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Group work in Learning Programming (GAPL)

Version 1.0.0

Data Package Overview

January 2023

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Overview of Data Package “Group work in Learning Programming (GAPL)”

Study Series	Digital Programming in a Team (Dip-iT)
Institutions	Humboldt-Universität zu Berlin Otto-von-Guericke Universität Magdeburg
Sponsored by	Federal Ministry of Education and Research
Project Contributors	Sandra Schulz, Sarah Berndt, Anja Hawlitschek
Data Curation	Dilek İkiz-Akinci, Johanna Niebuhr
Topics	learning programming, computer science education, computer science, collaborative and cooperative learning, higher education
Survey Design	Cross-Section
Survey Data Type	Qualitative Data
Surveys	Survey 1: Interviews with lecturers Survey 2: Interviews with students
Population	Survey 1: Lecturers who, according to the module structures, have held lectures and/or exercises in corresponding basic courses (1st - 2nd semester) for Bachelor students of (Applied) Computer Science and related courses such as Business Informatics, Computational Visualistics, Business Mathematics and Mathematical Methods between the summer semester 2017 and the summer semester 2020. Survey 2: Students in the 3rd to 6th semester of a Bachelor’s degree program in (Applied) Computer Science, Business Informatics or Engineering Informatics. The students attended the basic courses for learning programming or introduction to databases between the summer semester 2015 and the summer semester 2020.
Sampling Procedure	Survey 1: Non-probability Sample: Purposive Sample Survey 2: Non-probability Sample: Respondent-assisted Sample
Survey Method	Survey 1, 2: Semi-structured Interview
Field Period	Survey 1, 2: 1st May to 31st July 2020

Net Sample Size	Survey 1: n = 10 Survey 2: n = 15
Remarks on the Surveys	Survey 1: While the lectures were attended by 30 to over 100 students, the exercises were mostly designed for a group size of 20 to 50 participants. The group of lecturers consists of one professor and 9 staff members. 8 out of 10 of the lecturers already had teaching experience, but rarely in relation to the specific event (30%). Survey 2: Among the 15 students, two master's students of Engineering Informatics and Digital Engineering in the 2nd also participated .
Data Products and Access Ways	SUF: Download
Data Collection	Collection 1: Interview Transcripts from Lecturers incl. Context Informations, Transcription Conventions and Rules, Questionnaire for Lecturers, Informed Consents SUF: Download (n = 10) Collection 2: Interview Transcripts from Students incl. Context Informations, Transcription Conventions and Rules, Questionnaire for Students, Informed Consents SUF: Download (n = 15)
DOI	10.21249/DZHW:dipit2020:1.0.0
Release Notes	The release notes for this version of the data package can be found here under "Documents related to this Data Package".
Data Package Publications	Publications related to this data package can be looked up here under "Related Objects".
Additional Links	DiP-iT project website

