University: P. J. Šafá	rik University in Košice
Faculty: Faculty of L	aw
Course ID: ÚMV/ ZSM/14	Course name: Basic Methods of Statistic
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	re rse-load (hours): dy period: 28
Number of credits: 4	l.
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours Working out an indiv	-
Learning outcomes: Understanding basics	s of descriptive statistics used in sciences.
 Basic characteristica Basic probability di Point and interval ea Testing of basic state 	ment. Data types. Frequencies. s of data: measures of location and variability, quantiles. stributions.
	ature: cott: Introductory Statistics, Wiley 1977 cott: Statistics Textbook (http://www.statsoft.com/Textbook), Statsoft, 2014
Course language: Slovak	
Notes:	
Course assessment Total number of asses	ssed students: 0
Provides: doc. RNDr	. Ivan Žežula, CSc.
Date of last modifica	tion: 03.05.2015
Approved:	

Faculty: Faculty of Law Course ID: ÚMV/ DAM/14 Course name: Data Mining Course type, scope and the method: Course type: Lecture Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Per week: 2 Per study period: 28 Course method: present Number of credits: 4 Recommended semester/trimester of the course: Course level: N Prerequisities: Conditions for course completion: Continuous assessment and a final project. Earning outcomes: Understanding of basic concepts of data mining and basic usage of freely available software: Practical skills for solving simple data mining tasks in small or medium siyed data sets (e.g. dat from experiments measured for a final thesis). Brief outline of the course: basic data types and their pre-processing; regression and classification; clustering; mining frequer patterns and association rules; freeware data mining programs; the CRISP-DM methodology Recommended literature: 1. Jiawei Han, Michelline Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan Kaufmann, ISBN 978-0123814791, 2011. 2. Pang-Ning Tan, Michael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison- Wesley, ISBN 978-0321321367, 2005. Course language: Slovak Slovak Notes: Course caseessment Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD. Provides: RNDr. Tomáš Horváth, PhD.	University: P. J. Šafá	rik University in Košice
DAM/14 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of credits: 4 Recommended semester/trimester of the course: Course level: N Prerequisities: Continuous assesment and a final project. Continuous assesment and a final project. Learning outcomes: Understanding of basic concepts of data mining and basic usage of freely available software: Practical skills for solving simple data mining tasks in small or medium siyed data sets (e.g. dat from experiments measured for a final thesis). Brief outline of the course: basic data types and their pre-processing; regression and classification; clustering; mining frequer patterns and association rules; freeware data mining programs; the CRISP-DM methodology Recommended literature: 1. Jiawei Han, Micheline Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan Kaufmann, ISBN 978-0123814791, 2011. 2. Pang-Ning Tan, Michael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison-Wesley, ISBN 978-0321321367, 2005. Course language: Slovak Notes: Course assessment Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD.	Faculty: Faculty of L	aw
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Recommended semester/trimester of the course: Course level: N Prerequisities: Conditions for course completion: Continuous assesment and a final project. Learning outcomes: Understanding of basic concepts of data mining and basic usage of freely available softwares Practical skills for solving simple data mining tasks in small or medium siyed data sets (e.g. dat from experiments measured for a final thesis). Brief outline of the course: basic data types and their pre-processing; regression and classification; clustering; mining frequer patterns and association rules; freeware data mining programs; the CRISP-DM methodology Recommended literature: 1. Jiawei Han, Micheline Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan Kaufmann, ISBN 978-0123814791, 2011. 2. Pang-Ning Tan, Michael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison-Wesley, ISBN 978-0321321367, 2005. Course language: Slovak Notes: Course assessment Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD.	Course type: Lectur Recommended cour Per week: 2 Per stu	re rse-load (hours): dy period: 28
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Slovak Notes: Course assessment Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD.	 Jiawei Han, Miche Kaufmann, ISBN 978 Pang-Ning Tan, M 	line Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan 8-0123814791, 2011. ichael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison-
Course assessment Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD.	0 0	
Total number of assessed students: 0 Provides: RNDr. Tomáš Horváth, PhD.	Notes:	
		ssed students: 0
	Provides: RNDr. Ton	náš Horváth, PhD.
Date of last modification: 03.05.2015	Date of last modifica	tion: 03.05.2015

Approved:

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of L	aw
Course ID: ÚMV/ MAD/14	Course name: Data Modelling and Analysis by Means of CAS Systems
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	re rse-load (hours): dy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours examination based or system	be completion: In working-out the solution of a given real problem using a computer algebra
Learning outcomes: To provide knowledg algebra systems.	ge and skills for mathematical modelling and data analysis using computer
language syntax. Da	bourse: hematica CAS systems: comparison, environment, basic functionality and ata import and export, visualizations and analyses. Basic and advanced natical modelling using CAS.
I. Shingareva, C. Liza Mathematics, Springe	nture: to Maple / Mathematica arrága-Celaya: Maple an Mathematica. A Problem Solving Approach for er-Verlag/Wien, 2007, 2009 n to Maple, Springer-Verlag, New York, 2003
Course language: Slovak or English	
Notes:	
Course assessment Total number of asses	ssed students: 0
Provides: doc. RNDr	. Tomáš Madaras, PhD.
Date of last modifica	tion: 03.05.2015

University: P. J. Šafár	rik University in Košice
Faculty: Faculty of La	aw
Course ID: ÚMV/ VRS/14	Course name: Multidimensional Statistical Methods
Course type, scope an Course type: Lectur Recommended cour Per week: 2 Per stue Course method: pre	e rse-load (hours): dy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Learning outcomes:	partial examination and working out an individual project.
	ourse: Dependence measures. Contingency tables. Regression analysis. Logistic of variance. Basics of time series. Cluster analysis.
Chapman & Hall/CRO 2. Garson, D.: PA 765	of univariate and multivariate data analysis and interpretation in SPSS,
Course language: Slovak	
Notes:	
Course assessment Total number of asses	ssed students: 0
Provides: RNDr. Dan	iel Klein, PhD.
Date of last modifica	tion: 03.05.2015
Approved:	