Basic and Advanced Programming in SAS with Statistics
Signature: 223111-1234

Trainer: Dr. Karol Przanowski
Event History Analysis and Multilevel
http://www.sgh.waw.pl/zaklady/zahziaw/

Schedule in winter 2017/2018

Courses are provided on Tuesdays, 17:10 – 18:50, place C-3a

Course nr	Date	Topic
1	03-10-2017	Introduction and first 'Hallo World'
2	10-10-2017	Data processing in SAS 4GL
3	17-10-2017	Important procedures for data processing
4	24-10-2017	Valuable processing techniques
5	31-10-2017	Tabular reports and basic of ODS
6	07-11-2017	Processing of text data
7	14-11-2017	Data visualization
8	21-11-2017	Macro-programming
9	28-11-2017	Automatizing of data processing and reporting
10	05-12-2017	Advance programming elements
11	12-12-2017	Structure analyse
12	19-12-2017	Statistical estimation
13	09-01-2018	Variable dependency
14	16-01-2018	Automatizing of statistical analyses
15	23-01-2018	Advance usage of SAS/IML
	16-01-2018	Project deadline

Literature:

1. R. Cody, Cody's Collection of Popular SAS Programming Tasks and How to Tackle Them, SAS Institute 2012
2. R. Cody, Learning SAS by Example: A Programmer's Guide, SAS Institute 2007
3. J. Bailer, Statistical Programming in SAS, SAS Institute 2010
4. R. Wicklin, Statistical Programming with SAS/IML Software, SAS Institute 2010
5. R. Virgile, SAS Macro Language Magic: Discovering Advanced Techniques, SAS Institute 2013
6. K. Lafler, PROC SQL: Beyond the Basics Using SAS, Second Edition, SAS Institute 2013
7. M. Raithel, How to Become a Top SAS Programmer, SAS Institute 2013
8. SAS Institute Inc., SAS/STAT SAS Online Doc, SAS Institute Inc. http://support.sas.com/onlinedoc/913/docMainpage.jsp

All documents and material are available on server:
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How to get a pass:

Every student is expected to pass the following two steps:
- project - 20 points, project should be presented, some reports are needed to print, print version should be signed on, after presentation all elements should be delivered to trainer on USB
- exam (on computer) in the time of the project presentation – 20 points.
Minimal requirements to get a pass - 54% - 21 points.