

# 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: 8.45/10

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” (9.5/10)

### **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” (10/10)

## SUMMER SCHOOLS

**Summer School on Digital Agriculture**, University of Ghent, 2024

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

## PROFESSIONAL EXPERIENCE

### **Culinary Data Analyst Intern** 03/2025 - Present

*Kraft Heinz, Nijmegen, Netherlands*

- Conducted food trend analysis to support new product development

### **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 – 03/2025

*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** 01/2025 – 02/2025

*Wageningen University and Research (WUR), Wageningen, Netherlands*

- Assisted in teaching the course ‘Artificial Intelligence’
- Supported students in lab sessions by addressing questions on AI concepts, algorithms, and practical applications.
- Designed and refined practical assignments to strengthen theoretical understanding and align with course objectives.
- Assessed student reports and assignments, providing detailed feedback.

### **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

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

- **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

### 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

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