



Vereniging voor Ordinatie en Classificatie / Dutch-Flemish Classification Society

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VOC-home page: <http://www.voc.ac>

3rd VOC Conference

May 9th, 2014

Leiden

9.30	VOC Annual Members Meeting
10.00	Welcome and registration
10.30	Submitted paper session 1
11.45	Coffee break
12.00	Keynote address: Arthur Tenenhaus, Regularized Generalized Canonical Correlation Analysis for Multiblock or Multi-group Analysis
13.00	Lunch
14.00	Submitted paper session 2
15.15	Coffee break
15.35	Submitted paper session 3
16.50	Announcement of the PhD Presenter Award Winner
17.00	Closing and drinks

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Registration details for the 3rd VOC Conference

Those who would like to participate in the 3rd VOC Conference are welcome and are kindly requested to register through the link: <http://www.voc.ac/index.php?type=5>. Participation costs 10 Euros for VOC members and PhD students, and 30 Euros for others (to be paid upon arrival). In the conference fee a lunch is included. For the price of 20 Euros, people can become a member of the VOC (this can be arranged during the enrollment for the conference).

From the President

Dear VOC members,

Our yearly VOC Conference, this time organized by Ralph Rippe, will be held on Friday May 9th (next week thus!) at the Leiden University. We again have a very interesting program, with contributed presentations by both PhD students and senior researchers from our own society. For the PhD students, there will be a best presentation award. In addition, we have a great keynote speaker: Arthur Tenenhaus will introduce us into his work on “Regularized Generalized Canonical Correlation Analysis for Multiblock or Multigroup Analysis”. Apart from the scientific program, there will be a members meeting, a joint lunch, and drinks at the very end. In other words, this is a great opportunity to meet your fellow VOC members. You can subscribe yourself at the VOC website (<http://www.voc.ac>).

As I already indicated in the previous “from the president”, this year we will celebrate our 25th anniversary. For this occasion the VOC board together with Paul Eilers will organize a two-day Jubilee Conference in Kerkrade (at Rolduc) on November 6-7. I would like to ask you to already reserve these dates in your agenda.

We are still looking for VOC members who would like to join our board. Please send me an email if you are interested in such a position.

But first, let us meet May 9th in Leiden.

Jeroen Vermunt

Program 3rd VOC Conference (Leiden, May 9th, 2014)

Submitted paper session 1 (10.30-11.45)

- Tanja Krone (*P*) Multilevel poisson dynamic linear modelling of time series data including missings
- Maarten Kampert (*P*) Tuning COSA with the GAP statistic
- Lianne Ippel (*P*) On the implementation and empirical evaluation of streaming shrinkage factors with applications in predicting non response

Keynote address (12.00-13.00)

- Arthur Tenenhaus Regularized generalized canonical correlation analysis for multiblock or multigroup analysis

Submitted paper session 2 (14.00-15.15)

- Hailemichael Worku (*P*) A logistic distance model for analyzing multivariate binary data
- Zsuzsa Bakk (*P*) The robustness of bias-adjusted three-step latent class modeling with distal outcome variables
- Marietta Kokla (*P*) Texture analysis and multivariate classification models in CT images from dogs with pulmonary thrombosis

Submitted paper session 3 (15.35-16.50)

- Jörg Henseler Assessing and testing the goodness-of-fit of PLS path models
- Paul Eilers Segmentation of the diagonal band of a correlation matrix
- Jeroen Jansen Flow cytometry for comprehensive disease diagnosis, using novel dedicated chemometrics

Announcement of the PhD Presentation Award (16:50-17:00)

(P) applicant for the VOC Presenter Award

Publications

Bartlema, A., Lee, M. D., Wetzels, R., & Vanpaemel, W. (in press). A Bayesian hierarchical mixture approach to individual differences: Case studies in selective attention and representation in category learning. *Journal of Mathematical Psychology*. doi:10.1016/j.jmp.2013.12.002

Bastian, B., Kuppens, P., De Roover, K., & Diener, E. (in press). Is valuing positive emotion associated with life satisfaction? *Emotion*.

Borg, I., Groenen, P. J. F., & Mair, P. (2013). *Applied Multidimensional Scaling* (SpringerBriefs in Statistics). Heidelberg: Springer.

Braeken, J., Kuppens, P., De Boeck, P., & Tuerlinckx, F. (2013). Contextualized personality questionnaires: A case for copulas in structural equation models for categorical data. *Multivariate Behavioral Research*, 48, 845-870. doi:10.1080/00273171.2013.827965

Bringmann, L. F., Scholte, H. S., & Waldorp, L. J. (2013). Matching structural, effective, and functional connectivity: A comparison between structural equation modeling and ancestral graphs. *Brain connectivity*, 3, 375-385. doi:10.1089/brain.2012.0130

Canini, K. R., Griffiths, T. L., Vanpaemel, W., & Kalish, M. L. (in press). Revealing human inductive biases for category learning by simulating cultural transmission. *Psychonomic Bulletin & Review*. doi:10.3758/s13423-013-0556-3

Cecere, S., Groenen, P. J. F., & Lesaffre, E. M. E. H. (2013). The interval-censored biplot. *Journal of Computational and Graphical Statistics*, 22(1), 123-134.

Cho, S. J., De Boeck, P., Embretson, S., & Rabe-Hesketh, S. (2014). Additive multilevel item structure models with random residuals: Item modeling for explanation and item generation. *Psychometrika*, 79, 84-104. doi:10.1007/S11336-013-9360-2

De Bruin, A. B. H., Kok, E. M., Leppink, J., & Camp, G. (in press). It might happen in the very beginning. Reply to Ericsson (2014). *Intelligence*.

De Raad, B., Barelds, D. P. H., Timmerman, M. E., De Roover, K., Mlacic, B., & Church, A. T. (in press). Towards a pan-cultural personality structure: Input from

11 psycho-lexical studies. *European Journal of Personality*.

De Roover, K., Timmerman, M. E., Van Mechelen, I., & Ceulemans, E. (2013). On the added value of multiset methods for three-way data analysis. *Chemometrics and Intelligent Laboratory Systems*, 129, 98-107. doi:10.1016/j.chemolab.2013.05.002

Doove, L. L., Dusseldorp, E., Van Deun, K., & Van Mechelen, I. (in press). A comparison of five recursive partitioning methods to find person subgroups involved in meaningful treatment-subgroup interactions. *Advances in Data Analysis and Classification*. doi:10.1007/s11634-013-0159-x

Duijster, D., Loveren, C., Dusseldorp, E., & Verrips, G. H. (2014). Modelling community, family, and individual determinants of childhood dental caries. *European Journal of Oral Sciences*, 122(2), 125-133.

Dusseldorp, E., & Van Mechelen, I. (2014). Qualitative interaction trees: A tool to identify qualitative treatment-subgroup interactions. *Statistics in Medicine*, 33, 219-237. doi:10.1002/sim.5933

Exterkate, P., van Dijk, D. J. C., Heij, C., & Groenen, P. J. F. (2013). Forecasting the yield curve in a data-rich environment using the factor-augmented Nelson-Siegel model. *Journal of Forecasting*, 32, 193-214.

Frewen, P. A., Schmittmann, V. D., Bringmann, L. F., & Borsboom, D. (2013). Perceived causal relations between anxiety, posttraumatic stress and depression: Extension to moderation, mediation, and network analysis. *European Journal of Psychotraumatology*, 4, 20656, 1-14. doi:10.3402/ejpt.v4i0.20656

González, J., De Boeck, P., & Tuerlinckx, F. (2014). Linear mixed modelling for data from a double mixed factorial design with covariates: A case-study on semantic categorization response times. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 63, 289-302.

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Hendrick, T. A. M., Fischer, A. R. H., Tobi, H., & Frewer, L. J. (2013). Self-reported attitude scales:

current practice in adequate assessment of reliability, validity, and dimensionality. *Journal Applied Social Psychology*, 43(7), 1538-1552. doi:10.1111/jasp.12147

Heylen, J., Verduyn, P., Van Mechelen, I., & Ceulemans, E. (in press). Variability in anger intensity profiles: Structure and predictive basis. *Cognition and Emotion*.

Huijg, J. M., Gebhardt, W. A., Crone, M. R., Dusseldorp, E., & Presseau, J. (2014). Discriminant content validity of a theoretical domains framework questionnaire for use in implementation research. *Implementation Science*, 9(1), 11.

Huijg, J. M., Gebhardt, W. A., Dusseldorp, E., Verheijden, M. W., van der Zouwe, N., Middelkoop, B. J., & Crone, M. R. (2014). Measuring determinants of implementation behavior: psychometric properties of a questionnaire based on the theoretical domains framework. *Implementation Science*, 9(1), 33.

Kadengye, D. T., Ceulemans, E., & Van den Noortgate, W. (2014). Direct likelihood analysis and multiple imputation for missing item scores in multilevel cross-classification educational data. *Applied Psychological Measurement*, 38, 61-80. doi:10.1177/0146621613491138

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Krysinska, K., De Roover, K., Bouwens, J., Ceulemans, E., Corveleyn, J., Dezutter, J., Duriez, B., Hutsebaut, D., & Pollefeyt, D. (in press). Measuring religious attitudes in (post-)secularised Western European context: recent changes in the underlying dimensions of the Post-Critical Belief Scale. *International Journal for the Psychology of Religion*.

Leppink J., Paas, F., Van Gog, T., Van der Vleuten, C. P. M., & Van Merriënboer, J. J. G. (2014). Effects of pairs of problems and examples on task performance and different types of cognitive load. *Learning and Instruction*, 30, 32-43. doi:10.1016/j.learninstruc.2013.12.001

Matute, H., Steegen, S., & Vadillo, M. A. (in press). Outcome probability modulates anticipatory behavior to signals that are equally reliable. *Adaptive Behavior*.

Meijering, J. V., Kampen, J. K., & Tobi, H. (2013). Quantifying the development of agreement among experts in Delphi studies. *Technological Forecasting and Social Change*, 80(8), 1607-1614. doi: 10.1016/j.techfore.2013.01.003

Müller, A., Claes, L., Wilderjans, T. F., & de Zwaan, M. (in press). Temperament subtypes in treatment seeking obese individuals: A latent profile analysis. *European Eating Disorders Review*.

Rietveld, C. A., Medland, S. E., Derringer, J., Yang, J., Esko, T., Martin, N. W., ... Koellinger, P. D. (2013). GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. *Science*, 340(6139), 1467-1471.

Rodríguez, S. D., Barletta, D. A., Wilderjans, T. F., & Bernik, D. L. (in press). Fast and efficient food quality control using electronic noses: Adulteration detection achieved by Unfolded Cluster Analysis coupled with Time-Windows selection. *Food Analytical Methods*. doi:10.1007/s12161-014-9841-7

Rodríguez, S. D., Wilderjans, T. F., Sosa, N., & Bernik, D. (2013). Image texture analysis and gas sensor array studies applied to vanilla encapsulation by octenyl succinic anhydride starches. *Journal of Food Research*, 2, 36-48. doi:10.5539/jfr.v2n2p36

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Stevenson, C. E., Hickendorff, M., Resing, W. C. M., Heiser, W. J., & De Boeck, P. (2013). Explanatory item response modeling of children's change on a dynamic test of analogical reasoning. *Intelligence*, 41, 157-168. doi:10.1016/j.intell.2013.01.003

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testing and visualizing strategic consensus within and between teams. *Strategic Management Journal*.

Tendeiro, J. N., Ten Berge, J. M. F., & Choulakian, V. (2013). Direct transformations yielding the knight's move pattern in 3*3*3 arrays. *Chemometrics and Intelligent Laboratory Systems*, 129, 10-14.

Tobi, H. (2014). Measurement in interdisciplinary research: The contributions of widely-defined measurement and portfolio representations. *Measurement*, 48, 228-231. doi: 10.1016/j.measurement.2013.11.013

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van de Velden, M., de Beuckelaer, A., Groenen, P. J. F., & Busing, F. M. T. A. (2013). Solving degeneracy and stability in nonmetric unfolding. *Food Quality and Preference*, 27(1), 85-95.

Verdonck, S., & Tuerlinckx, F. (in press). The Ising Decision Maker: A binary stochastic network for choice response time. *Psychological Review*.

Voorspoels, W., Storms, G., & Vanpaemel, W. (2013). Idealness and similarity in goal-derived categories: A computational examination. *Memory & Cognition*, 41, 312-327. doi:10.3758/s13421-012-0252-y

Financial Report for 2013

Revenue		
member contributions	30	600
VOC conference (Antwerp)		129,50
interest savings account		45,90
totaal		775,40

Expenditure	
payment transactions	86,04
VOC conference (Antwerp)	603,80
hosting website	121
board meeting (Roosendaal)	44,80
totaal	855,64

Debet	
balance ING account	2659,89
balance savings account	2784,57
total	5444,46

Credit	
accounts payable	0
equity	5444,46
total	5444,46

Notes to the balance sheet

- (1) contributions from 30 members have been collected in 2013
- (2) compared to the previous year, there is a small decrease in the equity
- (3) an overview of the evolution of the equity

2013	€5444,46
2012	€5524,70
2011	€6194
2010	€7621
2009	€8189
2008	€6248
2007	€5914
2006	€6869
2005	€6057
2004	€5019
2003	€6795
2002	€6408
2001	€5898
2000	€5731
1999	€4871
1998	€5100

Annual Report of the Secretary for the year 2013

1. Number of members

The VOC started end 2012 with 130 members and counted 134 members at the end of 2013. One membership was terminated and there were five new members registered. In 2013, 30 members paid contribution.

2. Board

The Board of the VOC was composed as follows in 2013:

Jeroen Vermunt	President
Katrijn Van Deun	Secretary
Berrie Zielman	Treasurer
Tom Wilderjans	Newsletter Editor, Webmaster
Ralph Rippe	Member

The Board met once in 2013. The main topics were: collecting the member contributions, the organization of the third VOC Conference, the Jubilee Meeting in 2014, and current affairs and management of the VOC.

3. Activities

The second VOC Conference took place in the environmentally friendly Ecohuis in Antwerp (Belgium) on the 31st of May 2013 with a full day program, including 10 contributions by VOC members and a keynote speech from Stijn Vansteelandt (Ghent University and the London School of Hygiene and Tropical Medicine) "On Confounding, Prediction and Efficiency in the Analysis of Longitudinal and Cross-sectional Clustered Data". The conference had approximately 25 participants and attracted several new members.

4. Publicity

The newsletter appeared twice. The second VOC conference was also announced to non-VOC members, using the VVS-site and mailing lists (IOPS, BBC, ICS).

Minutes of the VOC Annual Members Meeting (May 31, 2013, Antwerp)

1. Opening of the meeting

The president, Jeroen Vermunt, opens the meeting.

2. Minutes of the previous meeting

The minutes of the previous meeting were approved.

3. Annual Report

- Contributions by members

Now there are few members who pay; the members should be reminded (in a friendly way) of their dues.

4. Financial Report

There is a decline in the financial reserve of the VOC. This has to do with the backlog of contributions.

5. Cash Committee

Edith Nijenhuis has controlled the accounts together with Paul Eilers: The accounts are in order. However, they advice that the contributions by the members should be monitored better (e.g., there is no view on the total backlog). Proposals to solve this problem are: 1) to collect the contributions around the time of the conference (this is the period that the VOC is most active and the members involved) and 2) to make paying easier by making payments possible through the VOC website. It is noted that because of the forthcoming jubilee meeting, it is important that the contributions are collected as the finances of the VOC are based on the member contributions.

The new audit committee for the following two years consists of Edith Nijenhuis and Paul Eilers.

6. Composition of the board

The Secretary (Katrijn Van Deun) takes note of the fact that Jeroen Vermunt can continue as president of the VOC for another three years. The board is still looking for new board members.

7. Miscellaneous

Jeroen Vermunt informs about the organization of the IFCS: The meeting of the IFCS (International Federation of Classification Societies) will take place in Tilburg, mid July 2013. This federation unites local classification societies (e.g., the VOC) and organizes a conference every two years. This year the conference is co-organized on behalf of the VOC. The organization runs smoothly, there are 200 participants, 10 invited speakers, four workshops, the fee is quite low (lunch included).

Tom Wilderjans inquires about the communication with the members of the VOC. Given the international members, the proposition is to set up both the newsletter and the website entirely in English.

Abstracts for the conference are now presented each VOC through a new platform (depending on who is the local organizer). The proposition is to do this via the website of

the VOC. Tom Wilderjans will check whether the VOC website already supports such a platform.

Another feature of the website is to make use of the mailing system (if included).

8. Round of questions

Patrick proposes to create a LinkedIn group for the VOC and then invite VOC members to sign up for the group.

The board is also asked if it will evaluate the new format of the meetings, namely an annual conference instead of the thematic topics that were organized twice a year. The Board has not planned such an evaluation but the informal evaluation was good (there were considerably more participants during the first conference than during the latest thematic meetings). Next year, the VOC will organize the VOC Jubilee Meeting according to the old format of a thematic meeting with invited speakers.

Another aspect of the new format, is the frequency of the meetings: Now there is only one per year. As such, the VOC may seem less active to the members. On the other hand, the members are now encouraged to actively contribute. For now the format of the annual conferences is maintained, except for 2014 in which there will be both a conference and the Jubilee meeting.

9. Closure of the meeting

Jeroen Vermunt closes the meeting.

Agenda for the VOC Annual Members Meeting (May 9, 2014, Leiden)

1. Opening of the Members Meeting

2. Minutes of the Members Meeting 31mei 2013

The Minutes of this Meeting are included in this Newsletter (see p. 8).

3. Annual Report of the Secretary on the year 2013

The Annual Report is included in this Newsletter (see p. 8).

4. Financial report of the treasurer on the year 2013

The Financial Report is included in this Newsletter (see p. 7).

Report of the cash committee (Paul Eilers and Edith Nijenhuis).

Appointment of a new cash committee.

5. Composition of the Board

The board is composed of the following members (with their remaining term, in years, between brackets):

- Jeroen Vermunt, President (2)
- Katrijn Van Deun, Secretary (0)
- Tom Wilderjans, Newsletter Editor & Webredacteur (0)
- Ralph Rippe, Member (0)
- Berrie Zielman, Treasurer (1)

The terms of Ralph Rippe, Katrijn Van Deun and Tom Wilderjans end; they make themselves available for reappointment. Oppositional candidates for these positions can register up to 24 hours before the meeting, either with the secretary (for the positions of Tom Wilderjans and Ralph Rippe) or with the president for the position of secretary.

The board is looking for additional members. Candidates may contact the President before the meeting. The members may give their opinion during the meeting.

6. Questions before closure of the meeting

7. Closure of the Members Meeting

Personalia

From January 2014, Elise Dusseldorp has an appointment as assistant professor (for 2 days a week) at the Mathematical Institute, Leiden University. She remains working at TNO for 2 days a week.

Meetings

The ICRM 2014 Organizing Committee proudly presents and kindly invites you to the: International Chemometrics Research Meeting ICRM 2014 that will take place from 14th-18th September 2014 in The Golden Tulip Valmonte Hotel, Berg en Dal near Nijmegen, the Netherlands. The ICRM conference is held once every three/four years and is organized by the Dutch Chemometrics Society (DCS), a working group of the Royal Netherlands Chemical Society. The aim of this conference is to bring together people from a wide range of industry, research and academic backgrounds to share and discuss recent developments in the field of chemometrics. The conference focuses on presentations by prominent speakers from around the globe, who will be invited to share their knowledge both during lectures on a wide range of topics from the field of chemometrics, as well as during the extensive, succeeding discussions. Confirmed

keynote lecturers of the conference currently are Alan Gelfand, John H. Kalivas, Olav M. Kvalheim, Iven van Mechelen, Mia Hubert, Dennis R. Helsel and Neil B. Gallagher. For more information, see www.icrm2014.org (for registration: www.icrm2014.org/registration/registration.html). You can reach us by e-mail at icrm2014@xs4all.nl.

The 8th International Conference on Partial Least Squares and Related Methods (PLS2014) will be organized May 26-28, 2014 in Paris, France. For more information, see <http://www.pls14.org/>.

The 21st International Scientific Symposium on Biometrics (BIOSTAT2014) will be organized June 11-14, 2014 in Dubrovnik, Croatia. The BIOSTAT symposium is an intrinsically interdisciplinary meeting accepting papers from a wide array of research disciplines at the intersection of data sciences and life sciences. For more information, see <http://www.hbmd.hr/>.

The 34th International Symposium on Forecasting will take place June 29-July 2, 2014 in Rotterdam, the Netherlands. For more info, go to www.forecasters.org/isf/.

The Second European Conference on Data Analysis (ECDA 2014) will be held in Bremen, from July 2 to 4, 2014. Please visit our website at <http://ecda2014.eu>.

At July 7-11, 2014, the International Association for Statistical Computing (European Regional Section) organizes a Summer School on Compositional Data Analysis (CoDA) in Girona, Spain. Further information at <http://www.compositionaldata.com>.

At July 14-18, 2014 the Statistical Modelling Society organizes the 29th International Workshop on Statistical Modelling (IWSM) in Göttinger, Germany. Confirmed invited speakers are: Antoine de Falguerolles (Université de Toulouse, France), Alejandro Jara (Pontificia Universidad Católica de Chile, Chile), Sophia Rabe-Hesketh (University of California, Berkeley, USA), Gerhard Tutz (Ludwig-Maximilians-Universität

München, Germany) and Simon Wood (University of Bath, UK). A short course on model-based boosting (including hands-on tutorials for the R add-on package mboost) preceding the workshop will be delivered on July 13, 2014 by Matthias Schmid, Andreas Mayr and Benjamin Hofner (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany). For more info click here: www.uni-goettingen.de/iwsm2014.

The European Association of Methodology (EAM2014) is happy to announce its Sixth biannual-conference in 2014. It will take place in Utrecht, the Netherlands, from July 23-25, 2014, with pre-conference courses on July 22. For more information, see <http://eam2014.fss.uu.nl/>.

The 9th International Conference on Forensic Inference and Statistics will be organized in Leiden from August 19-22, 2014. For more information take a look at: <http://www.icfis2014.org>.

The 35th Annual Conference of the International Society for Clinical Biostatistics will take place August 24-28, 2014 in Vienna, Austria. For more info, go to www.iscb2014.info.

The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014) will be held 24-28 August, 2014, in Linköping, Sweden. For more info, see www.mai.liu.se/LinStat2014/.

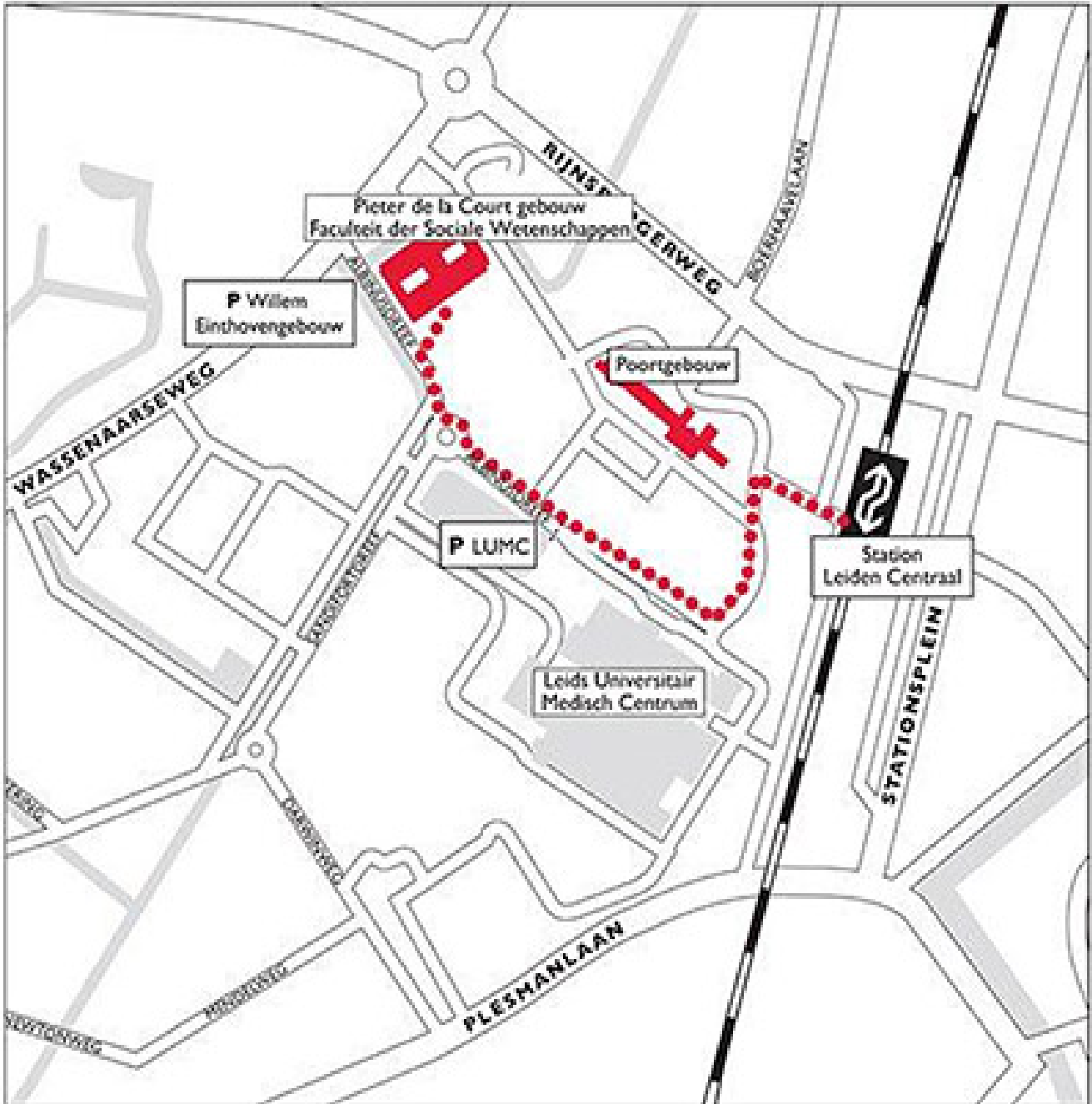
The Second International Workshop on Model-Based Clustering and Classification (MBC2) will take place September 3-5 in Catania, Italy. For more info, see www.dei.unict.it/mbc2.

During the next months different workshops will be held:

- Bayesian statistics (IOPS course, 12-16 May 2014, Utrecht University; see <http://www.iops.nl/category/courses>)
- Bayesian Modeling for Cognitive Science, Fourth Annual WinBUGS workshop (August 11-15, 2014, University of Amsterdam, Weesperplein 4, 1018 XA Amsterdam)

Route description

The 3rd VOC Conference takes place at the Pieter de la Court Building, Faculteit der Sociale Wetenschappen (Faculty of Social Sciences), Wassenaarseweg 52, 2333 AK Leiden.



By car

Coming from the A44 (rijksweg), take exit 8 'Leiden Centrum Transferium'. Coming from the A4 (rijksweg), take exit 7 'Zoeterwoude-Dorp/Leiden'. At the N206, when arriving at the Museum Naturalis, take the 'Darwinweg'. Next, follow the signs 'Ziekenhuizen'. At the second roundabout, take the second exit (almost going straight on the roundabout). At your right, you'll see the entrance of the 'Rijnveste' parking lot, which you can use to park your car (pay rate is 1 euro an hour; only possible with a pinpas). It's also possible to park at Wassenaarseweg 62 (you'll need a chipknip to pay).

By public transport

The closest railway station is 'Leiden Centraal'. To go to the Pieter de la Court building, take the exit at the back of the railway station (which is in the direction of the Leids Universitair Medisch Centrum – LUMC). Go left in the direction of the LUMC and move straight on. At the roundabout, take the first exit (first road at your right). After passing the 'Rijnveste' and 'Rivierduinen', you will see at your right the yellow Pieter de la Court building (before the T-junction). Go to your right and climb the stairs to the main entrance.