Adriel Ong
Curriculum Vitae

Website:	`https://manifoldpreacher.github.io/index.html`
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RESEARCH PROJECTS

DECISION THEORY

2019/08	*Markov Switching Model of Driving Decisions with Bounded Rationality* TBA

TECHNICAL PAPERS

TRANSPORTATION

Undergraduate Thesis	*Developing a Provincial Destination Choice Model of the Philippines*
2019/08	Estimated the effect of factors affecting the choice of travel destination in the Philippines using discrete choice methods.
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.
2018/12	*Mode Choice Analysis of New York City*
	Estimated the effect of factors affecting transport mode choice of New York residents using discrete choice 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.

CONSULTANCY WORK

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.
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.
2020/01	*Hotel Feasibility Study*
	Estimated projected profits using quantitative methods on visitor, revenue, and geospatial data.
2020/05	*Outlook on Feeds and Grain Market*
	Prepared an outlook analysis on the domestic markets for feeds and grains.
2020/07	*Alabel Municipal Hall Feasibility Study*
	Prepared a feasibility study on the new municipal hall of Alabel, Sarangani.

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, Markdown, HTML
Basic:	Julia, C#
Novice:	Lua
Operating Systems Used:	Ubuntu, Manjaro
Other Software Used:	SageMath, Stata

Interests and Activities

Main Fields: Mathematics, Statistics

Concentrations: Real Analysis, Differential Geometry, Probability Theory, Markov Chains, Regression Analysis, Transportation Research, Game Theory

Incidental Interests: Scholastic Philosophy, Medieval Studies

References

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