



**UNIVERSITAS INDONESIA**

Faculty of Mathematics and Natural Sciences

Department of Mathematics

Building D, Kampus UI Depok 16424, Telp: 021 - 7863439,

Email: sekretariat.math@sci.ui.ac.id, website: <https://www.math.ui.ac.id/>

**STAFF HANDBOOK**

<b>Name</b>	<b>Dr. Yekti Widyaningsih</b>		
<b>Expertise</b>	<b>Applied Statistics</b>		
<b>Academic career</b>		<b>Institution</b>	<b>Year</b>
	Undergraduate degree	Universitas Indonesia	1986 - 1992
	Master degree	Bogor Agricultural University	1999 - 2002
	Doctoral degree	Bogor Agricultural University	2007 - 2012
	Post-doctoral	Pennsylvania State University	2014
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	<b>Period</b>
	Lecturer	Universitas Indonesia	1995 - 2001
	Assistant Professor	Universitas Indonesia	2001 - 2016
	Associate Professor	Universitas Indonesia	2016 - now
<b>Research and development projects over the last 5 years</b>	<ol style="list-style-type: none"> <li>Universitas Indonesia with Hibah Riset FMIPA UI 2021 Q3 research grant scheme, "Analysis of the effectiveness of online learning for Indonesian students and the factors that influence it". Period: 2021. Partner: Dra. Rianti Setiadi, M.Si. Amount of financing: IDR. 34.000.000,-</li> <li>Universitas Indonesia with PUTI Proceeding research grant scheme, "Geoinformatics Statistics as Support in Regional Government Policy Making in the Field of Health, Environment and Demography", Period: 2020. Partner: Dra. Siti Nurrohmah, M.Si (Member). Amount of financing: IDR. 23.028.300,-</li> <li>Universitas Indonesia with PUTI Q4 research grant scheme, "Spatial Clustering and Modeling on Education Data in Indonesia", Period: 2020. Partner: Dr. Hengki Tasman (Member). Amount of financing: IDR. 17.500.000,-</li> <li>Universitas Indonesia with PITTA research grant scheme, "Geoinformatics of Education Data in Indonesia". Period: 2019. Partner: Dr. Hengki Tasman (member). Amount of financing: IDR. 45.000.000,-</li> <li>Universitas Indonesia with PITTA research grant scheme, "Pemodelan Statistika for Criminal and Health and Lindley Inverse Power Distribution Development for Environmental data analysis", Period: 2018. Partner: Dra. Siti Aminah, M.Kom (Member). Amount of financing: IDR. 81.000.000,-</li> <li>Universitas Indonesia with PITTA research grant scheme, "Pemodelan Statistika dan Statistika Spasial untuk Analisis Data Lingkungan dan Demografi di Indonesia", Period: 2018.</li> </ol>		

	Partner: Dra. Siti Nurrohmah, M.Si. (Member). Amount of financing: IDR. 81.000.000,-	
<b>Industry collaborations over the last 5 years</b>	--	
<b>Patents and proprietary rights</b>	<b>Title</b>	<b>Year</b>
<b>Important publications over the last 5 years</b>	<p style="text-align: center;"><b>Selected Recent Publications</b></p> <ol style="list-style-type: none"> <li>1. D R S Saputro, <b>Y Widyaningsih</b>, P Widyaningsih, Sutanto, and Widiastuti, Spatio-Temporal Patterns of Dengue Hemorrhagic Fever (DHF) Cases with Local Indicator of Spatial Association (LISA) and Cluster Map at Areas Risk in Java-Bali Indonesia, AIP Conference Proceedings 2326, 020027, 2021.</li> <li>2. S L Sternart, V Kaur, <b>Y Widyaningsih</b>, A K Patel, COVID-19 phobia across the world: Impact of resilience on COVID-19 phobia in different nations, Counselling &amp; Psychotherapy Research/Wiley Online Library, Couns Psychother Res. 2021;00:1–13, 2021.</li> <li>3. G G Toth, P K R Nair, M Jacobson, <b>Y Widyaningsih</b>, C P Duffy, Malawi's energy needs and agroforestry: Impact of woodlots on fuelwood sales, Energy for Sustainable Development, Volume 50, Pages 101-108, <a href="https://doi.org/10.1016/j.esd.2019.02.006">https://doi.org/10.1016/j.esd.2019.02.006</a>, 2019.</li> <li>4. C Duffy, G G Toth, R P O Hagan, P C McKeown, S A Rahman, <b>Y Widyaningsih</b> . T C H Sunderland, C Spillane, Agroforestry contributions to smallholder farmer food security in Indonesia, Agroforest Syst, <a href="https://doi.org/10.1007/s10457-021-00632-8">https://doi.org/10.1007/s10457-021-00632-8</a>, 2021.</li> <li>5. F K Alam1, <b>Y Widyaningsih</b>, and S Nurrohmah, Geographically weighted logistic regression modeling on stunting cases in Indonesia, Journal of Physics: Conference Series, <b>1722</b> (2021) 012085 IOP Publishing doi:10.1088/1742-6596/1722/1/012085, 2021.</li> <li>6. S Noorcintanami, <b>Y Widyaningsih</b>, and S Abdullah, Geographically weighted models for modelling the prevalence of tuberculosis in Java, Journal of Physics: Conference Series 1722 (2021) 012089 IOP Publishing doi:10.1088/1742-6596/1722/1/012089, 2021.</li> <li>7. S Yulianti, <b>Y Widyaningsih</b>, and S Nurrohmah, Spatial panel data model on human development index at Central Java, Journal of Physics: Conference Series 1722 (2021) 012090, IOP Publishing doi:10.1088/1742-6596/1722/1/012090, 2021.</li> <li>8. R Azzakia, <b>Y Widyaningsih</b>, and S F Sari, Analysis of variables that affect women's participation to work in Kelurahan Pondok Cina, Depok, AIP Conference Proceedings 2242, 030005 (2020); <a href="https://doi.org/10.1063/5.0008286">https://doi.org/10.1063/5.0008286</a>, Published Online: 01 June 2020.</li> <li>9. B Delmiana, R Setiadi and <b>Y Widyaningsih</b>, Comparing factors which affect Visceral Fat Area (VFA) for male and female weight management X participants with chow method and meta regression, Journal of Physics: Conference Series 1725 (2021) 012030, doi:10.1088/1742-6596/1725/1/012030, 2021.</li> <li>10. A Nabila, <b>Y Widyaningsih</b> and S Nurrohmah, The GSp criterion on subset selection method for regression in the presence of outliers and</li> </ol>	

	<p>multicollinearity, <i>Journal of Physics: Conference Series</i> <b>1725</b> (2021) 012024, IOP Publishing, doi:10.1088/1742-6596/1725/1/012024, 2021.</p> <p>11.R Febrianti, <b>Y Widyaningsih</b> and S Soemartojo, The parameter estimation of logistic regression with maximum likelihood method and score function modification, <i>Journal of Physics: Conference Series</i> <b>1725</b> (2021) 012014, IOP Publishing, doi:10.1088/1742-6596/1725/1/012014, 2021.</p> <p>12.F A O Rumere, S M Soemartojo and <b>Y Widyaningsih</b>, Restricted Ridge Regression estimator as a parameter estimation in multiple linear regression model for multicollinearity case, <i>Journal of Physics: Conference Series</i> <b>1725</b> (2021) 012021, IOP Publishing, doi:10.1088/1742-6596/1725/1/012021, 2021.</p> <p>13.E N Manurung, <b>Y Widyaningsih</b> and S Aminah, Linear regression model as an approach to analyze spatio temporal data to know the influence factors of the number of crimes in North Sumatera, <i>Journal of Physics: Conference Series</i> <b>1725</b> (2021) 012029, IOP Publishing, doi:10.1088/1742-6596/1725/1/012029, 2021.</p> <p>14.I Nadiya, <b>Y Widyaningsih</b>, and D Sarwinda, Parameter estimation for binary time series using partial likelihood, <i>Journal of Physics: Conference Series</i> <b>1725</b> (2021) 012085, IOP Publishing, doi:10.1088/1742-6596/1725/1/012085, 2021.</p> <p>15.T Runadi, <b>Y Widyaningsih</b>, D Lestari, Modeling total crime and the affecting factors in Central Java using geographically weighted regression, <i>Journal of Physics: Conference Series/IOP Publishing</i>, <b>1442</b> (2020) 012026, <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012026/pdf">https://iopscience.iop.org/article/10.1088/1742-6596/1442/1/012026/pdf</a>, 2020.</p> <p>16.W F Mustika, H Murfi, <b>Y Widyaningsih</b>, Analysis Accuracy of XGBoost Model for Multiclass Classification - A Case Study of Applicant Level Risk Prediction for Life Insurance, <i>IEEE Xplore</i>, 10 February 2020.</p> <p>17.<b>Y Widyaningsih</b>, D Sarwindah, A Y Yasinta, Analysis of Outlier Data using Parallel Maximum Likelihood Estimator, <i>ACM Digital Library</i>, <a href="https://doi.org/10.1145/3305160.3305215">https://doi.org/10.1145/3305160.3305215</a>, 13 Janury 2019.</p> <p>18.H Surjotedjo, Y Widyaningsih, S Nurrohmah, Median polish kriging model for circular spatial data, <i>SMIC 2018 Proceeding (CRC Press: Taylor &amp; Francis Group)</i>, <a href="http://www.balkema.nl/assets/downloads/zip/SMIC_2018.zip">www.balkema.nl/assets/downloads/zip/SMIC_2018.zip</a>, 23 May 2019.</p> <p>19.H R Azhari, <b>Y Widyaningsih</b> and D Lestari, Predicting Final Result of Football Match Using Poisson Regression Model, <i>MISEIC 2018 IOP Publishing, IOP Conf. Series: Journal of Physics: Conf. Series</i> <b>1108</b> (2018) 012066, doi :10.1088/1742-6596/1108/1/012066, 2018.</p> <p>20.R Fitri, <b>Y Widyaningsih</b> and D Lestari, A Comparison of O'Sullivan Penalized Spline and Penalized Spline Based Truncated Power Basis Methods to Predict Ozone Concentrations, <i>MISEIC 2018 IOP Publishing, IOP Conf. Series: Journal of Physics: Conf. Series</i> <b>1108</b> (2018) 012072, doi :10.1088/1742-6596/1108/1/012072, 2018.</p> <p>21.C H P Tatipatta, <b>Y Widyaningsih</b> and S Nurrohmah, The Factors Affecting Maternal Mortality in Java: Spatial Modeling Application on Demographic Data, <i>IOP Conf. Series: Journal of Physics: Conf. Series</i> <b>1108</b> (2018) 012020, <i>MISEIC 2018 IOP Publishing</i>, doi :10.1088/1742-6596/1108/1/012020, 2020.</p>
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	<p>22.R M Pakungwati, <b>Y Widyaningsih</b> and D Lestari, Marshall-Olkin Extended Inverse Weibull Distribution and Its Application, IOP Conf. Series: Journal of Physics: Conf. Series 1108 (2018) 012114, MISEIC 2018 IOP Publishing, doi :10.1088/1742-6596/1108/1/012114, 2018.</p> <p>23.R Hibatullah, <b>Y Widyaningsih</b>, S Abdullah, Marshall-Olkin Extended Power Lindley Distribution With Application, J. Ris. &amp; Ap. Mat. Vol. 2 No. 2 (2018) Pp. 84-92.</p> <p>24.C Basir, <b>Y Widyaningsih</b>, Scan Statistic Hotspot Detection and ORDIT Ordering Based on Health Multivariable Data in Depok, Proceeding of The 2nd International Conference on Applied Statistics 2016, 2017.</p> <p>25.M Verdiana, <b>Y Widyaningsih</b>, Hotspot detection using space-time scan statistics on children under five years of age in Depok, AIP Conference Proceedings, Volume 1827, Issue 1, id.020018, <b>DOI:10.1063/1.4979434</b>, 2017.</p> <p>26.T Runadi, <b>Y Widyaningsih</b>, Application of hotspot detection using spatial scan statistic: Study of criminality in Indonesia, AIP Conference Proceedings <b>1827</b>, 020011 (2017); <a href="https://doi.org/10.1063/1.4979427">https://doi.org/10.1063/1.4979427</a>, 2017</p> <p>27.W S Ningrum, <b>Y Widyaningsih</b>, and T L Indra, Spatial modeling on the upperstream of the Citarum watershed: An application of geoinformatics, AIP Conference Proceedings 1827, 020017, <a href="https://doi.org/10.1063/1.4979433">https://doi.org/10.1063/1.4979433</a> Published Online: 30 March 2017.</p> <p>28.P A Samuel, <b>Y. Widyaningsih</b>, D Lestari, Analysis of variables affecting unemployment rate and detecting for cluster in WestJava, Central Java, and East Java, in Citation: AIP Conference Proceedings 1707, 080009 (2016); doi: 10.1063/1.4940866, 2016.</p>		
<b>Scholar UI ID</b>	<a href="https://scholar.ui.ac.id/en/persons/yekti-widyaningsih">https://scholar.ui.ac.id/en/persons/yekti-widyaningsih</a>		
<b>Activities in specialist bodies over the last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	ISCB (International Society Biostatistics)	member	2018 - now
	IndoMS	member	2015 – now
	ASA (American Statistical Association)	member	2017