Development of a coding platform

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3MC Chicago
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This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 654221.
Purpose (1)

Occupation, industry, employment status, educational attainment and field of education are core variables in many socio-economic and health surveys. This WP will develop a cross-country harmonized, fast, high-quality and cost-effective coding module for these variables. The module will use a large multi-lingual dictionary with ten thousands of entries about job titles, industry names and fields of education and training. Additionally, the module will include country-specific, structured lists of educational qualifications and employment status categories.
Purpose (2)

This task aims to program a web-based module for survey questions and answers (Q&A) for the five socio-economic variables and for the auxiliary variables required for valid coding to serve computer-assisted surveys using web, mobile, tablet, laptop or telephone; interviewers or respondents use search tree navigation or semantic matching techniques to search the relevant databases; the module facilitates single item and batch identification.
Purpose (3)

Included in the module is an Application Programming Interface (API)

The module should facilitate surveys in EU-27 and EU-ass13 countries with the five most spoken languages outside this area will be included: Russian, Mandarin, Arabic, Hindi and Bahasa, leading to a total of 34 languages servicing 99 countries.
Deliverables

• D8.1.1 MODULE for five core and few auxiliary for survey Q&A in 99 countries + explanatory note (M24)
• D8.1.2 API for databases + explanatory note (M24)

Related deliverables

• D8.2.1 Database of occupations (M48)
• Database of educational attainment (M36)
• D8.4.1 Database of industries (M24)
• D8.5.1 Database of employment status (M12)
• D8.6.1 Survey Q&A (M12)
• D8.7.1-4 Dissemination, website, workshop, training
Participating partners

- Lead partner: SHARE (CentERdata)
- Partner: UvA (AIAS / WageIndicator)
- Partner: Gesis (CAMCES)
Software components and architecture

• Frontend (Webportal)
• Backend
• API => throws JSON objects
Software components and architecture

Excel

Import

Working DB

Publish

Master DB on webpage

Export

Country selection possible

Export

Export

Syntaxes for recodes

CAWI DB

Integration in CAWI-Tool

CAPI DB

Integration in CAPI-Tool
Progress and timeline

1. Program a web-based module for survey questions and answers (Q&A) for the five socio-economic variables.
   - CAMCES (education) (work in progress, various versions fielded, 60% ready)
   - Demo Webportal (work in progress, 80% ready)
   - Library of best practices (started)
   - Backend (work in progress, 20% ready)
Progress and timeline

2. Development of the API for the databases, developed in work package 8.
   – API structure called using jQuery (100%)
   – What variables (ongoing discussion)
   – Create designer that defines algorithm (20%)
   – How does API integrate in questionnaire (ongoing discussion)
Impression of the tool

- Frontend: [http://www.codings.centerdata.nl](http://www.codings.centerdata.nl)
Impression of the tool

• Backend:

Imports

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</table>

Page 1 of 1, showing 3 records out of 3 total, starting on record 1, ending on 3

Descriptions

Autosuggest

Import: CAMCES
Locale: All locales
Query: test
Code: Attestation fédérale de formation professionnelle
Eidgenössisches Berufsattest - 2 Jahre
Attestato federale di capacità - Apprendistato 3-4 anni
Various ways of connecting

• Download example JavaScript
• Download example questionnaire
• Download a copy of the database
• Download DDI document
• Download a compiled DLL to link to your CAPI environment
THANKS

Maurice

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