Adriel Ong
Curriculum Vitae

Website:	`https://manifoldpreacher.github.io/index.html`
E-mail:	`adriel_ong@zoho.com`
Position held:	Academic Council Staff, M&S Research Hub
Website:	`https://ms-researchhub.com`
E-mail:	`ong@ms-researchhub.com`

RESEARCH PROJECTS

DECISION THEORY

2019/08	*Markov Switching Model of Driving Decisions with Bounded Rationality* Networks and Spatial Economics (Under Review)

TECHNICAL PAPERS

TRANSPORTATION

Undergraduate Thesis	*Developing a Provincial Destination Choice Model of the Philippines*
2019/08	Annales of Tourism Research Empirical Insights (Under Review).
2018/12	*Is the Filipino Worker Ready for Industry 4.0? An Empirical Analysis*
	SN Business and Economic Review (Under Review).
2018/12	*Mode Choice Analysis of New York City*
	SN Operations Research Forum (Under Review).

CONSULTANCY WORK

2020/10	*Cafe Aghora Sales Consultancy* Gave consultation for a data science team which analyzed optimal days for sales from Cafe Aghora in Bacolod City.
2020/10	*Sta Rita Orphanage Data Engineering* Gave consultation for a data science team which performed data engineering for Sta Rita Orphanage in Parañaque City.
2020/07	*Alabel Municipal Hall Feasibility Study* Prepared a feasibility study on the new municipal hall of Alabel, Sarangani.
2020/05	*Outlook on Feeds and Grain Market* Prepared an outlook analysis on the domestic markets for feeds and grains.
2020/01	*Hotel Feasibility Study* Estimated projected profits using quantitative methods on visitor, revenue, and geospatial data.
2020/01	*Employee Turnover Analysis* Crafted a survey to record key variables and performed statistical analysis to determine which variables affected the probability of turnover.
2019/11	*Firm Profitability Analysis* Obtained company time-series data on employee productivity and performed market research to determine their effects on the company's profits.
2019/03	*Route Assignment for Travel between Metro Manila Central Business Districts* Determined optimal route assignments for travelers between Makati, Ortigas, and Bonifacio Global City using linear programming methods.
2018/08	*Estimation of the Lane–Mile Elasticity of Metro Manila Traffic* Estimated the magnitude of effect of road size and expansions on traffic in Metro Manila in the Philippines using linear regression methods.

Training

2020/11–12	*Open Economy Models, Dynamic CGE, and SAM Balancing with GAMS*
	Gave training for Computable General Equilibrium models with GAMS.
2020/11	*Bayesian SVAR and Regime Switching Models Using R and Stata*
	Gave introductory training to the theory and practice of Structural Vector Autoregressions, Bayesian Inference, and Regime Switching Models with Stata.

Formation

April 2022 (Projected)	Master of Science in Mathematics De La Salle University, Philippines
December 2019	Bachelor of Science in Applied Economics, Major in Industrial Economics De La Salle University, Philippines Thesis: "Developing a Provincial Destination Choice Model of the Philippines" Advisor: Lawrence B. Dacuycuy cGPA: 3.193/4.0
Relevant Grades:	
Introductory Econometrics	3.5
Advanced Econometrics	4.0
Economics Thesis 1	4.0
March 2016	**Colegio San Agustin**, Makati — Final Average: 92.95/100

Languages

English:	Mother Tongue
Tagalog:	Fluent
Kapampangan:	Intermediate
Japanese:	Basic Knowledge
Korean:	Basic Knowledge
Latin:	Ecclesiastical Usage

Programming Languages

Intermediate:	Python, R, LaTeX, Groff, Markdown, HTML, CSS
Basic:	Julia, C#
Operating Systems Used:	Ubuntu, Manjaro, ArtixLinux
Other Software Used:	SageMath, Stata, OnlyOffice

Interests and Activities

Main Fields: Mathematics, Statistics

Concentrations: Probability Theory, Stochastic Processes, Regression Analysis, Transportation Research, Decision Theory

Incidental Interests: Scholastic Philosophy, Medieval Studies

References

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