

ALLAN JOSEPH MEDWICK, EDD, PMP

PROFILE

Dr. Allan Medwick is experienced with all aspects of the Classification of Instructional Programs (CIP). He served as the lead technical consultant on all aspects of the development of CIP 2020, including performing the catalog scan and other background research, surveying Integrated Postsecondary Education Data System (IPEDS) keyholders, staffing the technical review panel, preparing the Federal Register Notice, and updating the 2020 CIP-Standard Occupational Code (SOC) Crosswalk.

15+ YEARS OF EXPERIENCE

SKILLS & EXPERTISE

- ✓ ArcGIS, Stata, SPSS, SAS, & R
- ✓ Microsoft SQL Server & Python
- ✓ Project management
- ✓ Training & development
- ✓ Survey methodology
- ✓ NCES datasets

ACCOMPLISHMENTS

- Lead Technical Consultant for CIP 2020
- Added/updated over 400 CIP codes
- Prepared 2020 CIP-SOC Crosswalk
- Prepared blog posts and other training materials on CIP 2020

PROFESSIONAL EXPERIENCE

Ursidae Analytics, LLC

2017 – Present

Director of Research / Chief Executive Officer

- Conducted research on new instructional programs at U.S. and Canadian colleges and universities and prepared the 2020 update to the CIP.
- Updated and validated the crosswalk with the SOC and reviewed a new crosswalk with Military Occupation Codes.
- Conducted research to improve the accuracy, efficiency, and usability of the CIP, on new instructional programs at U.S. and Canadian colleges and universities, and on education to workforce linkages (i.e., the CIP-SOC Crosswalk).
- Created educational materials for CIP users, write CIP-related blogs for the NCES website, respond to help requests, and present on the CIP at professional conferences.
- Advised the IT Manager on updates to the CIP website and web tools.

U.S. Department of Health and Human Services, National Institutes of Health (NIH),

National Institute of Allergy and Infectious Diseases (NIAID)

2010 – 2016

Presidential Management Fellow / Program Analyst / Acting Team Lead

- Appointed as the Acting Team Lead of the five-member Scientific Resources Development Team in NIAID's Division of Extramural Activities with responsibility for developing and delivering training on grants and contracts policy to over 900 NIAID staff.

National Student Clearinghouse

2009 – 2010

Research Associate

- Analyzed data from over 3,600 schools to develop reports on enrollment trends and inform education leaders and policymakers. Trained and assisted researchers from secondary and postsecondary institutions on developing customized reports. Documented a data warehouse comprised of large datasets in a SAS Windows environment.

U.S. Department of Education**2008 – 2009***AIR-NCES Policy Fellow*

- Selected through a national competition as one of three 2008 Association for Institutional Research-NCES Policy Fellows to conduct research to improve the quality, comparability, and usefulness of the IPEDS. Assisted NCES staff with other IPEDS-related projects, including testing the CIP user website, the CIP Wizard, and other tools.
- Developed a research plan to investigate how postsecondary institutions track transfer-out students. Conducted an online survey of 1,500 postsecondary institutions with a response rate of over 50 percent. Actively participated in meetings of the higher education community, such as IPEDS Technical Review Panels, Higher Education Group of DC meetings, and Student Aid Research Association meetings.

Kean University**2005 – 2008***Research Analyst & Adjunct Professor*

- Planned and executed research initiatives to support the mission of the university. Designed models and performed analyses to assist in institutional research and reporting. Produced the annual fact book and institutional profile. Compiled and evaluated alumni wage data. Managed the collection and submission of data for Federal and State reporting. Created reports for the President, Provost, and internal/external constituents on topics such as space utilization, release time, office hours, completions, and enrollment. Taught courses in the College of Education and the College of Natural, Applied, and Health Sciences.

EMPLOYMENT HISTORY

Organization	Title	Years Active
Ursidae Analytics, LLC	Director of Research / Chief Executive Officer	2017 – Present
U.S. Department of Health and Human Services, National Institutes of Health, National Institute of Allergy and Infectious Diseases	Program Analyst / Acting Team Lead (GS-13) (2014 – 2016)	2010 – 2016
	Program Analyst (GS-12) (2012 – 2014)	
	Presidential Management Fellow (GS-11) (2010 – 2012)	
National Student Clearinghouse	Research Associate	2009 – 2010
U.S. Department of Education	AIR-NCES Policy Fellow	2008 – 2009
Kean University	Research Analyst & Adjunct Professor	2005 – 2008

EDUCATION

Degree	Institution	Year
Doctor of Education, Higher Education Management	University of Pennsylvania	2010
Master of Governmental Administration	University of Pennsylvania	2004
Master of Science in Education, Higher Education Management	University of Pennsylvania	2002
Associate of Science, Brewing Science <u>Distinctions:</u> Phi Theta Kappa	Kalamazoo Valley Community College	2019
Executive Master of Business Administration	Quantic School of Business and Technology	2018
Bachelor of Arts, Economics and Italian dual major with a Catholic Studies minor <u>Distinctions:</u> Graduated Maxima cum laude, University Honors Program	La Salle University	2001

PROFESSIONAL CERTIFICATIONS

- Certified Professional in Talent Development, 2019
- Kirkpatrick Four Levels Evaluation Certification Program - Bronze Level, 2016
- Project Management Professional (PMP), 2010
- SAS Certified Advanced Programmer for SAS 9, 2010

ACADEMIC CERTIFICATES

- Government Affairs Institute at Georgetown University, Washington, DC
Certificate in Legislative Studies, November 2016

AWARDS AND HONORS

- Association for Institutional Research, Cameron Fincher Dissertation Proposal Award, 2007

KEY TRAINING AND PROFESSIONAL DEVELOPMENT

- Project Management and Oversight for Evaluators (The Evaluators' Institute), 2013
- Multilevel Modeling (GIS Population Science Training Program in Advanced Spatial Analysis, Center for Spatially Integrated Social Science), 2011
- National Data Policy Institute (Association for Institutional Research, National Science Foundation, National Center for Educational Studies), 2005

SELECTED PRESENTATIONS AND WORKSHOPS

- Medwick, A., "Practices for Determining the Number of Transfer-Out Students for the Integrated Postsecondary Education Data System Graduation Rate Survey at Degree-Granting Institutions," Paper Session, Association for Institutional Research Annual Forum, Atlanta, GA, May 2009.
- Medwick, A., "The Influence of Institutional and Geographic Factors on the Enrollment of Out-of-State Freshmen at Four-Year Colleges and Universities," Paper Session, Association for Institutional Research Annual Forum, Seattle, WA, May 2008.

PROFESSIONAL ASSOCIATIONS

- Association for Institutional Research, Member
- Association for Talent Development, Member
- Project Management Institute, Member

