„PIAAC, International Pilot Study on Non-Cognitive Skills" – Study description for the GESIS Data Catalogue

Bibliographic Citation

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Study No.	ZA6941
Title	The Programme for the International Assessment of Adult Competencies (PIAAC) – International Pilot Study on Non-Cognitive Skills
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Content

Content	This online survey was designed to test the measurement properties of nine personality scales – the Big Five, Traditionalism, Self-Control, Self-Efficacy, Honesty/Integrity, Socio-Emotional skills, Intellectual Curiosity, Job Orientation Preferences and Vocational Interests. Eight of these nine scales are existing scales (or combinations of scales) available for use in public domain. The scale assessing socio-emotional skills was developed by an expert group[1]. The full formulations of items in all scales are presented in the attached excel file.
Design of the online survey	The online survey was designed with following objectives: 1) Testing the measurement characteristics of selected scales; 2) Testing the cross national comparability of selected scales.

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Table 1. Personality scales in the online survey

Scale	Number of items	Response scale
Big Five	60	Agree/Disagree
Traditionalism	8	Agree/Disagree
Self-Control	20	Agree/Disagree
Self-Efficacy	8	Agree/Disagree
Integrity-Honesty	12	Agree/Disagree
Socio-Emotional Skills	16	Never/Always
Intellectual Curiosity	6	Not at all/To a high extent
Job Orientations	10	Not at all/Very important
Vocational Interests	30	Like/Dislike
Total	**170**	**5 different response scales**

Background questionnaire

In order to examine the analytic potential (and policy relevance) of the selected personality measures, the survey included a number of socio-demographic and economic and personal wellbeing indicators as well as a short cognitive ability test.

In particular, it includes:

Socio-demographic characteristics: Gender, age, country of birth, mother tongue, marital status, educational attainment, and parental education.

Economic and wellbeing indicators: Broad activity status, occupational status, subjective health, social trust, life satisfaction, and personal wellbeing.

Quality control questions: In order to check the quality of the response data, the survey included three quality control items placed within the Big Five, Self-Control, and Socio-Emotional skills scales. These were later used, along other indicators of data quality, for the creation of an overall quality control indicator and removal of poor quality responses.

Methodology

Geographic Coverage	Germany (DEU), Spain (ESP), France (FRA), Japan (JPN), Poland (POL)
Universe	Persons between 16 and 65 years in Germany, Spain, France, Japan and Poland
Selection Method	7436 responses were collected, around 1500 by country. Out of these, 6.6% respondents were excluded after failing on various quality control criteria - age, testing time, ability test, consistency of answers, answers on quality control questions, incomplete responses. An aggregate quality indicator was constructed based on these criteria and respondents with poor response quality were removed from the datasets. Thus, in the final sample there are 1.314 French respondents, 1.240 Japanese respondents, 1.380 Spanish respondents, 1.538 German respondents and 1.452 Polish respondents. The sample was a convenience sample and is therefore unrepresentative of the populations in the countries concerned. Quotas were used to ensure a gender and age distribution that broadly represented national's census data.

Criteria for quality control and exclusion: Quality control was undertaken using the following 8 criteria:

- *Testing time* - excluding those that answered in less than 6 minutes and marking those who had finished in between 6-8 minutes (1 point);
- *Age* - excluding those younger than 16 and older than 65;
- *Ability test results (2 criteria)* - marking those that repeatedly answered "don't know" or that did not have single correct answer (1 point for each of the two criteria);
- *Quality control items (3 criteria)* - marking those that failed one, two or all three quality control answers (1 point for each failed quality control item);
- *Consistency in answering* – marking those that gave the same answers to four pairs of opposing/reverse questions (e.g. "Is neat" vs. "Is messy"; or "Is talkative" vs. "Tends to be quiet").

In the end an overall quality indicator (named "quality") was compiled combining all these individual criteria. Non-complete cases as well as duplicates were excluded from the database.

Mode of Data Collection	Web survey, entire survey was conducted online. The survey was implemented using Survey Monkey platform.
Data Collector	Cint company
Date of Collection	30.01.2017 – 06.03.2017

Data & Documents

Dataset	Number of Units: 6924 Number of Variables: 219 Analysis System(s): SPSS, Stata
Current Version	1.0.0, 16.08.2018, doi:10.4232/1.13062
Availability	C - Data and documents are only released for academic research and teaching after the data depositor's written authorization. For this purpose the Data Archive obtains a written permission with specification of the user and the analysis intention.
Available Data and Documents	- Data set (Stata and SPSS format) - Codebook – presenting variable names, original item formulations and response options - Print version of online questionnaires - Questionnaire items translations

Publications

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Groups

Study List

- ZA5650 Programme for the International Assessment of Adult Competencies (PIAAC), Cyprus
- ZA5845 Programme for the International Assessment of Adult Competencies (PIAAC), Germany - Reduced Version
- ZA5846 Programme for the International Assessment of Adult Competencies (PIAAC), Germany - Extended Version – Regional Data
- ZA5963 Programme for the International Assessment of Adult Competencies (PIAAC), Germany - Extended Version – microm data
- ZA5951 Programme for the International Assessment of Adult Competencies (PIAAC), Germany – Prime Age (2012)
- ZA5969 Competencies in Later Life (CiLL) - Programme for the International Assessment of Adult Competencies (PIAAC), Germany
- ZA5989 PIAAC-Longitudinal (PIAAC-L), Germany
- ZA6712 Programme for the International Assessment of Adult Competencies (PIAAC), log files
- ZA6940 Programme for the International Assessment of Adult Competencies (PIAAC), English Pilot Study on Non-Cognitive Skills
- ZA6941 Programme for the International Assessment of Adult Competencies (PIAAC), International Pilot Study on Non-Cognitive Skills