MODULE HANDBOOK

Modulo nomo	Practicum of Catagorical Data Analysis								
Module lavel if applicable	Practicum of Categorical Data Analysis Rachalor Dagree								
Code if applicable	SST_507								
Subtitle if applicable	551-507								
Courses if applicable	- Desctioner of Cotogorical Data Anglusia								
Semester(s) in which the	riacticum of Categorical Data Analysis								
module is taught	2 nd (second)								
Person responsible for the module	Coordinator of science groups								
Lecturer	Dr. Jaka Nugraha, M.Si								
Language	Bahasa Indonesia								
Relation to curriculum	Compulsory course in the second year (5 nd semester) Bachelor Degree								
Type of teaching, contact	100 minutes of lectures and 120 minutes of structured activities per								
hours	week.								
Workload	The total workload is 46.67 hours per semester, consisting of 100 minutes of lectures per week for 10 weeks, 180 minutes of structured activities per week, 10 weeks per semester, including pre-test and practicum final exam.								
Credit points	1								
Requirements according to the examination regulations	Students have taken Practicum of Categorical Data Analysis course (SST-507) and have an examination card where the course is stated on.								
Recommended prerequisites	Statistical Methods 2 (SST-204)								
Module objectives/intended learning outcomes	 After completing this course, the students have can utilize Ms. Excel, SPSS, Minitab, R in: CO1: proportion computing in Binomial Distribution and Multinomial Distribution CO2: independence testing for contingency tables using Fisher's Exact Test and Chi-squared tests CO3: parameter estimating in Loglinear model. CO4: parameter estimating in Logistic regression model. 								
Content	 Using Ms. Excel and R to compute Probability Distributions for Categorical Data (Binomial, Multinomial and Poisson) Using SPSS, Minitab and R to compute in : a) Statistical Inference for a Proportion (Likelihood Ratio, Wald Test, Score Test. The goodness of Fit Test. Exact Inference for Small Samples. b) Statistical Inference for Comparing Proportions, Odds Ratio, Chi-Squared Tests of Independence. c) Statistical Inference for Loglinear models d) Statistical Inference for Logistic Regression 								
Study and examination requirements and forms of examination	The final mark will be weighted as follows:NoAssessmentAssessmentWeightcomponentstypes(percentage)1CO1Assignment25%2CO2Assignment25%3CO3Assignment25%4CO4Assignment25%								
Media employed	White-board, Laptop, LCD Projector								
	1. Nugraha, Jaka, 2014, "Pengantar Analisis Data Kategorik								
Reading list	menggunakan progran R", Deepublih								

2. Alan Agresti, 2007, "An Introduction to Categorical Data									
Analysis", Second Edition John Wiley & Son.									
3. Nugraha, Jaka, 2017," Pemodelan Data Nominal, Ordinal dan									
Cacah", Universitas Islam Indonesia									

Mapping CO, PLO, and ASIIN's SSC

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ASIIN		PLO											
		Е	N	Т	Н	U	S	Ι	Α	S	Т	Ι	С
Knowledge	a												
	b												
	с												
	d												
Ability	е										CO2		
	f												
Competency	g										CO1		
	h												
	i												
	j										CO3		
	k												
	1										CO4		