

GEORGIOS SEITIDIS

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PROFESSIONAL SUMMARY

An ambitious, highly motivated Mathematician keen on exploring and analysing data, with strong skills in Hypothesis testing, Exploratory and Confirmatory Data Analysis, Meta-Analysis, Time Series Analysis, Predictive Analysis and a great interest in Machine Learning methods. Eager for continuous professional development I am fond of working as part of a team aiming to share and absorb ideas and I like using modern technical tools and new solving methods.

WORK EXPERIENCE

Research Associate, Department of Primary Education, University of Ioannina [05/2018] – [Current]

- Comparing effectiveness of self-management interventions in 4 high priority chronic diseases in Europe - COMPAR-EU (funding COMMISSION OF THE EUROPEAN COMMUNITIES, HORIZON 2020), Supervisor: Dr. D. Mavridis

Research Associate, National Deaf Association, Athens [02/2018] – [05/2018]

- Performing demographic analysis and sampling methods in order to estimate deaf population.

Private Tutor [09/2013] – [Current]

- Tutoring Mathematics and Statistics

EDUCATION

M.Sc. in Statistics, University of Business and Economics, Athens [09/2015] – [05/2017]

Master Thesis: Investigation of the methodology for determining the specific parameters storage of insurance companies under SOLVENCY II.

Modules: Statistical modeling, Predictive Analysis, Data visualization, Time Series Analysis and Forecasting, Machine Learning, Statistical process control, Meta-Analysis

B.Sc. in Mathematics, University of Ioannina, Ioannina [09/2009] – [04/2015]

Modules: Linear Algebra, Stochastic Processes, Differential Calculus, Topology, Integral Calculus, Algebraic Structures

TECHNICAL AND ADDITIONAL SKILLS

IT/Programming: R, Python, IBM SPSS Statistics, Stata, WinBugs, Minitab, MySQL, E-Views, LaTeX, Google Analytics, MS Office

Languages: English (Fluent), German (Intermediate), Greek (Native)

RESEARCH PROJECTS

Football Game Prediction Model: Given a data set of football games results of Spanish League (La Liga), I construct a model for the prediction of the final score. Simulations techniques also used for reproduction the league.

Clustering of Greek population: Cluster analysis with Hierarchical Clustering, Model Based Clustering (EM algorithm) and the K Means method aiming to identify distinct groups which might differ with respect to population age.

Tumor type classification: Employing tumor features I predicted the class of new tumor observations (benign/malignant) employing LDA, Knn and Decision Trees.

Portfolio Construction and Performance Evaluation: Employing Matlab I first constructed a Mean-Variance Portfolio using the Static Variance-Covariance matrix. Then I revised the procedure two more times, using the Single Index Model and the Constant Conditional Regression Model to estimate the Variance-Covariance matrix. I then estimated the Jensen's alpha to evaluate the portfolios' performance and I used a GARCH(1,1) model to deal with volatility clustering.