

# Nikolaos Fragkos

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## EDUCATION

### MSc in Data Science for Food and Health 09/2023 - Present

Wageningen University and Research (WUR), Wageningen, Netherlands

Current Grade: 7.83/10

Relevant Coursework: Programming in Python, Data Science Concepts, Statistics for Data Scientists, AI for Food and Health, Data Science for Food & Consumer Behavior, Food Fraud and Mitigation

Thesis: “Artificial Intelligence and citizen science to combat Food Fraud”

### Integrated MSc in Agricultural Economics and Rural Development 09/2017 - 09/2022

Agricultural University of Athens (AUA), Athens, Greece

Grade: 8.56/10 (top 5%, 3<sup>rd</sup> out of 128 students)

Relevant Coursework: Informatics, Computer Programming and Applications, Business Intelligence Systems, Internet and Applications in Agriculture, Management Information Systems, Electronic Government and Open Data

Thesis: “Opinion Mining in evaluation sites, a case study of the Greek Food & Beverage Industry”

## SUMMER SCHOOLS

Summer School on Digital Agriculture, University of Ghent, 2024

Summer School on Behavioral Economics, Agricultural University of Athens, 2021

## PROFESSIONAL EXPERIENCE

### Barley Operations Assistant Intern 07/2021 - 09/2021

Athenian Brewery, Athens, Greece

- Conducted statistical analysis to optimize barley yield across producer network
- Enhanced operational efficiency by identifying key factors impacting yield performance
- Developed a visual map to illustrate barley production yield per producer & region

### Subsidies' Archive Assistant 07/2020 - 09/2020

Chios Mastic Growers Association, Chios, Greece

- Managed and updated the Association's local database
- Conducted checks on printed invoices for mastic purchases
- Informed mastic producers on their subsidy application status and progress

## TEACHING EXPERIENCE

### Teaching Assistant 11/2024 – Present

Wageningen University and Research (WUR), Wageningen, Netherlands

- Supported the design of educational resources for the ‘Food Fraud’ course
- Contributed to the creation of AI-driven interviewing chatbots by defining their characteristics, performing prompt engineering and ensuring their alignment with the course's objectives

### Teaching Assistant 09/2024 – 11/2024

Wageningen University and Research (WUR), Wageningen, Netherlands

- Assisted in teaching the course ‘Programming in Python’
- Provided one-to-one support to students and troubleshooting students' code during lab sessions

## RESEARCH EXPERIENCE

### Research Assistant 11/2021 – 09/2023

Informatics Lab, Agricultural University of Athens (AUA), Athens, Greece

- Collected and managed meta-data on educational resources for digital competencies
- Developed and presented a research methodology and data extraction guide

## VOLUNTEERING EXPERIENCE

### Organizing Committee Member 10/2019 – Present

PANORAMA of Entrepreneurship & Career Development

- Actively involved in organizing and coordinating, managing on-site activities during the event
- Conducted research about topics for computer science discussions at the multi-conference
- Promoted the event by presenting it at the university

## PUBLICATIONS

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1. Fragkos, N., Liapakis, A., Ntaliani, M., Ntalianis, F., & Costopoulou, C. (2024). A Sentiment Analysis Approach for Exploring Customer Reviews of Online Food Delivery Services: A Greek Case. *Digital*, 4(3), 698-709. <https://doi.org/10.3390/digital4030035>
2. Fragkos Nikolaos, Liapakis Anastasios, Costopoulou Constantina & Ntaliani Maria, “***Sentiment Analysis in Online Food Delivery: A Greek Case Study***”. In Proceedings of the 10th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2022).

## HONORS & AWARDS

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- **3<sup>rd</sup> Place**, *The Data Factory / Extended Realities Hackathon for Data Science Education 2023*, Wageningen University and Research (WUR), Wageningen, Netherlands
- **Scholarship for Master Studies 2023**, John S. Latsis Public Benefit Foundation, Athens, Greece (20 scholarships awarded nationwide)
- **Top 7 Finalist**, *InnovinAgri 2021*, Agricultural University of Athens, Athens, Greece
- **Top 10 Finalist**, *TROPHY Challenge 2020*, New Agriculture New Generation, Agricultural University of Athens, Athens, Greece

## SKILLS

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### Technical Skills

- Programming Languages: Python, HTML, CSS, Visual Basic
- Software: R, Stata, IBM SPSS, Tableau

### Languages

- Greek (native)
- English (fluent - C2, *TOEFL iBT*, *University of Michigan Certificate of Proficiency in English (ECPE)*)
- French (proficient - C1, *Diplôme de Langue Française Sorbonne C1*)
- Spanish (beginner – A2)

## INTERESTS

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- Sports: Active in water polo, enhancing teamwork, discipline and resilience through competitive play
- Data science and AI advancements in food systems