

LITHUANIAN SPORTS UNIVERSITY

STUDY MODULE PROGRAMME (SMP)

		С	274		060	A 1:4	1		D	1	1.4.
Mo	odule Code	S	h of Science	B		Teaching / Learning Methods Exercise classes, Literature analysis Test Ve Exercise classes, Literature analysis e able Exercise classes, ds Literature analysis Exercise classes, Literature analysis Exercise classes, Literature analysis Exercise classes, Literature analysis, Practical exercises (tasks) Individual project f critical thinking, working independently, e scientific information, to plan scientific research. s, surveys, sample collection methods. Data analysis of data. Correlation and regression analysis. Sample atistical analysis of non-parametric data. Formation					
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	equisites	lology II									
	oduction to U	niversity	Studies Ph	ilosophy of	f Science						
	rse (module)			шеверну ел	- Selence						
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2	Understand data analysi		be able to p	erform des	criptive				Coı	ntrol w	vork
3	Understand to choose ap								Cou	ırse w	ork
4	Understand analysis me sample chec	tasks)									
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Grou	up under fina	ncial clas	sification								
Sylla	abus										
№.				ns and them	ies		I	Respon	sible	lecture	er
1.	Introduction			11 . 11							
2.	Population										
3.	Descriptive SPSS datas		ial and corr	elation anal	ysis.						
<u>4.</u> 5.	Descriptive										
6.	Creating ne		les and reco	ding variah	les						
7.	Creating an			unig variao	103						
8.	Statistics pr										
9.	Assessing the			ata distribu	tion						
10.	Cross tabula										
11.	Independen										
12.	One-factor	analysis o	of variance								
13.	Mann Whit										
14	Comparativ	e statistic	e for small	independer	nt camples						

Related samples t test and Wilcoxon test

16. Correlation

№.	Sections and themes	Responsible lecturer
17.	Regression analysis	
18.	Effect size	
19.	Solving statistical problems	

Evaluation procedure of knowledge and abilities:

References

Kele	rences		,	T	
		Edition in Lithua		In Lithuanian	Number of
] ,,	TOTAL STATE OF THE	University 1	ıbrary	Sports	ex. in the
№.	Title	Pressmark	Number of exemplars	University bookstore	methodical cabinet of the depart.
1.	Alan Bryman, Duncan Cramer (2008). Quantitative Data Analysis with SPSS 14, 15 and 16. Routledge: Taylor Francis.	004 Br205	1	No	
2.	George, D., Mallery, P. (2022). IBM SPSS statistics 27 step by step: a simple guide and reference, 17th ed. New York, NY: Routledge, Taylor & Francis.	004.9:31	1	No	
3.	Hans-Vaughn, D.L, Lomax, R.G. (2020a). Statistical concepts: a first course. Routledge, Taylor & Francis Group.			No	
4.	Hans-Vaughn, D.L, Lomax, R.G. (2020b). Statistical concepts: a second course, 5th ed. Routledge, Taylor & Francis Group.			No	
5.	Hoffman, J.I.E. (2019). Basic biostatistics for medical and biomedical practitioners, 2nd ed. Elsevier Inc.			No	
6.	Janot, J.M., Beltz, N.M. (2023). Laboratory Assessment and Exercise Prescription. Champaign, IL: Human Kinetics.			No	
7.	Mood, D.P., Morrow, J.R.Jr., McQueen, M.B. (2020). Introduction to Statistics in Human Performance Using SPSS and R, 2nd ed. New York, NY: Routledge, Taylor & Francis.			No	
8.	Morrow, J.R., Jr., Mood, D.P., Zhu, W., Kang, M. (2022). Measurement and evaluation in human performance, 6th ed. Champaign, IL: Human Kinetics.			No	
9.	Thomas, J.R., Martin, P.E., Etnier, J.L., Silverman, S.J. (2023). Research methods in physical activity, 8th ed. Champaign, IL: Human Kinetics.	796.01:001.891	2	No	
10.	Weir, J.P., Vincent, W.J. (2021). Statistics in kinesiology, 5th ed. Champaign, IL: Human Kinetics.	612.766:31	1	No	
11.	Willard, C.A. (2020). Statistical Methods: An Introduction to Basic Statistical Concepts and Analysis, 2nd ed. Routledge, Taylor & Francis Group.			No	

Additional literature

№.	Title
1.	Bacevičienė, M. [@miglebac] (n.d.). YouTube. https://www.youtube.com/@miglebac
2.	Bekešienė, S. (2015). Duomenų analizės SPSS pagrindai: mokomoji knyga. Vilnius, Generolo Jono Žemaičio karo akademija.

№.	Title																							
3.			us, V., Mı			2014). Taikor	noji	re	gre	si	nė	a	nal	izė	so	cial	ini	uos	e mo	ok	slu	ose	. .
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			s. Int J En J. (2017).																rith	sma	11	sar	nn	es
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7.	O'Don & Fran	_	ue, P. (201	2). Stat	istics	for S	port and	Exer	rci	ise :	St	ud	ie	S: 8	an	intr	odı	ıcti	on.	Rou	ıtl	edg	ge,	Taylor
8.	Pett, M.A. (2006). Nonparametric statistics for health care research: statistics for small samples and																							
	unusual distributions, 2nd ed. Sage Publications, Inc. Pukėnas, K. (2011). Kokybinių duomenų analizė SPSS programa: studijų knyga. Kaunas: LKKA																							
9.	Research HTR (2010) Measurement Scales, Choice of Appropriate Graphs and Statistics [VouTube																							
10.	Research HUB (2019). Measurement Scales. Choice of Appropriate Graphs and Statistics [YouTube chanel]. Retrieved from: https://youtu.be/H-FwMJCPHpk																							
11.	Vaitkevičius, R. ir Saudargienė, A. (2006). Statistika su SPSS psichologiniuose tyrimuose. VUD																							
	leidykla. Veal, A.J., Darcy, S. (2014). Research Methods in Sport Studies and Sport Management: A Practical																							
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Study module teaching form No. 4

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