Chrisostomos-Panagiotis Stamou

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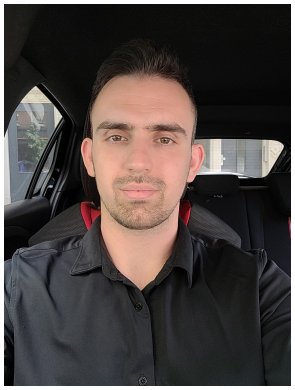

Data Analyst — Physics MSc — Statistical Modeling & Data Science

MSc Physics graduate from Leiden University, specialized in Cosmological Data and Statistical Inference. Proficient in Python, Bayesian & Frequentist inference, and large-datasets analysis. Experienced in building models, running simulations, and extracting insights from complex datasets. Strong communicator with leadership experience in high-pressure environments. Eager to apply scientific rigor and analytical expertise to data-driven challenges.

Technical Skills

- **Programming:** Python (proficient), Mathematica (proficient)
- **Data Tools:** SQL, Power BI, Tableau, Excel, Git
- **Documentation & Writing:** LaTeX, Microsoft Word, PowerPoint
- **Methods:** Bayesian Inference, MCMC, Nested Sampling, χ^2 analysis, Fisher Statistics
- **Languages:** Greek (native), English (C2 certified, fluent – MSc conducted in English), Dutch (B1), German (B1, Goethe Zertifikat)
- **OS:** Windows, Linux

Education

MSc in Physics (Cosmology)
Leiden University, The Netherlands — 2020 – 2025 (Ceremony pending)

BSc in Physics (Theoretical Physics & Mathematics)
University of Ioannina, Greece — 2015 – 2020

Data & Research Projects

Impact of Late-Time Transition in SnIa Luminosity on Cosmological Parameter Estimates — Master's Thesis (2025)

- Tested the change on the best-fit values of cosmological models and cosmographic expansion upon incorporating a late-time transition in Supernovae Ia luminosity.
- Applied MCMC sampling, Nested Sampling, and χ^2 statistics to fit models to observational data and then compare them.
- Tools: Python, NumPy, SciPy, Pandas, scikit-learn/Linear Regression, Matplotlib, emcee, dynesty, LaTeX.
- **GitHub:** github.com/ChrisStamou/Thesis-2025

Combining Weak Lensing and Galaxy Polarization — Master's Thesis (2022)

- Created optimal shear estimators combining galaxy shape and light polarization data to improve signal-to-noise.
- Used simulated data and analytical derivations to validate estimator performance.
- Tools: Python, treecorr, theoretical modeling, LaTeX.
- **GitHub:** github.com/Chrisostomos-Stamou/Combining-Weak-Lensing-and-Galaxy-Light-Polarisation

Effective Newton's Constant in Modified Gravity — Bachelor's Thesis (2020)

- Studied how various modified gravity models predict time-evolving gravitational constants.
- Derived analytical relations using cosmological perturbation theory and compared them to cosmological constraints.
- Tools: Mathematica, RGTC package, analytical modeling, LaTeX.

Professional Experience | Hospitality Manager | Sociale Hygiene (SVH) Certified

Manager | Full-Time | Ristorante Nerello (Top 500 in NL), Rotterdam
Sep 2024 – Present

- Led a team in a high-end restaurant environment with operational and personnel responsibilities, ensuring service standards under pressure.

Manager | Full-Time | Rodos Good Taste, Leiden
Feb 2024 – Sep 2024

- Oversaw daily operations, managed HACCP compliance, and handled inventory orders for both kitchen and bar.

Manager | Full-Time | Very Italian Pizza (VIP), Leiden
Dec 2022 – Jan 2024

- Managed supply orders for bar and kitchen, created weekly staff schedules, and supervised floor and kitchen operations. Coordinated invoice documentation for accounting, closed the daily register, and tracked worked hours by clocking out staff. Also prepared contract-related paperwork for new hires.

Assistant Manager | Full-Time | VIP, Leiden
Sep 2022 – Dec 2022

Waiter | Part-Time | VIP, Leiden
Sep 2021 – Sep 2022