



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Mathematics Department

Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 552243 Fax: +62 274 555131 Email: stat.fmipa@ugm.ac.id Website: <http://s1stat.fmipa.ugm.ac.id/>

Undergraduate Program in Statistics

Telp : +62 274 552243

Email : stat.fmipa@ugm.ac.id; kaprodi-s1-statistika.mipa@ugm.ac.id

sekprodi-s1-statistika.mipa@ugm.ac.id

Website : <http://s1stat.fmipa.ugm.ac.id/>

MODULE HANDBOOK

Module name	Regresi Semiparametrik (Semiparametric Regression)
Module level, if applicable	Doctoral
Code, if applicable	MMS-886
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	2 nd Semester
Person responsible for the module	Prof. Dr. Sri Haryatmi Kartiko, M.Sc
Lecture(s)	Prof. Dr. Sri Haryatmi Kartiko, M.Sc
Language	Bahasa Indonesia
Classification within the Curriculum	Compulsory course / Elective Studies
Teaching format /class hours per week during the semester:	Presentation methods used lectures, presentations and discussions. The lecture is given at the beginning of the lecture opening with an allocation of 30 minutes, the remaining 120 minutes is used for presentations and discussions. During one semester the number of meetings was 14 times plus 1 midterm in 8 meetings and 1 UAS in 16 meetings.
Workload	3 hours lectures, 6 hours individual study, 14 weeks per semester, and total 126 hours a semester
Credit points	3
Requirements	-
Module objectives/intended learning outcomes	By the end of this course : CO1: Student are able to understand and explain about introduction to Regression Model, Generalized Linear Model, CO2: Student are able to understand and explain about Generalized Partial Linear Model, Additive Models and Marginal Effects, Generalized Additive Model (GAM) CO3: Estimating parameters in the Generalized Linear Model, Generalized Partial Linear Model, Additive Models and Marginal Effects, Generalized Additive Model (GAM) CO4: Inference for Generalized Linear Models, Generalized Partial Linear Models, Additive Models and Marginal Effects, Generalized Additive Model (GAM)
Content	-Parametric, nonparametric and semiparametric Regression Models - Generalized Linear Model - Generalized Partial Linear Model - Additive Model and marginal effects - Generalize Additive Models (GAM)
Study and xamination requirements and forms of examination	Grade scale: A: $80 \leq \text{score}$ A/B: $70 \leq \text{score} < 80$ B: $60 \leq \text{score} < 70$ B/C: $50 \leq \text{score} < 60$ C: $40 \leq \text{score} < 50$ D: $20 \leq \text{score} < 40$ E: $\text{score} < 20$

Media employed	Books in reference lists, journals, LCD, laptops, and whiteboards
Reading List	<ol style="list-style-type: none"> 1. Hardle, W., Muller, M., Sperlich, S., Werwadz, A., (2004) Nonparametric and Semiparametric Linear Models. Berlin, Germany 2. Hardle, W., Liang, H. and Gao, J. (2009) Partially Linear Models . Berlin, Germany 3. Searle, S.R. (1971), Linear Models, John Willey and Sons Inc., New York

CO and PLO mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
CO 1	x						
CO 2		x					
CO 3			X				