

GRINS - Project: Database on University Students: Integration of university, administrative, and survey data to build a panel on student careers.

Description:

- Construction of a panel dataset on the career paths of university students through the mapping and integration of administrative data and Alma Laurea data for students of partner universities in PE9. Integration of administrative data and Alma Laurea.
- Integration of the panel dataset on student careers with Anagrafe Nazionale Studenti, INVALSI.
- Integration with data acquired through surveys and experimental research conducted by the research group on students and universities.
- Contribution to the Amelia platform.
- Design of a set of indicators and a dashboard that can provide useful information for the governance and decision-making processes of partner universities, and potentially for the general public as well.
- Long-term sustainability. Opening of services to non-partner universities during and after the PE9-GRINS funding period (evaluations as part of the overall strategy of the foundation).

Data, Data Sources, and Period:

- **Administrative data** - University statistical office - from a.a. 2012/13 (or from 2015 for some universities) to 2022/23
- **Data on the background and employment status of students** (year 1/3/5) – AlmaLaurea
- **Data on educational background** - Ministry of Education and Merit (MIM) – students enrolled in elementary school from 2011/12 to 2022/2023.
- **Data on standardized national assessments of learning/student surveys/teacher surveys** - National Institute for the Evaluation of the Education System (INVALSI) – from 2011-12, for grades 8 and 13 (3° anno secondaria di primo grado- 5° anno secondaria secondo grado)
- **Sustainability skills assessed through ad hoc surveys** related to market demands.

ABCD: Reconstruction of the entire academic educational path (elementary school, middle school, high school, and university), and professional journey of students enrolled in FIVE partner universities (Tor Vergata, Bergamo, Alma Mater Studiorum of Bologna, Cagliari, Napoli Federico II) over the last decade.

AB: Reconstruction of the academic and professional path specifically related to the university education of students enrolled in all partner universities. The data will be subject to embargo; however, the related indicators will be freely accessible.

Pillars

Cooperation Agreement with the Ministero dell'Istruzione e del Merito: The agreement create an integrated dataset comprising information from universities

(five universities involved in the work package), INVALSI, and MIM. The goal is to construct a dataset that links the universe of students enrolled in universities during specific years with information obtained from MIM about the same students, covering their education from grade 1 to grade 13, the standardized tests from INVALSI, and the employment outcomes provided by AlmaLaurea. This document includes: the project description, the list of required variables, and the data flow..

Codebook: Codebook with description of how data are structured within different databases. It is a building block to merge administrative data from partner universities and AlmaLaurea data on students' backgrounds and occupational status. This codebook is instrumental in creating a panel database of university students.

Dashboard: Central themes: International Mobility Inbound and Outbound from BA to Master; Geographic Attractiveness/Mobility in the School-to-University Transition; Geographic Attractiveness/Mobility in the Transition from BA to Master; Careers and Dropouts/Success Rates; Employment/Access to the Job Market; Impact on Careers and Employability of Measures Against Inequalities (Tuition fees, scholarships)

We have defined preliminary indicators for each theme, to inform stakeholders on relevant topics

Privacy: Dedicated to ensuring that every step of our project adheres to the standards of data protection: privacy roadmaps with documents and materials developed in collaboration with the DPOs of each university and by the Grins Data Protection Officer (DPO)+collaboration with CINECA to select privacy-preserving technologies. (In collaboration with Spoke 0)

The Team

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