Wilfried Cools, PhD

Expert in Applied Statistics and Methodology for Behavioral, Medical, Educational and Social Research

✉ wilfried.cools@gmail.com   VUB–UZ Brussel: square.research.vub.be   Belgium, 1974
▯ linkedin.com/in/wilfriedcools   freelance: www.MethoStats.be   publications: www.zotero.org/w_cools

Consultant Applied Statistics

VUB / UZ Brussel: principal consultant Core Facility Support for Quantitative and Qualitative research (SQUARE)	13.09.17 +
MethoStats: freelance, supporting researchers through consultancy, data analysis, tutoring and automation	11.11.16 +

Experience in Research & Consultancy

freelance consultant applied statistics @ MethoStats	multiple contracts
data analyses, item selection, scale development, calibration, Shiny-Apps development, data processing automation	
consultant @ Center for Statistics (University Hasselt)	1 year 2016-17
external consultancy and data analyses for medical, industrial and behavioral research	
researcher/consultant @ Methodology of Educational Sciences Research Group (KU Leuven)	2015
evaluation of bootstrap procedures for meta-analysis on single case data	
development of user interface for the analysis of single case data	
researcher/consultant @ Centre for Educational Effectiveness and Evaluation (KU Leuven)	multiple contracts
statistical analyses of test data on mathematics and languages	2013-14
researcher/consultant @ Interactive Technologies (KULAK)	multiple contracts
study of adaptive learning environments for language learning; methodology and statistics	2011-13
includes internal and external consultancy, teaching, giving workshops and support in data-analysis	
researcher @ Research Group Quantitative Psychology and Individual Differences (KU Leuven)	1 year 2010-11
modeling the inter individually different evolution of naturalistically observed emotions	
PhD training @ Methodology of Educational Sciences Research Group (KU Leuven)	4 years.04-08
study of multilevel design efficiency using simulation (promoters W. Van den Noortgate & P. Onghena)	defense 06/10/08
research fellow @ Centre for Sociology of Education (KU Leuven)	2 years 00-01
survey research on the perceived effectiveness of high-school mergers by the teaching staff	
commissioned by the Department of Education in Flanders (OBPWO)	

Education at KU Leuven

PhD in Methodology of Educational Research	design for mixed models	4 years 04-08
Advanced Master in Statistics	social & behavioral statistics	1 year 01-03
Advanced Master in Artificial Intelligence	cognitive sciences	1 year 98-99
Master in Psychology	theoretical psychology	5 years 93-98
with Teacher Training		

Using R, R, R, Shiny, SAS, Java, Python, ...