DRITAN KODRA

@ drk36@pitt.edu   📞 +30 694 072 5056   ✉ Tsimiski 69, P.C. 54622   📍 Thessaloniki, Greece

EXPERIENCE

Postdoctoral Researcher – Bioinformatician
Aristotle University of Thessaloniki – Department of Chemistry

📅 Nov 2019– Ongoing   📍 Thessaloniki, Greece

- Development of tools for meta—analysis of metabolite identification data published on a variety of academic journals.
- Development of databases of chemical compounds in Greek foods from published data utilizing web scraping tools such as Selenium and Beautiful Soup.
- Development and deployment of dash web applications with Python and Plotly Dash and Heroku.
- Development of Machine Learning models for Retention Time predictions of metabolites with Python.

Senior Data Analyst – Project Manager
To The point

📅 September 2018 – Ongoing   📍 Thessaloniki, Greece

- Design, implementation and supervision of Market Research and Public Opinion Surveys.
- Data analysis on Market Research and Public Opinion Surveys utilizing various statistical tools.
- Development of in–house tools of automation for data analysis and data representation.

Research Assistant
University of Pittsburgh

📅 June 2014 – April 2018   📍 Pittsburgh, PA, USA

- Data cleaning and homogenization of inhomogeneous datasets from different sources.
- Data simulation for study of biases and systematic errors on astronomical data.
- Design and implementation of statistical models for error reduction of astronomical data from galaxy surveys.

EDUCATION

M.Sc. & Ph.D. in Physics & Astronomy
University of Pittsburgh

📅 2012 – 2018   📍 Pittsburgh, PA, USA

- GPA 3.644 / 4.0
- Thesis: The Galaxy Morphology–Density Relation at High Redshift with CANDELS

M.Sc. in Computational Physics
Aristotle University of Thessaloniki

📅 2010 – 2012   📍 Thessaloniki

- GPA 9.00 / 10.00
- Thesis: Cosmological Perturbations with non–ideal fluids
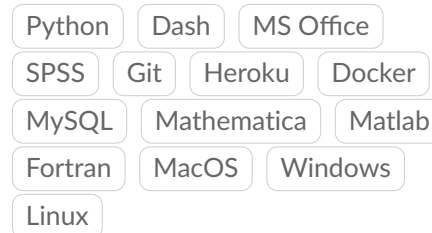
B.Sc. in Physics
Aristotle University of Thessaloniki

📅 2000 – 2010   📍 Thessaloniki

- GPA 7.88 / 10.00

SKILLS

Python · Dash · MS Office · SPSS · Git · Heroku · Docker · MySQL · Mathematica · Matlab · Fortran · MacOS · Windows · Linux

LANGUAGES

Greek ●●●●●

English ●●●●●

Albanian - Native ●●●○○

Italian ●●○○○