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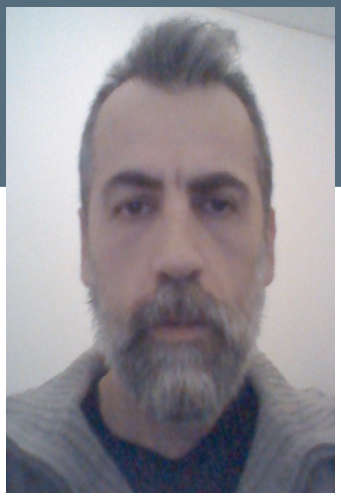

Cover letter

Dear Sir / Madam,

I am competent in two programming languages (R, Python) and I take advantage of C++ (in R through the Rcpp and RcppArmadillo packages and in python through Cython) to improve the efficiency of internal functions.

I'm the author / maintainer of the following R language CRAN packages :

- **OpenImageR** : An Image processing Toolkit in R
- **KernelKnn** : Kernel k Nearest Neighbors in R
- **ClusterR** : Gaussian Mixture Models, K-Means, Mini-Batch-Kmeans, K-Medoids and Affinity Propagation Clustering
- **textTinyR** : Text Processing for Small or Big Data Files in R
- **geojsonR** : A GeoJson Processing Toolkit
- **fuzzywuzzyR** : Fuzzy string matching
- **GeoMongo** : Geospatial Queries Using PyMongo in R
- **RGF** : Regularized Greedy Forest in R
- **nmslibR** : Non Metric Space (Approximate) Library in R
- **elmNNRcpp** : Extreme Learning Machine
- **SuperpixelImageSegmentation** : Image Segmentation using Superpixels, Affinity Propagation and Kmeans Clustering

Furthermore, I've uploaded the following R packages to my Github account (https://github.com/mlampros),

- **FeatureSelection** : Feature Selection in R using glmnet-lasso, xgboost and ranger
- **RandomSearchR** : Find the optimal parameters of an algorithm using random search in R
- **GloveR** : Global Vectors for Word Representation
- **fastText** : Efficient Learning of Word Representations and Sentence Classification

Additionally,

- I am capable of using deep learning frameworks such as Keras (with Theano or Tensorflow backend) and Pytorch.
- I can also implement functions in CUDA programming and port the functions in Python or R.
- In summer 2018 (May – June) I submitted a solution to Copernicus Challenges with the title "*Change detection based on Synthetic Aperture Radar (SAR) data*" (I developed code to download and process Sentinel-1 and Sentinel-2 satellite imagery and extract information based on state of the art unsupervised machine learning methods).
- I can setup and run R, Python scripts on Cloud (such as on Amazon Web Services).

Moreover, I've set up a blog (http://mlampros.github.io/) where I write mainly about R, python and machine learning.

A syndrome (Irritable Bowel Syndrome), which by the way currently affects 1 in 10 people worldwide sometimes creates difficulties in my daily life. However, I am eager to learn new skills, especially in an evolving field, such as data science.

I'm looking forward to your response. Thank you.

Education

1996 – 2001 Diplom of Business Administration, University Tuebingen, Germany

Diplom Thesis : "The effects of the introduction of Euro to the international price policy"

[According to the German "Higher Education Framework Act" of 20.08.1998 the alternative study system of "Bachelor" and "Masters" Degree with duration 4 to 6 years is equivalent to the university "Diplom" of the traditional German Educational System]

Post Graduate Training [statement of completion]

Coursera

Programming Language : Python

- Learn to Program, The Fundamentals (University of Toronto)
- Learn to Program, Crafting Quality Code (University of Toronto)
- Coding the Matrix, Linear Algebra through Computer Science Applications (Brown University)
- An Introduction to Interactive Programming in Python (Rice University)
- Cluster Analysis in Data Mining (University of Illinois at Urbana-Champaign)
- Sequence Models (deeplearning.ai)

Programming Language : Python, SQL, R

- Web Intelligence and Big Data (Indian Institute of Technology Delhi)
- Data-driven Astronomy (University of Sydney)
- Introduction to Data Science (University of Washington)

Programming Language : R

- R Programming (Johns Hopkins University)
- Getting and Cleaning Data (Johns Hopkins University)
- The Data Scientist's Toolbox (Johns Hopkins University)
- Reproducible Research (Johns Hopkins University)
- Exploratory Data Analysis (Johns Hopkins University)
- Developing Data Products (Johns Hopkins University)
- Practical Machine Learning (Johns Hopkins University)
- Regression Models (Johns Hopkins University)
- Statistical Inference (Johns Hopkins University)
- Computing for Data Analysis (Johns Hopkins University)
- Bayesian Statistics: From Concept to Data Analysis (University of California, Santa Cruz)

	Programming Language : Matlab, R • Core Concepts in Data Analysis (Higher School of Economics) **Programming Language : Octave** • Machine Learning (Stanford University)
Edx	**Programming Language : R** • The Analytics Edge (MITx – 15.071x) **Programming Language : Python, Spark** • Introduction to Big Data with Apache Spark (BerkeleyX – CS100.1x) • Scalable Machine Learning (BerkeleyX - CS190.1x)
weka.waikato.ac.nz	**Programming Language : Weka** • Data mining with Weka (University of Waikato) • More data mining with Weka (University of Waikato)
online.stanford.edu	**Programming Language : R** • Introduction to statistical learning (Stanford University)
open.hpi.de	**Programming Language : SQL** • Datenmanagement mit SQL (Hasso-Plattner-Institut)

Work Experience

5/2004 -9/2004	Employment in the logistics department of the Olympic games Athens 2004
11/2004-2/2016	Field worker (external employee) in a market research company

Languages

Greek	Native speaker
English	• Certificate of Competency in English (The university of Michigan) • State Certificate of Foreign Language Proficiency (C1 level in Greece) • TOEFL ibt (Test of English as foreign language 2011, score : 91) • TOEFL ibt (Test of English as foreign language 2018, score : 91)
German	I acquired the knowledge during my university studies

Programming Languages

R	Excellent
Python	Proficient
C++	Proficient
Matlab	Familiar
SQL	Familiar
MongoDB	Familiar
Octave	Familiar
CUDA	Familiar

Personal Skills

Blog	http://mlampros.github.io/
Github	https://github.com/mlampros
Operating Systems	I am capable of working on a Linux, Macintosh or Windows operating system
Programming competitions	From time to time I participate in programming competitions (such as in Kaggle) in order to improve my coding skills and to learn about new machine learning methods.

Personal Data

Date of Birth	06th September 1976
Sex	Male
Place of Birth	Greece
Martial Status	Single
Health	Irritable Bowel Syndrome (IBS). IBS affects about 1 out of 10 people according to the International Foundation for functional gastrointestinal disorders (IFFGD)
Driving License	Car, Motorcycle
Free time Activities	• running, swimming, cycling, tennis playing, watching movies • from 2007 to 2010 I was an amateur triathlete • since 2006 I participate occasionally in trail running competitions