

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 2016

Courses are provided on Thursdays, 19:00 – 20:40, place A-113

Course nr	Date	Topic
1	06-10-2016	Data processing in SAS 4GL
2	13-10-2016	Important procedures for data processing
3	20-10-2016	Valuable processing techniques
4	27-10-2016	Tabular reports and basic of ODS
5	03-11-2016	Processing of text data
6	10-11-2016	Data visualization
7	17-11-2016	Macro-programming
8	24-11-2016	Automatizing of data processing and reporting
9	01-12-2016	Advance programming elements
10	08-12-2016	Structure analyse
11	15-12-2016	Statistical estimation
12	22-12-2016	Variable dependency
13	12-01-2017	Automatizing of statistical analyses
14	19-01-2017	Advance usage of SAS/IML
15	23-01-2017	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.