

Group Description	
Title of Research Group:	(RG-MATH-LVT-Lisboa-6-1519) Applied Multivariate Data Analysis and Modelling
Principal Investigator:	Maria Helena Bacelar Valente da Costa Nicolau
Main Scientific Domain:	Matemática
Group Host Institution:	Faculdade de Ciências - Universidade de Lisboa

Funding, source, dates
Funding, source, dates
ALL THE REFERRED AMOUNTS INCLUDE OVERHEADS TO PAY FFCUL FCT Base for Research Group Title: (RG-MATH-LVT-Lisboa-6-1519) - Applied Multivariate Data Analysis and Modelling Funding: corresponding to 2008: date: 29 Abril 2008 / 8617.02 Eur date: 26 Novembro 2008 / 9263.30 Eur Corresponding to 2006: date: 29 Dezembro 2008 / 12871.50 Eur

Objectives & Achievements
Objectives
Not available from the Principal Investigator of the Research Group.
Main Achievements
According to the objectives for the year 2008 the Applied Multivariate Data Analysis and Modelling Project main achievements were the following: Publications in peer review journals: 10 Other publications international: Papers-4; Abstracts in proceedings: 10. PhD completed: 4 Master completed: 17 Organization of Conferences: 3

Group Productivity
Publications in peer review Journals
1. José M. Ferro, Helena Bacelar-Nicolau, Teresa Rodrigues, Leonor Bacelar-Nicolau, Patrícia Canhão, Isabelle Crassard, Marie-Germaine Bousser, A Dutra, Ayrton Massaro, M-A Mackowiack-Cordiolani, Didier Leys, João Fontes, Jan Stam, Fernando Barinagarrementeria (2008). A risk score to predict the outcome of patients with cerebral vein and dural sinus thrombosis, Cerebrovascular Diseases Journal, Karger (IF 2.534) (in press). 2. Helena Bacelar-Nicolau, Fernando Nicolau, Áurea Sousa, Leonor Bacelar-Nicolau (2008). Measuring similarity of complex and heterogeneous data in clustering of large data sets. Biocybernetics and Biomedical Engineering (in press) 3. Duarte Silva, M. E., Carreira C., Sousa Ferreira, A. & Costa, C.(2008). Widowhood: The experience of loneliness and subjective well-being. Journal of Experiential Psychotherapy of the Romanian Society for Experiential Psychotherapy, 44, 46-50

Group Productivity

4. Sousa Ferreira, A. & Lima, R.(2008). Discriminant Analysis in the study of different career decisional levels: The Career Factors Inventory (CFI) as a diagnostic measure. Spanish Journal of Psychology (In reviewing process) (IMPACT FACTOR: 0.589)
5. Oliveira, T. A. Oliveira, João Tiago Mexia (2008): Analysis of residuals and adjustment in JRA. Biometrical Letters, 45: 45-54.
6. Oliveira, T. A. Oliveira, S. Mejza e J. T. Mexia (2008): Joint Regression Analysis applied to Genotype Stability Evaluation over years. Biuletyn Instytutu Hodowli i Aklimatyzacji Roslin, 250, 225-235.
7. E. Carolino, R.Ramos, Oliveira, T.A., A. P. Silva, R. Carvalho and M. Bicho: Polymorphic Genetic Factors in characterizing the profile of obesity in adult women. (In Press- Biometrical Letters 2008)
8. Valente, V., Oliveira, T.A.: Hierarquical Linear Models on Education: an application. (In Press – Biometrical Letters 2008)

Other publications International

Papers:

1. Bacelar-Nicolau, P., Bacelar-Nicolau, L., Galamba, J.M.M., Azeiteiro, U.M., Science and Environmental Education, Chapter 4 “Environmental Literacy in Biodiversity Terms at the End of the Compulsory School – Case Study in Amadora, Portugal”, Pág. 71-83, Edit. Walter Leal Filho, Editora Peter Lang GmbH – Internationaler Verlag der Wissenschaften, Frankfurt am Main, ISBN 1434-3819 / ISBN 978-3-631-55406-7
2. Bacelar-Nicolau, H., Nicolau, F., Sousa, A. (2008). Clustering complex and heterogeneous data in large data sets. 99th ICB Seminar and Seventh International Seminar on Statistical and Clinical Practice, International Centre of Biocybernetics , Polish Academy of Sciences, Warsaw, June 19-21 2008, 7-13. (invited talk)
3. Oliveira, and T.A. Oliveira (2008): E-Learning and E-Teaching Statistics: Moodle and R Applications. 11-14 June 2008, Lisbon. Publish in CD, EDEN 2008 ANNUAL CONFERENCE - New Learning Cultures, Edited by Alan Trait and Andréas Szucs on the behalf of the European Distance and E-Learning Network.
4. Oliveira, A. , Oliveira, T.A. and Stanislaw Mejza (2008). Joint Regression Analysis Applied to Genotype Stability Evaluation. XVIIIth Summer School of Biometrics, 23-27 June 2008, Pribylina, Slovakia; paper published in Book of Proceedings, pg. 147-153, Editor: Pavel Fl'ak. ISBN 978-80-89162-31-4
5. Oliveira, T.A., Mejza, S.: Third Workshop on Statistics, Mathematics and Computation, First Portuguese-Polish Workshop on Biometry – Book of Abstracts, Universidade Aberta Ed. 2008, ISBN: 978-972-674-541-9.

Some Abstracts:

1. Lorga, A.; Saporta, G.; Bacelar-Nicolau, H. (2008). Dealing with missing data in a K-means method – a simulation based approach. In: Book of Abstracts COMPSTAT 2008, FEUP Ed, 220, Porto, 24-29 August 2008.
2. Bacelar-Nicolau, H.; Nicolau, F.; Sousa, A.; Nicolau, Leonor (2008). Measuring Similarity of Complex and Heterogeneous Data In: Book of Abstracts COMPSTAT 2008, FEUP Ed, 66, Porto, 24-29 August 2008.
3. Sousa, A.; Silva, O.; Nicolau, F.; Bacelar-Nicolau, H. (2008). Application of the Weighted Generalised Affinity Coefficient in Cluster Analysis of Complex Data of the Interval Type. In: Third Workshop on Statistics, Mathematics and Computation and to the First Portuguese-Polish Workshop on Biometry, 54-55.
4. Dias, O., Sousa Ferreira, A., Castela, A., Salvador, J. e Nicolau, H. - Análise da Técnica de Svet Aplicada em Superfícies Metálicas através de Técnicas Multivariadas - In: Book of Abstracts of 5th Congress Luso-Moçambicano of Engenier, CLME2008, organized by Faculdade de Engenharia da Universidade do Porto (FEUP), Faculdade de Engenharia da Universidade Eduardo Mondlane (FEUEM) and Ordens dos Engenheiros de Portugal e de Moçambique, em Maputo, Moçambique, 2 - 4 Setembro 2008, ISBN:978-972-8826-19-2, p. 749-750
5. Silvestre, Cláudia; Figueiredo, Mário; Cardoso, Margarida G. M. S (2008). Clustering with Finite Mixture Models and Categorical Variables. COMPSTAT 2008 Proceedings in Computational Statistics. Ed. by Paula Brito. Physica-Verlag (CD-ROM). Porto.
6. Cardoso, Margarida G. M. S.; Carvalho, André Ponce de Leon F. de; Faceli, Katti COMPSTAT 2008 - 18th International Conference on Computational Statistics. University of Porto, Portugal, 24-29 Ag. 2008. Clustering Stability and Resampling. (Book of Abstracts, p.83)
7. Marques, A.; Sousa Ferreira, A.; Cardoso, M. (2008). Combining Models in Discrete Discriminant Analysis in the Multiclass Case. In: Book of Abstracts - COMPSTAT 2008, FEUP Eds, 270, Porto, Agosto de 2008.
8. Pires, R., Silva, D.R., Sousa Ferreira, A., Fagulha, T. - Relationships between the perceived quality of life and the personality styles measured with the The Millon Index of Personality Styles Revised (MIPS-R). In: Book of Abstracts of 66th Annual Conference of the International Council of Psychologists, S. Petersburg, Russia, 15-18 July 2008.
9. Martins, Ana Alexandra A. F.; Pinto, Iola M. S.; Cardoso, Margarida G. M. S.
1st Portuguese-Polish Workshop on Biometry and 3rd Workshop on Statistics, Mathematics and Computation. Lisbon, Jul. 21-22, 2008. Using Multidimensional Unfolding in Plant Breeding Programs. (Book of Abstracts, p. 37-38)
10. Freitas, Ana Teresa da Graça; Cardoso, Margarida G. M. S. : 15th Annual Conference of EIRASS- The European Institute of Retailing and Services Studies. Zagreb, Croatia, 13-15 Jul. 2008. The Advertising Effect on Positioning – an application to the deodorants market. (Book of Abstracts, p. 69)
11. Pargana, Sónia; Cardoso, Margarida G. M. S. :15th Annual Conference of EIRASS- The European Institute of Retailing and Services Studies. Zagreb, Croatia, 13-15 Jul. 2008. Modelling advertising-sales relationship in the soft drinks and juices market. (Book of Abstracts, p.154)
12. Silva, A. L., Varela, A. Nunes, G. Dias e P. Figueira, V. Modeling and Forecasting Portuguese Current Account, in V CIM/CRM Workshop on Financial Time Series, June 12-14, 2008, Coimbra, Portugal
13. Branco, F., T.A. Oliveira and Oliveira, A. (2008). The Impact of Distribution Shape on the Power of Randomization Tests for two Independent Groups: A Simulation Study Using Small Balanced Samples. Abstract in Edition of Universidade Aberta, ISBN: 978-972-674-541-9.

Other publications National

Group Productivity

1. Monteiro, S., Oliveira, T.A.: Estruturas dos Planos Factoriais Fraccionados de Base Dois; artigo publicado no Livro de Actas do XV Congresso Anual da SPE, Edições SPE, 2008, pp. 375-389.
2. Sousa Ferreira, A., Pires, R. Marques, A. e Danilo R. S.(2008). Análise do Índice de Millon dos Estilos de Personalidade - Edição Revista (MIPS-R) por uma abordagem multivariada [Analysis of the Index of Millon of styles of personality - Revised edition (MIPS-R) by a multivariate approach]. *Psychologica*, Revista da Faculdade de Psicologia e de Ciências da Educação da Universidade de Coimbra, 48, 25-46.
3. Jesus, Neuza Brito; Cardoso, Margarida G.M.S. (2008) Análise de Agrupamento Incremental - Segmentação de Pontos de Retalho. *Revista de Ciências da Computação* (Universidade Aberta), Vol. II, nº2, p. 26-38.
4. Martins, A.A.; Cardoso, Margarida G.M.S. (2008). Avaliação do impacto de escalas alternativas em Multidimensional Scaling Unfolding. *Actas do XV Congresso da Sociedade Portuguesa de Estatística*. Estatística, da teoria prática. Eds Manuela Hill et al. SPE. p. 351-363
5. M. Silvério Marques, Vera Tomé, Amílcar Oliveira, Palmira Gouveia, Helena Bacelar-Nicolau, José Gomes Ferreira (2008) Um projecto de investigação em cuidados paliativos domiciliários. *Revista Portuguesa de Filosofia* (in press).
6. Helena Bacelar-Nicolau, M. Silvério Marques (2008) O questionário SERVQUAL Modificado e a análise exploratória dos dados. Introdução. *Revista Portuguesa de Filosofia* (in press).
7. Helena Bacelar-Nicolau, Aurea Sousa, Leonor Bacelar-Nicolau, M. Silvério Marques (2008) Do univariado ao multivariado: a escala de elementos tangíveis, suas relações com outras escalas e mais além. *Revista Portuguesa de Filosofia* (in press).
8. Isabel Pinto Doria, Helena Bacelar-Nicolau, Georges Le Calvé, M. Silvério Marques (2008) Análise exploratória da escala de preferências e suas relações com a escala de percepções e outros dados. *Revista Portuguesa de Filosofia* (in press).
9. Sousa Ferreira, A., Dias, O. (2008). Os cuidados Paliativos em Contexto Domiciliário pelo Olhar do Estatístico. *Revista de Filosofia* (in press).
10. • Gonçalves, B. Fagulha, T. & Sousa Ferreira, A (2008). Depressão, depressão crónica e sintomatologia depressiva nas mulheres de meia-idade: relação com o nível sócio-cultural e a zona de residência [Depression, chronic depression and depressive symptomatology in women half-age: relationship with the socio-cultural level and the area of residence]. *Revista Portuguesa de Psicologia* (in press).
11. • Fagulha, T., Gonçalves, B. & Sousa Ferreira, A (2008). Olhares sobre a menopausa: prevalência e intensidade da sintomatologia menopáusica em função do nível educacional e zona de residência. *Revista Portuguesa de Psicologia* (in press).

Abstracts:

1. Sousa, A.; Nicolau, F.; Bacelar-Nicolau, H. (2008). Análise Classificatória Hierárquica de Dados Tridimensionais (Three-Way Data). In: Resumos das XV Jornadas de Classificação e Análise de Dados (JOCLAD 2008), 15-16.
2. Sousa, A.; Nicolau, F.; Bacelar-Nicolau, H. (2008). Análise Classificatória de Dados "Three-Way": uma aplicação a dados reais. Em Programa e Resumos do XVI Congresso Anual da Sociedade Portuguesa de Estatística, 162.
3. Silva, O.; Bacelar-Nicolau, H.; Nicolau, F. (2008). Como avaliar a consistência dos resultados de uma Análise Classificatória Hierárquica. In: Resumos do XVI Congresso Anual da Sociedade Portuguesa de Estatística, 161.
4. Silva, O.; Bacelar-Nicolau, H.; Nicolau, F. (2008). Estratégias para avaliar a consistência dos resultados de uma Análise Classificatória Hierárquica. In: Resumos das XV Jornadas de Classificação e Análise de Dados (JOCLAD 2008), 67.
5. Caxaria, A. M., Bacelar-Nicolau, H. e Mendes Leal, R. (2008). Aplicação de modelos de análise classificatória hierárquica a comportamentos de crianças com idade pré-escolar. In: Resumos das XV Jornadas de Classificação e Análise de Dados (JOCLAD 2008), 82-83.
6. XVI Congresso Anual da Sociedade Portuguesa de Estatística. Vila Real, 1 a 4 de Outubro de 2008. Uma Proposta de Combinação de Modelos em Análise Discriminante Discreta. Marques, A, Ferreira, Ana Sousa; Cardoso, Margarida G. M. S. (Livro de Resumos, p. 77)
7. XV Jornadas de Classificação e Análise de Dados. ESCE-Instituto Politécnico de Setúbal - 27, 28 e 29 de Março, 2008. Combinação de modelos em análise discriminante. Marques, A, Ana Sousa Ferreira, Margarida Cardoso (Livro de Resumos p. 70)
8. XV Jornadas de Classificação e Análise de Dados. ESCE-Instituto Politécnico de Setúbal - 27, 28 e 29 de Março, 2008 Soluções degeneradas em multidimensional unfolding. Martins, Ana Alexandra; Cardoso, Margarida G. M. S.; Pinto, Iola. (Livro de Resumos p.31)
9. Valente, V., Matos, M.H. e Oliveira, T.A. (2008). Estudo exploratório da violência associada à prática desportiva: análise dos incidentes registados pela PSP e pela GNR entre 2001 e 2003. In: Resumos das XV Jornadas de Classificação e Análise de Dados JOCLAD 2008.
10. Valente, V. e Oliveira, T.A. (2008). Uma aplicação de modelos de regressão a dados com estrutura hierárquica ou multinível. In: Resumos das XV Jornadas de Classificação e Análise de Dados JOCLAD 2008.
11. Monteiro, S. e Oliveira, T.A. (2008). Planos e Planos - Uma aplicação.
In: Resumos das XV Jornadas de Classificação e Análise de Dados JOCLAD 2008.
12. Marques, A.; Sousa Ferreira, A.; Cardoso, M. (2008). Uma proposta de combinação de modelos em Análise Discriminante Discreta. In: Book of Abstracts of XVI Congresso Anual da Sociedade Portuguesa de Estatística (SPE), SPE Eds., 77., Vila Real, Outubro de 2008.
13. • Sousa Ferreira, A.; Dias, O.; Bacelar-Nicolau, H. (2008). Análise da corrosão em superfícies metálicas através de técnicas estatísticas: influência da distância do eléctrodo vibrante ao substracto na técnica SVET. In: Book of Abstracts of XVI Congresso Anual da Sociedade Portuguesa de Estatística (SPE), SPE Eds., 39, Vila Real, Outubro de 2008.
14. Marques, A.; Sousa Ferreira, A.; Cardoso, M. (2008). Combinação de Modelos em Análise Discriminante. In: Book of Abstracts of XV Jornadas de Classificação e Análise de Dados (JOCLAD 2008), ESCE-IPS Eds., 70, Setúbal, Março de 09.
15. Duarte Silva, M. E., Carreira C., Sousa Ferreira, A. & Costa, C.(2008). A solidão e o bem estar subjectivo na experiência da viuvez". In: *Psicologia, Saúde & Doenças*, 9 (S1), 31.

Group Productivity

Master and Ph.D. thesis completed

PhD thesis completed:

1. Oliveira, A. 2008: Stability in Joint Regression Analysis and Dynamic Conduction of Breeding Programs. PhD Thesis in Mathematics-Statistical Modelling, Universidade Aberta, Lisboa.

Sup: João Tiago Mexia, Alexandre Cerveira.

2. Doria, Isabel Pinto. Representações Euclidianas de Dados: Uma Abordagem para Variáveis Heterogêneas. Doutoramento em Biomatemática.

Sup.: H. Bacelar-Nicolau, G. Le Calvé (disc.2009)

3. Cláudia Vanessa Rosa Leitão de Macedo Roçadas, Pairwised populations with periodical classification: Application to Credit Rating, PhD Thesis in Mathematics-Statistical Modelling, Universidade Aberta.

Sup: Teresa Oliveira, João Tiago Mexia , disc.2009

4. Jaime Fonseca 2008. A Determinação do número de grupos em análise de agrupamento via modelos de segmentos Latentes.

Phd Thesis in Métodos Quantitativos no ISCTE (2008). Sup: Margarida Cardoso.

Master thesis completed

Oliveira, T.A. was Sup. in:

1. Master of Statistics and Optimization, FCT New University of Lisbon - Vera Mascarenhas: Partially Balanced Incomplete Block Designs, 2008

Margarida Cardoso was Sup. in:

2. “Tese de Mestrado em Métodos Quantitativos Aplicados à Gestão da Escola de Gestão da Universidade do Porto (2008). Avaliação de uma estrutura de segmentos de clientes de cartões de crédito. Cristina Martins;

Margarida Cardoso was Co-Sup. in:

3. “Tese de Mestrado em Marketing no ISCTE (2008). O impacto da publicidade no posicionamento: um aplicação no mercado de desodorizantes. Ana Freitas

Ana Sousa Ferreira was co-Sup. in 14 master thesis in the Integrated Master in Systemic Clinical Psychology, FPES, University of Lisbon.:

4. Ana Marcão, 2008. Dimensions of couplehood and relations with the differences of sex and level of education;

5. Sofia Lopes, 2008. Family influences in couplehood: the relational climate in the family of origin, the conjugal satisfaction and proximity conjugal;

6. Vanessa Pereira, 2008. Family of origin and pattern of affectivity: a study in Portuguese couples;

7. Catarina Moleirino, 2008. Couple relations: Study of the relationship between linkage to the spouse and conjugal satisfaction;

8. Patrícia Brás, 2008. A look on parenthood (Parental styles and Parental Alliance) in the light of the social transformations current;

9. Inês Marques, 2008. Relational climate in the family of origin and its influence on the present Parental Alliance;

10. Ana Pacheco, 2008. Looking to the Satisfaction: An Exploratory Study in Portuguese Couples;

11. Pedro Domingos, 2008. Couplehood of Alcoholic: Closeness and Conjugal Satisfaction felt for Alcoholic and its relation with the Motivation for the Change;

12. Cátia Baião, 2008. Parental Alliance and Parental Styles in households with and without Autistic Children;

13. Marina Baião, 2008. Conjugal satisfaction and Parental Alliance “hers” and “his”: Myth or Reality?;

14. Júlia Ferreira, 2008. Conjugal satisfaction and parenthood biological and adoptive;

15. Marta Machado, 2008. Parental alliance, Cohesion and Familiar Adaptability throughout the vital cycle of the family;

16. Carolina Teves, 2008. A trip between conjugal satisfaction and proximity and parental alliance;

17. Paula Nobre, 2008. In Marital and Parenting domains: Positive Afectivity to the Spouse, Conjugal Satisfaction and Parental Alliance.

Organization of conferences

• Seventh International Seminar on Statistics and Clinical Practice,

Warsaw, Poland 19-21 June 2008; Organized by the Intern. Centre of Biocybernetics.

H Bacelar-Nicolau was member of the Organizing Committee.

• International Conference in Computational Statistics - Compstat 2008, Porto (Portugal), 24-29 August 2008.

H.Bacelar-Nicolau was member of the Scientific Committee, Ana Ferreira was member of Loc Committee. <http://www.fep.up.pt/compstato8>

• Jornadas Anuais da Associação Portuguesa de Classificação e Análise de Dados (JOCLAD 2008), was held at Setúbal in 27-29 March 2008. H Bacelar-Nicolau and A. Sousa Ferreira were members of the Scientific Committee. <http://www.esce.ips.pt/projectos/joclado8/>

• Oliveira, T.A. was Chair and Member of Scientific and Organizing Committee of the 3rd WSMC- III Workshop in Statistics, Mathematics and Computation and 1st PPWB - I Portuguese – Polish Workshop in Biometry, Universidade Aberta, Lisbon, 21 and 22 July 2008 . Oliveira, A. was member of Organizing Committee. <http://www.univ-ab.pt/wemc2008/>.

Group Productivity

Industry contract research

- Otilia Dias is Member and H Bacelar-Nicolau and A Sousa Ferreira are External Consultants of the Project POCTI/CTM/59960/2004 "Study of the Local Potential and Current Distribution at the Metals Surface" coordinated by Prof. António Castela (ESTBarreiro/IPS), 2005-2008, Project financed by FCT (several communications and one paper).
- Ana Sousa Ferreira is member of the Project GERLINDES - Managing and handling indiscipline in schools -Coordinator: Profs. João Amado and Isabel Freire (FPCEUL), Project financed by FCT, 2007/2009. (Communications and two papers are foreseen).
- Otilia Dias is member of the Project POCD/CED/6929/2006 "Implementation and Dissemination of Active Learning and Cooperative Learning Methodologies in Engineering Education: Developing a tool to monitor student activity so as to promote the development of active, autonomous learners" coordinated by Professora Doutora Isabel Carvalho (ISEL), a cooperation with ESTBarreiro/IPS and ISEL, 09-2008 to 2010, Project financed by FCT; (Communications and two papers are foreseen).

Internationalization

Several publications as well as participation and organization of international conferences have been resulting from international cooperation and/or international projects. Also two PhD's have been developed in the scope of international cooperation: one is completed (see above), the other one began in 2008, is a European PhD thesis in 'co-tutelle', between the Universidade de Lisboa and Conservatoire National des Arts et Métiers, Paris, França (see below*).

H.Bacelar-Nicolau is elected member of the IFCS (International Federation of Classification Societies) Council, for the period 2007-2009, and Chair of the IFCS Election Committee in 2008-09; is Elected member of the ISI-International Statistical Institute since 1994, and is member of the IASE - International Association for Statistical Education since 1998.

H. Bacelar-Nicolau is the Portuguese Responsible of the following Graduate Training Network Project, as Representing Professor of the University of Lisbon:

- European Inter-University Cooperation Programme (SOCRATES-ERASMUS), 2005-2008. Includes the Annual Intensive Seminar on "Mathematical and Computational Models in the Psychological Sciences" as well as students and teachers mobility. Other Partner Universities are: Glasgow (UK) (IP coordinator); Graz (Austria); Tartu (Estonia); Bremen (Germany); Oldenburg (Germany); Leuven (Belgium); Padova (Italy); Debrecen (Hungary); Complutense Madrid (Spain); Tubingen (Germany); Amsterdam (The Netherlands).

Oliveira, T.A. has Erasmus agreement (till 2013) with Professor Stanislaw Mejza, University of Life Sciences, Poznan, Poland.

H. Bacelar-Nicolau is member of the editorial boards of the journal 'TMP-Testig , Psychometrics, Methodology in Applied Psychology' and the statistical journal REVSTAT; A. Lorga is referee member of the American Mathematical Society; A. Sousa Ferreira is member of the scientific board of The Spanish Journal of Psychology and of the "The Spanish Journal of Psychology", is referee in the Proceedings of the COMPSTAT 2008 and collaborates regularly as "referee" in the Proceedings of the Annual conference of the SPE.

*1 European PhD thesis began in 2008: Bacelar-Nicolau, L., "Estudos de Impacte sobre a Saúde: Quantificar e Modelizar uma Realidade Multivariada", Tese de Doutoramento em Organização e Gestão em Saúde e Economia da Saúde, in 'co-tutelle', between Universidade de Lisboa, Lisboa, Portugal, and Conservatoire National des Arts et Métiers, Paris, França; supervised by J.Pereira Miguel, IMP FML, and G. Saporta, CNAM.

Government/Organization contract research

Project n° DH MD/P.I.01.13 of Calouste Gulbenkian Foundation "Humanização dos Cuidados Paliativos em contexto domiciliário",

co-ordinated by Prof. M. Silvério Marques (IPOFG Lisbon) - finished at the beginning of 2008

(see above some resulting papers in 2008; reports were presented to IPO and Calouste Gulbenkian Foundation)

Future Research

Objectives

Not available from the Principal Investigator of the Research Group.

Funding, source, dates

ALL THE REFERRED AMOUNTS INCLUDE OVERHEADS TO PAY FFCUL

1. FCT Base for Research Group (RG-MATH-LVT-Lisboa-6-1519) Applied Multivariate Data Analysis and Modelling :

A. Funding left to 2009 from 2008:

Due to the delay and late transferring dates from FCT (at the end of the year), the Group was not able to schedule a convenient execution of a percentage from the budget of previous year, namely: around 21659.82 Eur.

B. Funding from 2009:

Already transferred the first semester amount from FCT on the 3rd April 2009: 6735.75 Eur

Expected Second semester amount from FCT : similar to first semester