

# ARGYRIOS GEORGIADIS

## PROJECT EXAMPLES

- Connect an SQL database to R, explore data, create charts
- Dashboard in R with Covid-19 deaths and cases data (charts, maps, individual countries and comparison plots)
- Kmeans and hierarchical clustering of customers based in their buying habits (R/Python- sklearn)
- Multiple Linear Regression for the prediction of Concrete Strength (R/Python- sklearn)
- k Nearest neighbours classification of images in scenes (R/Python- sklearn)
- Binary Classification of Wisconsin Breast Cancer Database (R/Python- sklearn)
- Using Naive Bayes, Simple Decision Tree Model and Random Forest to predict if a loan will be repaid in R
- Sentiment Analysis of 'Around the World in Eighty Days' by Jules Verne
- Twitter feeds sentiment analysis
- Forecasting the intubated due to Covid -19 patients with R using naive, auto-arima and ets methods
- Mapping of multiple walks in one map with leaflet in R
- Hypothesis Testing (one sample t-test, paired and independent samples, one way ANOVA)

See projects + more -> <https://argyriosdata.github.io/>

Libraries used:

**R** (plotly, tidyverse, ggplot2, dplyr, leaflet, lubridate, stringr, rtweet, tm, wordcloud, flexdashboard, tidytext, forecast, psych, etc)

**Python** (NumPy, Pandas, Matplotlib, SciPy, Sklearn, Skimage, etc)

## WORK HISTORY\*

- 10.2017 - 9.2019, **Physical Chemistry Chair, University of Bayreuth, Germany**, Researcher
- 10.2015 - 10.2016, **Surface Engineering Group, Association de la Industria Navarra, Spain**, Researcher
- 11.2012 - 3.2013, **School of Design, University of Leeds, UK**, Knowledge Transfer Partnership Associate
- 6.2011 - 9.2012, **Soft Matter Physics Group, University of Surrey, UK**, Researcher

*\*In all the above positions I was collecting, analyzing, fitting with linear and polynomial models, visualizing and presenting experimental data*

## EDUCATION

- **PhD, Physics, University of Surrey, UK**, 10.2007 - 6.2011
- **Ptychio (4year degree), Physics, Aristotle University of Thessaloniki, Greece**, 9. 2002 - 11. 2006, G.P.A. 9.11/10 (Excellent)

## OTHER

- Worked in collaborative projects with industrial partners in UK, Spain and Italy
- Worked in diverse groups in Greece, United Kingdom, Spain and Germany

## CONTACT DETAILS

☎ 0030 [REDACTED] 25

✉ [ge\[REDACTED\]@gmail.com](mailto:ge[REDACTED]@gmail.com)

📍 [REDACTED] Thessaloniki, Greece

🌐 <https://argyriosdata.github.io/>

🌐 Argyrios Georgiadis

🔗 argeordata

📺 artwithcoding

📧 argiris15

## LANGUAGES

Greek (Native), English (Excellent)

## DATA ANALYSIS SKILLS

- Data Importing, Data Cleaning
- Data Manipulation, Data Visualization
- Origin, Excel, LibreOffice
- **R, Python**
- Dashboard (flexdashboard)
- Machine Learning (Clustering, Regression, Classification)
- Tableau Public, Power BI, SQL

## DIGITAL SKILLS

- Photoshop Elements, Inkscape
- COMSOL Multiphysics (basic), EdrawInfo

## SOFT SKILLS

- Planning, Time Management
- Communication Skills
- Creativity, Self Motivation

## DATA ANALYSIS/ SCIENCE CERTIFICATES

**DataCamp**, Courses in R, Python, SQL, etc  
Sept 2020 – Present

Data Analyst and Data Scientist with R Track,  
Time Series Analysis in R, Forecasting in R,  
Text Mining with R Track, Introduction to  
Data Science in Python, Supervised/  
Unsupervised Learning with scikit-learn

### Udemy

*Data Science Course 2019* (Complete Python  
Data Science Bootcamp)

*Business Intelligence Analyst Course 2019*  
(Statistics, SQL, Tableau)

Full list of courses:

[argyriosdata.github.io/courses](https://argyriosdata.github.io/courses)

## HOBBIES

Photography (2019, BA Hons- OCA, UK),  
Yoga, Meditation, Crime Fiction,  
Psychology, Arduino, Cooking, Stoicism

**Military Service Fulfilled** (5.2014-2.2015)