



## SPECIAL REPORT

PERS 181

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DATA BANK

NATIONAL INSTITUTE FOR PERSONNEL RESEARCH  
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH

DATA BANK

A record has been compiled of all the files stored on magnetic tape each year from 1967 to date. The entries, grouped by originating division, are listed below for your information. It is not proposed to do anything with these files unless otherwise instructed. The cost of storage is negligible. Further information on variables can usually be found in the work file for the job which can be traced from the Data Bank reference number. Work files are stored in the Computer Division's archives.



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National Institute for Personnel Research.

Originating Division : Computer Services.

1. Test Data.

Test data for the Maximum Likelihood Factor Analysis program, NF29. 1967 : 27,28  
Test data for the Item Analysis Program NP50. 1968 : 50  
Test data for the STAT System. 1971 : 107

2. Psychiatric Study.

Standard deviations of 57 variables, derived from recoded data. (Sample size = 182). 1968 : 39  
Intercorrelation and factor matrices. 1968 : 65,66

3. Accountancy Questionnaire.

Data for 2281 subjects on 148 variables loaded in the form required by the tabulation programs. 1968 : 70

4. Selection of Programmers.

ISCOR : Data and intercorrelation matrices for samples of 60, 41 and 49 cases on 15, 18 and 26 test and criterion variables respectively. 1969 : 25-30  
Recoded data for a sample of 39 cases.

LEO : Data for old and new criterion schedules and the unrotated factor matrices derived from each. Also a matrix of obverted data. 1969 : 101-108  
The sample size was 32 and the number of variables ranged from 32 to 53.

S.A.R.: Unrotated factor matrix for the new schedule - 10 factors and 49 variables. 1969 : 109

5. Port Elizabeth University Biographical Questionnaires.

First study : Data consisting of information on 7 biographical variables and the responses to 276 multi-choice questions, and also the "blown-up" data, that is 0, 1 scores for each of the 1433 individual choices presented. (Sample size = 300). 1969: 110,110a

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Reference No.  
1971 : 24,142  
227-235

Second study : Data as for the first study but with only 4 biographical variables. The "blown up" data was in respect of 1395 items and there are separate data sets for Afrikaans and English males and females and for students in the faculties of Arts, Science, Commerce and Law. (Total sample = 404).

6. Factor Rotation (for Miss Styles).

A factor matrix of 35 creativity factors. (90 variables).

1969 : 120

7. Cape Town Beach Survey..

Two data sets for 590 subjects, each consisting of responses to 214 questions. In the first, missing information was coded as zero. In the second, invalid responses were included with missing information and coded zero.

1970 : 4,5

8. Regression Analysis (for Miss Humphriss).

Data for 43 subjects, 14 variables.

1970 : 44

9. Hyphaemas.

Data for 62 subjects, 33 variables.

1970 : 45

10. Riverlea Mental Health Survey.

Scores on 82 variables for the entire sample of 300 cases and also separately for males, females and "rating one".

1970 : 46-49

11. Manageress Selection (Edgars' Stores).

Biographical information and test scores for 45 subjects. (19 variables in all).

1971 : 38

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Reference No.

12. Fort Hare Study.  
Data for the entire sample of 498 subjects on 195 variables and also for a subset of 251 cases on 203 variables. The variables included biographical information, continuous letter checking scores and university and matriculation symbols. 1971 : 41,42
13. University of Port Elizabeth: "Gesinatmosfeer".  
Data for 98 subjects and an intercorrelation matrix and factor scores, all for 69 variables. 1971 : 43,44,46
14. Organizational Climate.  
For a sample of 42 cases there is a data set consisting of 50 item scores and 9 cluster scores; also an intercorrelation matrix and the unrotated and rotated factor matrices for 41 variables. 1971 : 50-53  
Separate data sets for 40 organizational climate variables, 40 self-realization variables and 60 self-actualization variables for a sample of 90 subjects. 1972 : 41-43  
Also scores for these subjects on sets of 18 and 3 variables. 1972 : 50,51
15. Pharmaceutical Questionnaire.  
Recoded data for 594 cases on 29 variables. 1971 : 108
16. S.A. Breweries - Attitude Scores.  
Scores for 139 subjects on 35 variables. 1971 : 109

Data Bank

Reference No.

Originating Division : Temperament and Personality.

1. Continuous Letter Checking Test and Measurement of Effort.

Scores for 170 subjects on 16 variables (hand scored). 1967 : 19

Scores for 306 subjects on 22 variables (computer scored). 1967 : 20

Intercorrelation matrix for 26 variables derived from 1967 : 29

470 subjects.

Twenty period scores for 72 subjects. 1968 : 54

For 72 matriculants there are original and additional 1969 : 90

CIC scores amounting to 52 variables in all.

For 48 pupil pilots there are data sets for heart and 1968 : 55

pulse rate and continuous letter checking test records. 1971 : 45

2. Choice Reaction Times.

Interquartile ranges, 25th and 75th percentiles, minima 1968 : 13-17  
and medians derived from 80 subjects for each of 108  
variables.

Also 16 records comprising for each of 4 groups the 1968 : 17a  
average values of the 25th and 75th percentiles, the  
minima and the medians for the same 108 variables.

3. Durban Roodepoort Deep : Symmetry Completion Test.

Scores for 118 Bantu mine workers on 74 variables 1968 : 67  
including 65 Symmco Scores, 5 NIPR test scores and  
4 biographical items.

Recoded data consisting of 25 Symmco I scores, with 1969 : 111  
the total Symmco II score and Education, Cube and  
Dudec scores.

Ditto for 25 Symmco II scores and the total Symmco I 1969 : 112  
score.

4. Derman Item Analysis.  
Responses to 51 items together with sex, the urban/rural code and a % score for the entire sample of 206 subjects. 1969 : 100  
Separate data sets for 100 males, 56 urban females and 50 rural females. 1969 : 17-19
5. Anxiety Test.  
The responses of 251 Group I subjects to 28 items. 1969 : 64  
Scores on "Anxiety" and four other variables for 251 subjects. 1969 : 65
6. Creativity Research.  
Work Attitude Scale :  
Data sets of 102, 15 and 117 cases each with 35 scores. 1969 : 75,81,82  
The derived "WORKATA" and "WORKATB" scores for the 117 cases. 1969 : 76,77  
Anxiety and Reaction to Everyday Situations :  
Scores on 9 variables for 183 College of Education testees. 1970 : 28  
Scores on 50 variables for 105 subjects. 1971 : 98  
Scores of 100 Wits Architects on 38 variables. 1971 : 99
7. GECO and Squares Detection.  
Scores of 125 subjects on 43 variables. 1969 : 67  
(Var. 42 = sum of vars. 24-27,  
Var. 43 = sum of vars. 28-31).
8. Famous Sayings Test.  
Scores of 338 subjects on 134 variables in both their original and their rearranged (correct) sequence. 1969 : 78-80  
Scores on 7 sub-tests and on 4 scores + 3 biographical variables. 1969 : 83,95  
Separate data for 8 non-university males. 1969 : 94



Data Bank  
Reference No.

9. Portable Rod and Frame Test.  
Separate data sets for 105 urban, 99 rural and the total sample of 204 cases. In each case the number of variables is 5. 1969 : 117-119
10. Risk Taking Tests.  
Scores for 72 subjects on 51 variables. 1971 : 6
11. Self-Rating Scale.  
Corrected data for 97 subjects on 30 variables. 1971 : 8
12. Curiosity Study.  
Responses of 97 subjects to 49 variables. 1971 : 9  
Six data sets of evoked potentials combined, providing a data set of 403 variables for 83 subjects. 1971 : 72
13. Object Series Test.  
Scores of the 2nd Group of 207 subjects on 20 variables which include 15 item scores and the total score, the F.S.T. and Cube scores, and age and education. 1971 : 100
14. Similarity Detection Test.  
Scores of 102 Roodepoort mineworkers on 30 variables which are 25 item scores and the total score, and O.S.T. and Dudec scores and age and education. 1971 : 101
15. Pattern Arrangement Test.  
Scores of 203 subjects on 18 variables. 1971 : 102
16. Body Image Test.  
Scores for 66 subjects on 13 variables. 1971 : 103

Data Bank  
Reference No.

17. Mosaic Patterns.

A data set for 24 scores each on the Triangles and Circles tests for 30 Bushmen and data sets for 24 scores each on the Triangles, Circles, Squares and Pentagons tests for 46 Art School students and 40 Bushmen.

1971 : 104-106

For the Art School sample there are also files with the co-ordinates of the data in original and obverted form, the intercorrelation matrix of profiles and obverted data for the circles test.

1972 : 37-40

18. Cross Cultural Research.

Test scores and biographical information for 102 mineworkers. (69 variables).

1972 : 17

Data Bank  
Reference No.

Originating Division : Neuropsychology.

Note : Data on the division's own magnetic tapes  
has not been included in the data bank register.

1. Decompression Project.

Scores on 58 variables for a control group of 75  
subjects and an experimental group of 77 subjects.

1967 : 1,2

Originating Division : Psychometrics.

Data Bank  
Reference No.

1. Acculturation Schedule.  
Recoded scores on 52 items plus 3 criteria, and for the 52 items alone; also a factor matrix of dimensions 6 x 52. (sample size = 100). 1967 : 24-26
2. Johannesburg College of Education Attitude Questionnaire.  
Responses of 405 subjects to 51 questions. Factor matrices of dimensions 10x30 and 10x10. A second order factor matrix of dimensions 3x10 and a 30x30 intercorrelation matrix. 1968 : 18-21a
3. Dentistry Study.  
Scores in original and obverted form for first, second, third, fourth and fifth year students separately. The variables included scores on five tests, two interest questionnaires, and matric and university performance. The number of variables increased successively each year. 1968 : 27,71-80
4. International Biological Program - Mental Abilities.  
Scores for 417 subjects on 29 variables and also separate data sets, intercorrelation, covariance and factor matrices for different groups of subjects and sets of variables. (eg. "rural literates" = 16 variables; "transitional + urban", - 29 variables). 1969 : 8-16,  
24,  
31-63
5. Picture Frustration.  
Scores for 106 subjects on 189 variables. 1969 : 113
6. Chamber of Mines Replacement Battery.  
Item responses and test scores for 6 theoretical and 6 practical criteria and 33 predictor variables, and intercorrelation and factor matrices for groups of variables. (Sample size = 149). 1969 : 209-233  
1970 : 52-54

7. General Selection Battery (See also paragraph No. 12).  
Samples of 80 (English) and 295 subjects with scores on 232 AKB items, and also the single test score AKBTI computed by the item analysis program for each of 307 subjects. 1970 : 1-3
8. Authoritarian Scale.  
Data for different groups of males and females with scores on 108 variables. Also data sets for Afrikaans males and females separately for 108 item scores + 9 sub-totals and a grand total score. There are also an obverted data set and an intercorrelation matrix for 498 Afrikaans females, 108 variables. 1970 : 6-20  
For 375 cases there are scores on the single variable, "TESTS". 1971 : 25  
Data, intercorrelation and factor matrices for Afrikaans and English subjects separately, and for all cases combined, for 60 variables. 1971 : 143-150
9. "W" Questionnaire.  
Two sets of data, Form I containing 9 scale scores for 246 subjects and Form II 10 scale scores for 159 subjects. 1970 : 21,22
10. Portable Rod and Frame.  
Design matrix of dimensions 3 x 12. 1971 : 2

11. Deductive Reasoning Test. (See also next paragraph).

Separate data sets for each of 6 groups with scores on 57 variables and also for the six groups combined, the scores being in their original sequence and also rearranged. Data sets for the three forms of the tests and data sets containing the single test score for each form. There are also an observed variate mean vector for 54 variables and the scores of 55 subjects on the 4 variables "easiness", "content", "figure" and "mood" as prepared for AID analysis.

1971 : 22,27-37  
66-68

12. Deductive Reasoning, General Selection Battery and C.S.I.R. Battery.

Test scores on 45 variables for 160 subjects, and the single test score derived from 36 items.

1972 : 4-7  
12,13,18

A single test score and responses to 50 items of the "Gevorderde Woordeskat" test for 72 subjects.

Scores on 45 D.R.T. and 30 G.S.B. items, separately and combined, and on 15 variables, all for 160 subjects.

13. Rod and Frame and Tilting Room Tilting Chair Tests.

A 14 x 36 design matrix, a 36 x 36 covariance matrix derived from 245 subjects, a set of means and a "model matrix" for 36 variables.

1971 : 69,73,74  
1972 : 26,27

14. Reaction to Everyday Situations Test.

Scores for 260 Psychology I students, 52 variables.

1972 : 21

Data Bank  
Reference No.

15. Diagram Test.  
Responses of 281 subjects to 126 items recoded according to illusion types. Illusion scores, T.R.T.C., Gottschaldt and Mental Alertness scores for 274 subjects. 1972 : 22,23
16. High Level Battery. (Olivetti Staff).  
Scores on 9 tests for 484 subjects. 1972 : 25
17. Personality Questionnaire.  
Responses of 371 engineering students to 169 items. 1972 : 45
18. I.B.P. Motivation.  
Biographical information on 13 variables for 290 subjects both in original form and after skewness had been corrected. Biographical data combined with need scale scores for the same sample. 1972 : 66-68

	<u>Data Bank</u>	<u>Reference No.</u>
<u>Originating Division : Psychology of Learning.</u>		
1. <u>DOKTOR.</u>		
Varimax rotated factor matrix for 12 factors derived from the scores on 38 variables of 220 subjects from ISCOR, 111 from Wingfield, 93 from STO and 50 from T.D.K.	1968	: 51
Scores for 59 subjects on 39 variables.	1969	: 3
2. <u>Electricity Tests.</u>		
Data for 71 subjects consisting of scores on 21 tests and a criterion.	1972	: 19
Sets of results for each of 12 tests derived from item analysis runs, including the total scores, the no. of items and the mean response. (Note : the no. of items and the mean response are missing for the third test).	1972	: 69



Originating Division : Management Studies.

Data Bank

Reference No.

1. T - Group Research Project.

Original and recoded scores on 214 variables for one experimental and three control groups. (There were 79 subjects in the experimental group and 37, 32 and 11 in the control groups).

1969 : 4-7

2. Semantic Differential.

Original and re-ordered data.  
(Sample size = 159, no. of variables = 270).

1969 : 115, 116

3. S.R. Questionnaire (Netherlands).

A 40 x 40 intercorrelation matrix derived from 205 cases.

1972 : 14

Originating Division : Industrial Ethnology.

1. Border Industries.

(a) The Golden Florin and Rustenburg Factories.

<u>Urbanization</u> scores, years schooling, F.S.T. and Spiral Nines scores - two data sets for each factory	1969 : 11,12 81,82
<u>Exit interviews</u> of 41 questions for 150 Golden Florin and 215 Rustenburg employees.	1968 : 40,41
<u>A Sociological Schedule</u> of 86 items for 418 Rustenburg employees.	1968 : 42
<u>Sociological Schedules</u> of 61 items each for 505 Golden Florin and 767 Rustenburg employees.	1968 : 83,84
<u>Record Card</u> data of 193 items for 492 Golden Florin and 773 Rustenburg employees.	1968 : 56,57
Data in respect of 33 selected variables for each factory separately and for the two factories combined.	1968 : 58-60
<u>Unemployment Study</u> : Scores on 22 items separately for 209 Golden Florin and 338 Rustenburg employees.	1968 : 61,62
<u>European supervisors</u> : Responses to 156 questions for each factory separately and for both factories combined.	1968 : 49,22,23
Separate data sets for Rustenburg males and females for 83 selected variables and also data sets for the 74 variables required for the calculation of accession, separation and absence rates.	1969 : 87,88 1969 : 91-93
Data recoded for AID analysis comprising the scores of 455 Golden Florin employees on 15 variables.	1971 : 159
(b) <u>The Benoni and Good Hope Textiles Factories.</u>	
Various data sets for all employees at each factory and for the interview samples. The variables included those on record cards and schedules and the derived accession, separation and absence rates.	1971 : 16,17 75-89 165-175 1972 : 30-36

2. I.B.P. Motivation Study of Urban Pedi and Rural Venda.

Data sets with responses to the first and second motivation questionnaires; the raw and weighted scores on the Incomplete Sentence Test and derived motivational indices. There are separate data sets for rural and urban subjects, and also for samples matched by age, intercorrelation matrices for 100 and 70 variables and rotated and unrotated factor matrices of dimensions 81 x 82.	1969 : 96-99 1970 : 26 1971 : 11,12, 56-59 88-97 138-141; 176-177
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3. I.B.P. Study of Mental Abilities.

For 31 variables which include cognitive test scores as well as biographical information there are data sets for rural Venda and urban Pedi subjects, both separately and combined and subdivided further into literate and illiterate.	1970 : 27 1971 :10,13-15 119-137 178-226
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Rural and urban data also for a subset of 22 variables.

Data sets for rural literates and illiterates, urban literates and illiterates with scores on 13 variables, for matched and unmatched samples, and also intercorrelation, covariance, factor and target matrices.

Matched sample data for 22 variables and factor analysis data sets for 10 of these variables.

	<u>Data Bank</u>
<u>Originating Division : Applied Social Psychology.</u>	<u>Reference No.</u>
1. <u>SANLAM Morale Dimensions.</u>	
Separate data sets for responses to the blue/pink and white/yellow schedules, each consisting of 178 items. Separate data sets for recoded data, and covariance, factor and tetrachoric correlation matrices in respect of male clerks and female clerks for the first 83 variables.	1968 : 1-10
2. <u>Bantu Wage and Productivity Association.</u>	
A data set for 304 subjects and 185 variables.	1968 : 43
3. <u>Aircraft Noise Research.</u>	
Responses of 123 persons living near Kempton Park to a questionnaire of 94 items.	1968 : 63
4. <u>Building Industry Apprentices.</u>	
Responses of 95 apprentices to 66 questions.	1968 : 64
5. <u>Motivation and Career Expectations Questionnaires.</u>	
One data set for 172 male and female students, and another for the 160 female students at the College of Education, both containing responses to 100 motivation questions.	1969 : 72-74
Data sets containing the responses of students to the 89 questions on career expectations.	1969:84,86,89
Data sets for the 155 female students who answered both questionnaires - 189 variables.	1969 : 85,114

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Reference No.

6. Road Safety Research.

Scores on 38 variables for 4708 cases.	1969 : 155
Scores on 46 variables embracing biographical information, knowledge of traffic regulations and road signs, test scores and ratings on personality attributes and driving proficiency for 35 white and 35 black drivers both separately and combined. Also a corrected data set for AID analysis.	1971 : 20,64, 160-162
Criterion test scores on 118 variables for the two groups separately and combined, in original and recoded form.	1971 : 54,55, 61,62,

Originating Division : C.S.I.R. Personnel Selection and  
Vocational Guidance.

1. Research Scientists.

Data sets containing the responses of 144 subjects on the 135 items in each of the two questionnaires (I and II). 1971 : 4,5

Data sets with reflected and rearranged scores on 122 items and 123 items respectively. 1972 : 2,3

For 148 subjects there are data sets for responses to 60 questions in Questionnaire A in original and reflected form; and similar data sets for the 147 subjects answering the 84 questions in Questionnaire B. 1972 : 8-11

Correct scores on 46 variables for 64 Afrikaans and 82 English subjects separately and combined. Component scores and separate intercorrelation matrices for each language group. 1972 : 52-60

2. Calculation of Multiple Correlations for Mr van Tonder.

Scores for 287 subjects on 16 variables. 1972 : 20

	<u>Data Bank</u>
<u>Originating Division : Personnel Selection and</u>	<u>Reference No.</u>
<u>Vocational Guidance.</u>	
1. <u>New Boss-Boy Selection.</u>	
A data set of scores on 62 variables for 156 subjects.	1971 : 1
2. <u>Job Classification Scheme.</u>	
Data set of scores on 8 variables for 413 subjects combined for 4 different groups.	1971 : 3
3. <u>Job Attitude Questionnaire.</u>	
Data sets of scores on 35 variables for 188 subjects in both original and recoded form, and intercorrelation and factor matrices.	1971 : 21,158, 163-164
4. <u>S.A. Breweries.</u>	
The data set of primary and high school groups combined used for the derivation of norms. In addition to the test score there is coded information on education, ethnic group and age for 1035 subjects.	1972 : 1
5. <u>Job Families.</u>	
A data set for A.I.D. analysis consisting of scores on 5 variables for 812 subjects.	1972 : 16
6. <u>Vocational Guidance Follow-up Questionnaire.</u>	
The data for the Interview Sample - 289 items for 325 cases - loaded in form required for tabulation.	1972 : 48
7. <u>Chamber of Mines.</u>	
A data set for A.I.D. analysis for 2345 mine workers with scores on 5 tests and on 5 predictor variables.	1972 : 70,71

