

# Curriculum vitae



## Personal data

### Full name

Alexandra Maria Pita Mayer-da-Silva

### Birth place and date

Lisboa 29-06-1977

### Nationality

PORTUGAL

### Institutional address

IPOLFG - ROR-Sul  
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## Academic degrees

Year	Academic degree	Institution	Classification
2007	MASTER'S DEGREE IN STATISTICS	Instituto Superior Técnico	4
2002	UNIVERSITY DEGREE IN APPLIED MATHEMATIC	Faculdade de Ciências	14

## Previous and current scientific and/or professional activities

Period	Position or category	Institution
2002 - 2003	Statistician in South Region Portugal Cancer Registry.	Instituto Português de Oncologia de Lisboa de Francisco Gentil
2003 - 2004	Statistician in Administration of Portuguese Institute of Oncology	Instituto Português de Oncologia de Lisboa de Francisco Gentil
From 2006	Statistician in South Region Portugal Cancer Registry.	Instituto Português de Oncologia de Lisboa de Francisco Gentil

### Area of scientific activity

Performs, coordinates and plans studies of Incidence, Survival, Prevalence and Mortality of South Portugal Cancer Registry. Databases monitoring and validation - Data quality. Coordinates the development of the new computerized system for compiling data from multiple healthcare facilities covered by the South Portugal Cancer Registry. Coordinates the Human Resources in Cancer Registry of Portuguese Cancer Institute of Lisbon. Monitors processes, such as screening of the cervix of the Holy House of Mercy, reference hospitals for different pathologies (in cancer). Has developed the cancer registry paediatric Portugal (ROPP). Has in development the national cancer registry Portugal (RON). Participates in various descriptive and analytical studies. Prepares the data to integrate in national publications, international and European (examples: International Agency Research Cancer, Childhood Cancer, Eurocare, CONCORD).

Survival, casuistic and procedure analysis; control of quality and evaluation of patient's satisfaction. Audit the sectors of management information system of the Portuguese Institute of Oncology Francisco Gentil Lisbon. Informatics' monitoring of Homogeneous Diagnostic Groups - GDHs - system for payment and collection of clinical acts by Hospitals. Update, control and improvement of databases related to "waiting list" of surgical patients. Preparation of the satisfaction questionnaires and their evaluation and statistical studies conducted to assess the Information Systems and Communication Clinic of the Portuguese Institute of Oncology. Collection, statistics and evaluation of clinical activity of Portuguese Institute of Oncology, South Centre in the year 1996. Conducted a statistic study to evaluate the cancer incidence in South Portugal, year 1994. Analysis and statistic validation of other works on progress. Project "Scale Validation" to automatic detection and elimination of duplicates in South Portugal Cancer Registry. Collaboration and support other projects of statistics in the field of epidemiologic oncology.

Several publications both thesis and books author, papers in conference proceedings and oral communications.

### Domain of specialization

#### Domain of specializations

Statistics: frequentist and Bayesian statistics, study design, statistical analysis, control and maintenance of databases; validation scales, quality control, construction of forecasting models, principal component analysis, regression analysis.

Biostatistics: sample, incidence, survival, prevalence, use, modeling and validation of databases.

Information management, planning and control. Knowledge and use of SQL data language.

Knowledge of various languages and statistical programs.

Programming language and computer programs: SQL, Basic and Pascal. Dominates and uses permanent programs "Microsoft Office (Word, Access, Excel, PowerPoint, Visio, Outlook).

Languages: Excellent knowledge of English, knowledge of French and field of study German at the Goethe Institute Lisbon, where completed level B and certificate in 2016.

Training: develop training internal and external to the ROR-Sul. Training course for trainers, such as ROR-Sul - cancer registry; SPSS; the Statistics and Biostatistics; the epidemiology of cancer; the MSc in radiotherapy - Epidemiology in oncology; Medicine University of Lisbon; Demography in health European University.

### Present research interests

Data quality and statistic analysis in Health, Oncology and Epidemiology.

### Other skills/activities

Knowledge of the languages and statistic programs STATA, STATTRANSFER, STATGRAPHICS, SPSS, SAS, STATISTICA, MATHEMATICA, MATLAB, R, S-PLUS, LATEX AND WINBUGS.

Performed studies, survival and regression analysis as well as writing to several medical works.

Private mathematics and statistics lessons and students tutoring for university, pre-university and other study grades students.

### Prizes and awards

Year	Name of the prize or award	Name of the granting entity
2008	Best practices award on Public Sector, first Premium rate 3-Improvement of processes with the Project	Deloitte and Diário Económico

### Some courses taken in the context of vocational training

Workshop – “Tumores da Cabeça e Pescoço” (Lisbon, February, 2018).

Workshop – “Tumores Urológicos” (Lisbon, February, 2017).

Workshop “TNM Classification” – Groupe des Registres et des Épidémiologistes de Langue Latine (Brussels, May 24, 2017)

European Organisation for Research and Treatment of Cancer (EORTC) 2017 “4th Quality of Life and Cancer Clinical Trials Conference” (Brussels, May 20 to 21, 2017)

Workshop – “Tumores Cerebrais” (Lisbon, February, 2016).

Workshop “Hemato-Oncologia: Registo – Conceitos e Classificações” (Lisbon, February, 2015).

“Development of European Deprivation Indices for public health policy to tackle social inequalities in health” – organized by Centre François Baclesse (Caen, France, May 13 to 17, 2013).

“Lead manage and motivate teams”, organized by the Portuguese Institute of Oncology Francisco Gentil - Centro Regional de Lisboa and taught by Fátima Figueiredo (Lisbon, November 14 to 19, 2012).

EUROCORE-5 – organized by ISPRA (Milan, Italy, February 26 to 28, 2012).

“General Accounting - Introduction to Accounting Standards System and Filling Models of Financial Statements” by IPOLFG organized and taught by Hugo Faria (Lisbon, May 10 to June 8, 2011).

“Prevent Workshop”, organized by the Catalan Institute of Oncology and the EUROCADET at Hospital Santa Cruz and São Paulo (Barcelona, Spain, March 12 and 13, 2009).

“SAS Enterprise Guide for Statistical Analysis” organized by SASINST Software Ltd and taught by Ana Alexandre (Lisbon, December 12 and 14, 2007).

“Initial pedagogical training of trainers” organized by CDRH - Consultores Associados, approved by SIRIS - Certificate No. EDF/495/02/DL (Lisbon, November 12 to December 19, 2007).

“Logistic Regression” built in “Ohio Summer Course” organized by the “Centre for Biostatistics of Columbus” and taught by Stanley Lemeshow (Columbus - Ohio, USA, June 9 to 13, 2007).

“SAS Enterprise Guide Querying and Reporting” organized by SASINST Software Ltd and taught by Sonia Emílio (Lisbon, June 11 and 12 2007).

“Survival Analysis” organized by University of Bologna and taught by Paul Dickman and Rino Bellocco (Bertinoro, Italy, September 17 to 22, 2006).

Mini-course “Data Analysis” integrated into the National Meeting of the Portuguese Mathematical Society (Porto, May 5, 2004).

Mini-course “Time Series - linear and nonlinear modelling” taught by Emerald Gonçalves Mendes Lopes and Nazareth and organized by the XI Annual Conference of the Portuguese Statistical Society (Faro, September 24 to 27, 2003).

“Cost Accounting and Budget”, organized by the Portuguese Institute of Oncology Francisco Gentil - Centro Regional de Lisboa (Lisbon, June 23 to 25, 2003).

“Survival Analysis” organized by the Department of Hygiene and Epidemiology, Faculty of Medicine of Porto University and taught by David Kleinbaum and Mitchel Klein (Porto, May 12 to 16, 2003).

Mini-course “Statistics and Quality in Health” organized by the School of Health Technology of Lisbon and the Institute of Statistics and Information Management (Lisbon, April 9, 2003).

“15th residential summer course” organized by the European Educational Programme in Epidemiology (Florence, Italy, June 24 to July 12, 2002).

