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Wilfried Cools, PhD

Leuven, July 1<sup>st</sup>, 2020

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

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freelance: [www.MethoStats.be](http://www.MethoStats.be)

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VUB–UZ Brussel: [www.icds.be](http://www.icds.be)

publications: [www.zotero.org/w\\_cools](http://www.zotero.org/w_cools)

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## Consultant Applied Statistics

**VUB / UZ Brussel: principal consultant** Interfaculty Center Data processing and Statistics (ICDS)

13.09.17 +

**MethoStats: freelance**, supporting researchers through consultancy, data analysis, tutoring and automation

11.11.16 +

### Experience in Research and 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)

01.03.16 - 28.02.17

external consultancy and data analyses for medical, industrial and behavioral research

**researcher/consultant @ Methodology of Educational Sciences Research Group** (KU Leuven)

18.05.15 - 27.07.15

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

13.10.13 - 20.12.13

19.05.14 - 08.06.14

15.12.14 - 31.12.14

**researcher/consultant @ Interactive Technologies** (KULAK)

multiple contracts

study of adaptive learning environments for language learning; methodology and statistics

includes internal and external consultancy, teaching, giving workshops and support in data-analysis

01.06.10 - 31.10.11

01.02.12 - 14.02.12

10.12.12 - 15.03.13

05.06.13 - 04.09.13

**researcher @ Research Group Quantitative Psychology and Individual Differences** (KU Leuven)

01.11.08 - 31.12.09

modeling the inter individually different evolution of naturalistically observed emotions

**PhD training @ Methodology of Educational Sciences Research Group** (KU Leuven)

01.10.04 - 30.09.08

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)

01.01.00 - 31.08.01

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**

(4 years)

04-08

**Master in Statistics**

social & behavioral statistics (1 year)

01-03

**Master in Artificial Intelligence**

cognitive sciences (1 year)

98-99

**Licentiate in Psychology**

theoretical psychology (5 years)

93-98

with Teacher Training

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