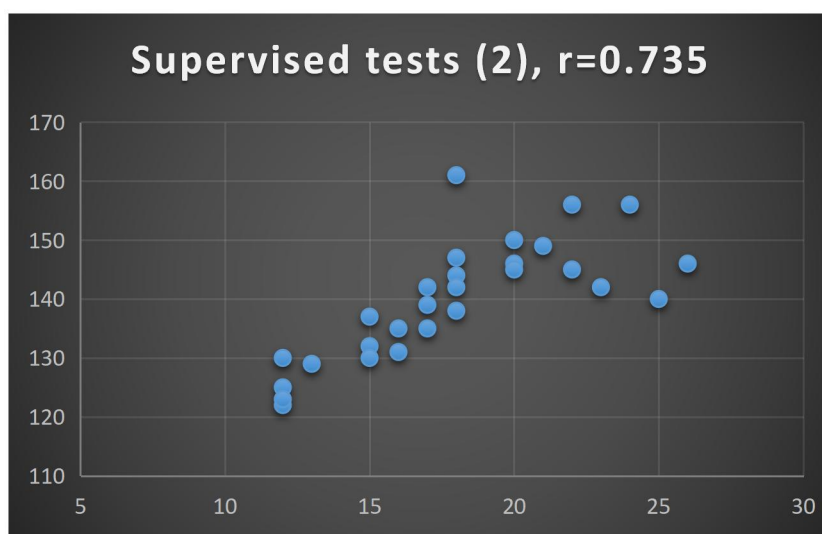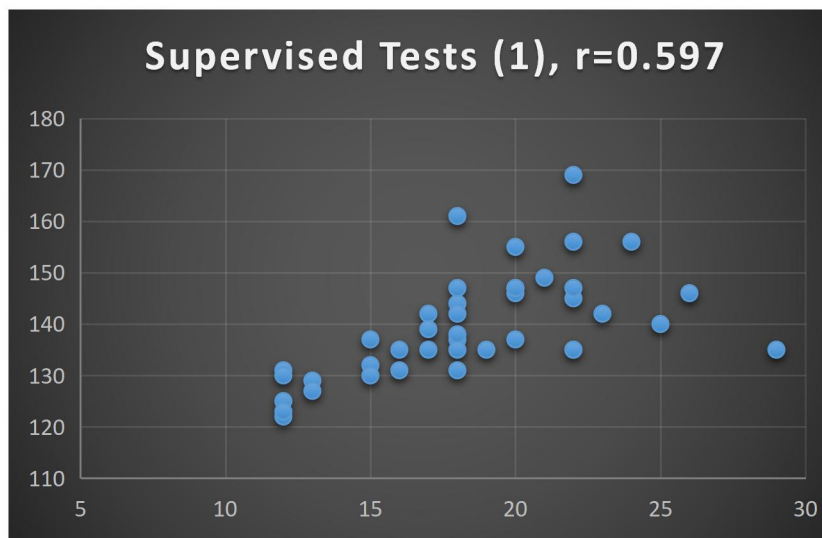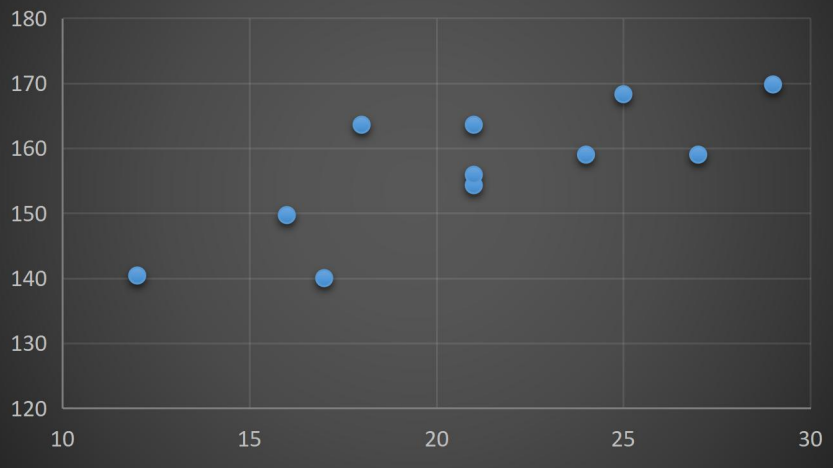
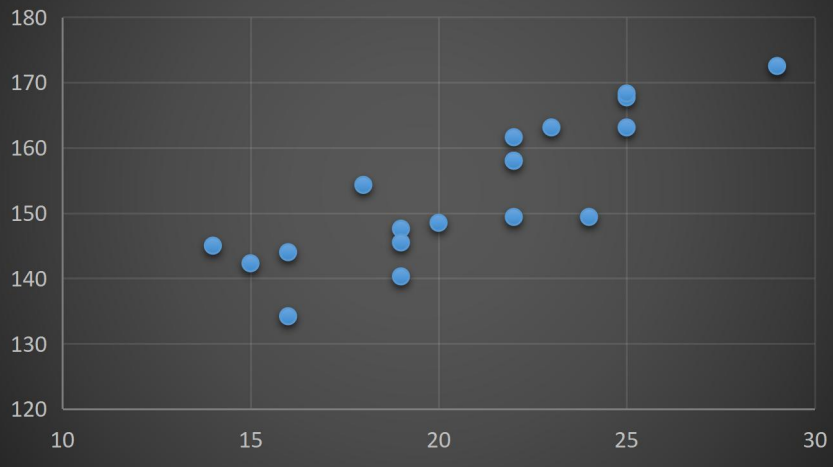WAIS, r=0.876

X. Jouve, PhD, r=0.572

JCTI, r=0.834

J. Wai, PhD, r=0.566

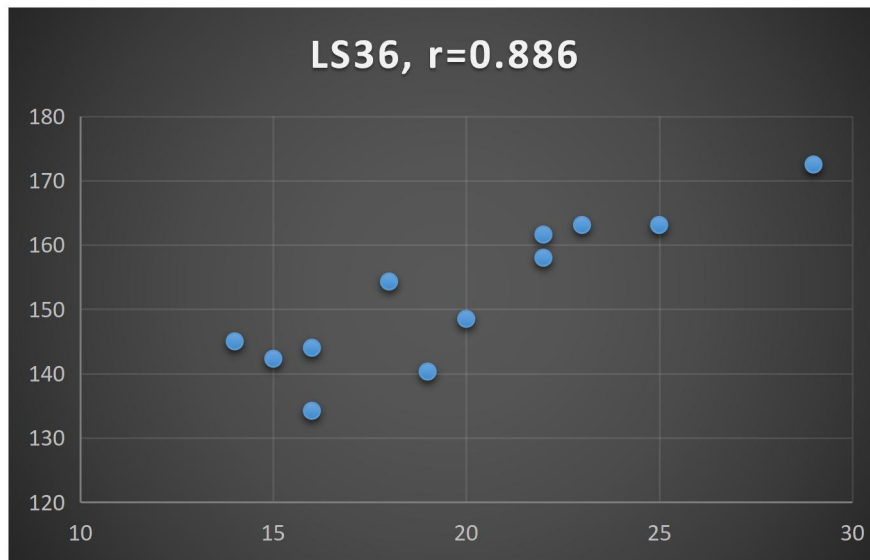

SLSE I, r=0.869

R. Lato, r=0.851

6. Mean performance per age group

Correlation between age and raw score is -0.1 (as shown in the following table), which practically suggests that one's result is practically irrelevant to their age (very weak negative correlation).

Differences among mean performances are, nevertheless, observed. As number of testees in each category grows (hopefully >100), these differences will probably diminish to non significant ones.

Min. Age	16
Max. Age	68
[<=20] Mean	20,2
[21,30] Mean	18,9
[31,40] Mean	16,6
[41,50] Mean	19
[51,60] Mean	17,7
[61,70] Mean	17
Correlation	-0,105

7. Final Norm

Raw Score	IQ (sd15)	Raw Score	IQ (sd15)
7	100	19	143
8	104	20	147
9	108	21	150
10	112	22	154
11	116	23	158
12	120	24	161
13	124	25	165
14	128	26	169
15	131	27	172
16	134	28	175
17	137	29	179
18	140	30	183

8. Summary

SEE30 seems to work fine as an IQ estimation tool, showing high positive to excellent correlation with classic psychometric batteries. There is no negative correlation with any test and in case of specific tests (not team of tests), no correlation below 0.6. High positive correlations along with practically normal distribution of scores shows that SEE30 is on the right track regarding decent IQ estimation.

Norm is quite unlike to change from now on; it's remained steady since 70-80 scores. However, as more submissions arrive, data will be renewed. If needed, adaptations to norm will be made after a total of 200 submissions.