Práca v ArcGIS Desktop

(školenie)

Spracovala: Hana Stanková



Cvičenie 3 :

Atribútové a priestorové výbery

Spracovala: Hana Stanková







ArcGIS 10

ESRI

kontextové menu vrstvy – Open Attribute Table

ArcGIS 9

				Table 🛛									
▦	Attributes of KP86_06			0	- E	🗄 + 🌄 📡	🋉 🖸 🕂 🗙						
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F	8 Polygon	8	332		4	Polygon	6749649920	660264.313	5	5	Košický kraj	8	
	9 Polygon	9	332		5	Polygon	2053263872	293240.594	6	6	Bratislavský kraj	1	
	10 Polygon	10	333		6	Polygon	6341266432	554782.625	7	7	Nitriansky kraj	4	
	11 Polygon	11	332	Г	7	Polygon	4147713792	561476.375	8	8	Trnavský kraj	2	
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	2	Polygon	Greenland	Danish Krone	GL	-99	-99	:=	Select All
	3	Polygon	Jan Mayen	Norwegian Krone	JN	-99	-99	<u></u>	
	4	Polygon	Iceland	Krona	IC	276000	78		Add Field
	5	Polygon	Faroe Is.	Danish Krone	FO	-99	-99		-
	6	Polygon	Finland	Markka	FI	5167000	1144		<u>T</u> urn All Fields On
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	8	Polygon	Latvia	Lat	LG	2405000	547	_	
	9	Polygon	United Kingdom	Pound Sterling	UK	59508000	13337		Restore Default Column Widths
	10	Polygon	Lithuania	Lita	LH	3621000	896		
	11	Polygon	Denmark	Danish Krone	DA	5336000	1105		Joins and Relates
	12	Polygon	Belarus	Ruble	BO	10367000	2479		
	13	Polygon	Isle of Man	Pound Sterling	IM	-99	-99		Related <u>T</u> ables
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	15	Polygon	Poland	Zloty	PL	38646000	9798	1	Create Graph
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F	0	Polygon	6793263616	542096.563	1	1	Žilinský kraj		5	13337		<u>R</u> estore Default Column Widths
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r	4	Polygon	6749649920	660264.313	5	5	Košický kraj		8	996	-	
F	5	Polygon	2053263872	293240.594	6	6	Bratislavský kr	raj	1	9798	1	Create <u>G</u> raph
F	i 6	Polygon	6341266432	554782.625	7	7	Nitriansky kraj		4	2157		Add Table to Layout
F	7	Polygon	4147713792	561476.375	8	8	Trnavský kraj		2	1110	_	
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- Selection Select By Attributes
- cez atribútovú tabuľku

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	3	Polygon	3	332	33	3	3321	33212	3	332	33	3		Select All	
	4	Polygon	4	332	33	3	3321	33211	4	332	33	3		Select All	
	5	Polygon	5	332	33	3	3321	33212	5	332	33	3		Add Field	
	6	Polygon	6	333	33	3	3332	33321	6	333	33	3			
	7	Polygon	7	332	33	3	3321	33211	7	332	33	3		<u>T</u> urn All Fields On	
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	10	Polygon	10	333	33	3	3332	33321	10	333	33	3		Restore Default Column Width	hs
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	12	Polygon	12	324	32	3	3242	32420	12	312	31	3		Joins and Relates	•
	13	Polygon	13	332	33	3	3321	33211	13	332	33	3			
	14	Polygon	14	332	33	3	3321	33211	14	332	33	3		Related <u>T</u> ables	
	15	Polygon	15	321	32	3	3211	32111	15	321	32	3	-		
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	20	Polygon	20	332	33	3	3321	33212	20	332	33	3	I~		
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ArcGIS 10

Atribútové výbery (dopyty)

- Selection Select By Attributes
- cez atribútovú tabuľku

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		1	Polygon	4499161088	466046.781	2	2	Trenčiansky kraj	3			
		2	Polygon	8994707456	765768.688	3	3	Prešovský kraj	7			
I.		3	Polygon	9453109248	637105.313	4	4	Banskobystrický kraj	6			
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L		5	Polygon	2053263872	293240.594	6	6	Bratislavský kraj	1			
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		7	Polygon	4147713792	561476.375	8	8	Trnavský kraj	2			
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ArcMap úlohy č.48-52



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	Attri	butes of d	lemography								Select By Attributes
	FID	Shape	CNTRY NAME		CL	JRR TYPE	FIPS CNTRY	TOT POP	POP U 18	E	Clear Selection
Þ		Polygon	Russia		Ruble		RS	146001000	34811	<u> </u>	
		Polygon	Svalbard		Norweg	gian Krone	SV	-99	-99	_ <u>E2</u>	Switch Selection
		Polygon	Greenland		Danish	Krone	GL	-99	-99	:=	Select All
		8 Polygon	Jan Mayen		Norweg	gian Krone	JN	-99	-99		
	4	Polygon	Iceland		Krona		IC	276000	78		Add Field
		5 Polygon	Faroe Is.		Danish	Krone	FO	-99	-99		
	6) Polygon	Finland		Markka		FI	5167000	1144		<u>T</u> urn All Fields On
	1 7	Polygon	Estonia		Kroon		EN	1431000	322	1	Show Field Aliases
	6	B Polygon	Latvia		Lat		LG	2405000	547	_	
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	10) Polygon	Lithuania						896	_	
	11	Polygon	Denmark	Name	r.	tur			1105		Joins and Relates
	12	Polygon	Belarus	<u></u>		l Ab			2479		
	13	B Polygon	Isle of Man						-99		Related <u>T</u> ables
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	16	Polygon	Czech Republic	– Fieli	d Proper	Long Integer		_	2157		Add Table to Layout
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Typy hodnôt atribútov

- v súbore typu shapefile:
- 1. Číselné
 - Short Integer Float

desatinné čísla

- 2. Text (Text) alfanumerické znaky
- 3. Dátum (Date) dátum, čas, dátum a čas

Data type	Storable range	Size (Bytes)	Applications
Short integer	-32,768 to 32,767	2	Numeric values without fractional values within specific range; coded values
Long integer	-2,147,483,648 to 2,147,483,647	4	Numeric values without fractional values within specific range
Single-precision floating- point number (float)	approximately -3.4E38 to 1.2E38	4	Numeric values with fractional values within specific range
Double-precision floating-point number (double)	approximately - 2.2E308 to 1.8E308	8	Numeric values with fractional values within specific range



Štruktúra atribútovej tabuľky

Layer Properties – Fields

Layer Properties						<u>? ×</u>
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Choose which fields will be visible	E	Appearance				
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Shape		Highlight	No			
AREA	E	Field Details				
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CISKRAJA						
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Table

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Štruktúra atribútovej tabuľky

Layer Properties – Fields

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- 2	Polygon	8994707456	765768 688			Prešovský krai	7			
- 3	Polygon	9453109248	637105.313	4	4	Banskobystrický kraj	6			
4	Polygon	6749649920	660264.313	5	5	Košický krai	8			
5	Polygon	2053263872	293240.594	6	6	Bratislavský kraj	1			
6	Polygon	6341266432	554782.625	7	7	Nitria⊓sky kraj	4			
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						Advanced Table Sorting							
	Attributes of KD	86.06				S <u>o</u> rt by							
╞	ACCIDACES OF KP	00_00			1	FID				•		<u>A</u> scending	
H	OBJECTID 12	Shape *	FID KP86	KOD3	KOD2	,				_	- c	Descending	
Pł	1	៉ Sort <u>A</u> s	cending		33	Then co	et hu						
H	2	🗐 Sort De	scendina		33		сby						
H	3	AL			33	AREA					19	Ascending	
H	5	Ž∳ Ad <u>v</u> anc	ed Sorting		33						•	Descending	
	6	Summar	ize		33	Then so	rt by						
	7				33		- ·				ាខ	Ascendina	
H	8	≥: S <u>t</u> atistic	:s		33	I(none)				L C	Doccording	
H	9	■ Field Ca	lculator		33						- V	Descelland	
Н	10				33	Then sor	rt <u>b</u> y						
Н	11	. <u>⊂</u> alculat	e Geometry		33	(none))				70	Ascending	
H	12	Turo Fie	eld Off		33	Trione.	,				- c	Descending	
H	14		<u>, a o</u> , i		33							<u>_</u>	
	15	Free <u>z</u> e/	Unfreeze Colu	mn	32							_	
	16				33					0	ЭК	Cano	el
Ц	17	X Delete F	Field		33								
Ц	18	Dropark	inc		32	3	3211	32111	1	3 321	32	3	
H	19	Properc	jes		33	3	3321	33212	1	3 332	33	3	
Н	20	Polygon	20	332	33	3	3321	33212	2	1 332	33	3	
H	21	Polygon	21	333	33	3	33321	333212	2	2 333	33	3	
H	22	Polygon	23	333	33	3	3332	33322	2	3 333	33	3	-1
F									-			-	
Ľ		1										<u> </u>	-
	Record: 14	1	→ → 1	Show:	All Se	lected	Rec	ords (354	out of 1497 :	Selected)		Options 👻	



ArcMap úlohy č.53-55



kontextové menu stĺpca

	OBJECTID 12	Shape *	FID KP86	KOD3	KOD2	KOD1	KOD4	KOD5	FID KP
ļ	1	🚔 Sort As	cendina		33	3	3321	33211	
	2				33	3	3332	33321	
	3	F Sort De	scending		33	3	3321	33212	
	4	Advanc	ed Sortina		33	3	3321	33211	
	5	24			33	3	3321	33212	
	6	<u>S</u> ummar	rize		33	3	3332	33321	
	7	5			33	3	3321	33211	
	8	Zi Statistic	S		33	3	3321	33212	
	9	El Field Ca	laulator		33	3	3321	33211	
	10				33	3	3332	33321	
	11	Calculat	e Geometry		33	3	3321	33211	
	12		•		32	3	3242	32420	
	13	Turn Fie	eld <u>O</u> ff		33	3	3321	33211	
	14				33	3	3321	33211	
	15	Free <u>z</u> e/	Unfreeze Colu	IMN	32	3	3211	32111	
	16				33	3	3321	33212	
	17	X Delete I	Field		33	3	3321	33212	
	18				32	3	3211	32111	
	19	Propert	ies		33	3	3321	33212	
	20	Polygon	20	332	33	3	3321	33212	
	21	Polygon	21	332	33	3	3321	33212	
	22	Polygon	22	333	33	3	3332	33321	
	23	Polygon	23	333	33	3	3332	33322	
						<u> </u>	1		

? × Summarize arize creates a new table containing one record for each unique value. selected field, along with statistics summarizing any of the other fields. elect a field to summarize: KOD4 • Choose one or more summary statistics to be included in the output table: ٠ + notes 🖃 Shape_Area 🗌 Minimum Maximum Average 🗸 Sum Standard Deviation Variance • E1 11764 pecify output table: 2 E:\Data\SHP_MDB\lca\Sum_Output.dbf Summarize on the selected records only.

About Summarizing Data

Cancel

OK.



• kontextové menu stĺpca

? X
24



ArcMap úlohy č.56-57



• kontextové menu stĺpca

					Field Calculator		<u>?</u> ×
▦	Attributes of KP86_06				<u>F</u> ields:	Туре:	Functions:
Ę	OBJECTID 12 Shape * FID KP86 KOD3	KOD2	KOD1 K	<u>.</u>	FID	• <u>N</u> umber	Abs()
H	2 Sort Ascending	33	3 33	33	PERIMETER	C String	Cos ()
	3 🛒 Sort Descending	33	3 33	32	KRAJ_		Exp()
F	4 ∂ ↓ Ad <u>v</u> anced Sorting	33	3 33	32	KRAJ_ID NA7KRA 1A	⊙ <u>D</u> ate	Int ()
Н	6 Summarize	33	3 33	33	CISKRAJA		Log()
	7	33	3 33	32			Sor()
	8 Σ S <u>t</u> atistics	33	3 33	32			1-4-1 /
	9 El Estat Caladara	33	3 33	32			
		33	3 33	33			* / &
	11 Calculate Geometry	33	3 33	32			
Ц	12	32	3 32	24	CISKRAJA =	Advanced	+ - =
Щ	13 Turn Field <u>O</u> ff	33	3 33	32		-	
Н	14	- 33	3 33	32	[KKAJ_ID]		Lord 1
н	15 Freeze/Untreeze Column	32	3 32	21			Uau
H	16 V Delete Field	- 33	3 33	32			Save
Н		33	3 33	32			
H	18 Ao Properties	32	3 34	21			Help
н		22	3 33 2 22	22			
H	20 Polygon 20 332	33	3 33	22			
Н	21 Folygon 21 332	33	3 33	22			
H	22 Polygon 22 333	33	3 32	33			
E	20 000	100					
Щ					1		ОК
	Record: II I I I I Show:	All Sel	ected	F	Calculate selected records only		Cancel



• kontextové menu stĺpca

	Field Calculator	? ×		
	Eields: Type:	Functions:		
OBJECTID 12 Shape * FID KP86 KOD3 KOD2 KOD1 ▶ 1	K(FID Image: Constraint of the system 332 AREA Image: Constraint of the system Image: Constraint of the system 333 PERIMETER Image: Constraint of the system Image: Constraint of the system 333 KRAJ_ID Image: Constraint of the system Image: Constraint of the system 333 CISKRAJA Image: Constraint of the system Image: Constraint of the system 333 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 333 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 333 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 334 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 335 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 335 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 336 Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system 337 Image: Consten	Abs() Atn() Cos() Exp() Fix() Int() Log() Sin() Sqr()		
11 Calculate Geometry 33 3 12 33 3 12 32 3 13 Turn Field Off 33 14 33 3 15 Freeze/Unfreeze Column 32 16 33 3 17 Delete Field 33 18 32 3	333 333 334 Pre-Logic VBA Script Code 332 Dim dblArea as double 332 Dim pArea as IArea 332 Set pArea = [shape] 332 dblArea = pArea.area 321	+ - =		
19 Properties 33 3 20 Polygon 20 332 33 3 21 Polygon 21 332 33 3 22 Polygon 22 333 33 3 23 Polygon 23 333 3 3 4 1 Image: Show: All Selected	332 Image: Classical selected records only Data loaded.	OK Cancel		



44:

kontextové menu •

OBJEC	TID 12	S	nape *	FID KF	P86	KOD3	KOD2	KOD1	K
	1	1	Sort As	cendina	33	3	332		
	2	_	2010 [20	containing			33	3	333
	3	F	Sort D <u>e</u>	scending			33	3	332
	4	A⊥	Advanc	ed Sortin	-		33	3	332
	5	<u>4 y</u>	Ha <u>v</u> ane	ca borani			33	3	332
	6		Summar	rize			33	3	333
	7	_	-				33	3	332
	8	ΣĽ	Statistic	:s			33	3	332
	9		rada ca				33	3	332
	10		Field Ca	aculator	•		33	3	333
	11		Calculat	e Geomel	rv		33	3	332
	12			.0 00000	,		32	3	324
	13		Turn Fie	eld <u>O</u> ff			33	3	332
	14						33	3	332
	15		Freeze/	'Unfreeze	Colu	mn	32	3	321
	16						33	3	332
	17	\mathbf{X}	<u>D</u> elete F	Field			33	3	332
	18						32	3	321
	19		Propert	jes			33	3	332
	20	POly	gon		-20	332	33	3	332
	21	Poly	gon		21	332	33	3	332
	22	Poly	gon		22	333	33	3	333
	23	Poly	gon		23	333	33	3	333
			-	1		i	i	· 1	
		-							





• kontextové menu stĺpca

	Attributes of KP	86_06													IX		
	OBJECTID 12	Shape *	FID KP	86 KOI)3 КОД	2 Ко	OD1	KOD4	KOD5	FID KE	P06	кодз	KOD2	KOD1			
	1	🚊 Sort Asi	cendina		33	Ca	alcula	te Geo	metry							?	×
H	2				33	_											
H	3	F Sort De	scending		33	- 1	Proper	ty:	Are	ea							-
H	4	2 ↓ Ad <u>v</u> anc	ed Sorting		33	_	 - Coot	' dinate '	_{Syste} Are	a							
	6	<u>S</u> ummar	rize		33		© 1	ise coor	Per dinati X C	imeter oordinate	of Cer	otroid					
H	7	Σ Statistic			33	- 1	- ~ - ۱	Unknov	YC	oordinate	of Cer	ntroid					
E	9	 ≣I Field Ca	alculator		33												
H	10				33	-	OU	lse coor	dinate sy	stem of t	he data	a frame	:				
H	11	<u>C</u> alculat	te Geometi	ry	33	- 1	[PCS: S	JTSK Kro	vak East	North						
H	12	Turn Fie	ald Off		33		1										
H	14		<u>.</u>		- 33				_								_
	15	Free <u>z</u> e/	(Unfreeze (Column	32	!	<u>U</u> nits:		Uni	known Un	its					1	~
H	16		Field		- 33	_											
H	17				- 20	_	E l ca	(culate)	elected	records o	nlv						
H	10	Propert	ies		33					[ana) as a					_		
H	20	Polydon	-	201332	33		Ŀ	<u>t</u> elp						ОК		Cancel	
	21	Polygon		21 332	33												
	22	Polygon		22 333	33	3	;	3332	33321		22 3	33	33	3			
	23	Polygon		23 333	33	3	;	3332	33322		23 3	33	33	3	-		
┛															·		
	Record: 14 4	1	> > 1	Show	: All S	electe	ed	Reco	rds (354	out of 14	97 Sele	ected)		ptions	•		



ArcMap úlohy č.58-60



• kontextové menu stĺpca

▦	Attributes of KP86_06													
	OBJECTID 12	Shape *	FID KP86	KOD3	KOD2	KOD1	KOD4	KOD5	FID KP06	KOD3	KOD2	KOD1		
Þ	1	E Sort Ac			33	3	3321	33211	1	332	33	3		
	2		centaing		33	3	3332	33321	2	333	33	3		
	3	🗐 Sort De	scending		33	3	3321	33212	3	332	33	3		
	4	AL advanc	ed Sortina		33	3	3321	33211	4	332	33	3		
	5	Z Y Mu <u>v</u> anc	ea borang		33	3	3321	33212	5	332	33	3		
	6	Summar	ize		33	3	3332	33321	6	333	33	3		
	7				33	3	3321	33211	7	332	33	3		
	8	∑: Statistic	S		33	3	3321	33212	8	332	33	3		
	9				33	3	3321	33211	9	332	33	3		
	10		liculacor		33	3	3332	33321	10	333	33	3		
	11	Calculat	e Geometry		33	3	3321	33211	11	332	33	3		
	12		,		32	3	3242	32420	12	312	31	3		
	13	Turn Fie	eld <u>O</u> ff		33	3	3321	33211	13	332	33	3		
	14				33	3	3321	33211	14	332	33	3		
	15	Free <u>z</u> e/	Unfreeze Colui	mn	32	3	3211	32111	15	321	32	3		
	16				33	3	3321	33212	16	332	33	3		
	17	X Delete f	Field		33	3	3321	33212	17	332	33	3		
	18				32	3	3211	32111	18	321	32	3		
	19	Propert	jes		33	3	3321	33212	19	332	33	3		
	20	Polygon	20	332	33	3	3321	33212	20	332	33	3		
	21	Polygon	21	332	33	3	3321	33212	21	332	33	3		
	22	Polygon	22	333	33	3	3332	33321	22	333	33	3		
	23	Polygon	23	333	33	3	3332	33322	23	333	33	3	-	
⊡]		1	'						'	'	►	\square	
	Record: 🚺 🖣	1	F FI - :	Show:	All Sele	ected	Reco	rds (354)	out of 1497 Se	elected)	0	ptions 🔻	·	



• kontextové menu stĺpca

I Attributes	of KP8	6_06											<u>N</u> ame:	KRAJ_					
OBJECTI	12	Shap	e *	FID KP	86	КОВ	в код2	KOD1	KOD4	KOD5	FID KP06	корз	Aļias:	KRAJ_					
F	1	≞ c.					33	3	3321	33211	1	332	Tupor						
	2	<u>≕</u> 30	rt <u>H</u> si	cenaing			33	3	3332	33321	2	333	Type:	Double					
	3	F So	rt D <u>e</u>	scending			33	3	3321	33212	3 3	332							
	4 .	A		- d Caubia a			33	3	3321	33211	4 :	332	C Display						
	5	Z† AO	vanc	ea Sorting	J		_ 33	3	3321	33212	5	332	🗌 🔲 Turn	field off					
	6	Su	mmai	rize			33	3	3332	33321	6	333							
	7	_ =-					33	3	3321	33211	7	332	I_ Make	field <u>r</u> ead o	nly				
	8	Σsta	atistio	cs			33	3	3321	33212	8	332	🗌 🗔 Hiabli	abt field					
	9						33	3	3321	33211	9 :	332		grienola					
	10	Ele	id Ca	alculator			33	3	3332	33321	10 :	333	Number <u>F</u>	Format:				Numeric	
	11	Ca	lculat	te Geomet	rv		33	3	3321	33211	11 :	332							
	12	- 20					- 32	3	3242	32420	12 :	312	🗆 Data 💳						
	13	Tu	rn Fie	eld <u>O</u> ff			33	3	3321	33211	13 :	332							
	14						- 33	3	3321	33211	14 :	332	Precision			11			_
	15	Fre	ee <u>z</u> e/	/Unfreeze	Colu	mn	32	3	3211	32111	15 :	321	Seele			0			1
	16						- 33	3	3321	33212	16 :	332	Scale			U			
	17	X De	lete I	Field			33	3	3321	33212	17 :	332							
	18						32	3	3211	32111	18 :	321							
	19	Pro	pert	ijes			33	3	3321	33212	19 :	332							
	20 F	olygor	1		-20	332	33	3	3321	33212	20	332							
	21 F	Polygor	1		21	332	33	3	3321	33212	21 3	332							
	22 F	Polygor			22	333	33	3	3332	33321	22	333							
	23 F	Polygor	1		23	333	33	3	3332	33322	23	333		0	к	Car	ncel	App	lv
•						1													
Record:	14		1	F		Show:	All Sel	ected	Reco	ords (354	out of 1497 Sel	ected)	Optic	ons 👻					

Field Properties

? X



Prepájanie tabuliek

prepájanie tabuliek

- s pridaním hodnôt **Join**
- kontextové menu vrstvy –

– Joins and Relates – Join

ioin Data 🔤 🚹
Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.
What do you want to join to this layer?
Join attributes from a table
1. Choose the field in this layer that the join will be based on:
CODE00550
2. Choose the <u>t</u> able to join to this layer, or load the table from disk:
🖽 Hárok1\$
\checkmark Show the attribute tables of layers in this list
3. Choose the field in the table to base the join on:
kod
Join Options
● Keep all records
All records in the target table are shown in the resulting table. Unmatched records will contain null values for all fields being appended into the target table from the join table.
C Keep only matching records
If a record in the target table doesn't have a match in the join table, that record is removed from the resulting target table.
<u>V</u> alidate Join
About Joining Data OK Cancel



Prepájanie tabuliek

Tab °--

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- prepájanie tabuliek s pridaním hodnôt – Join
- kontextové menu vrstvy -• – Joins and Relates – Join

Join Data

Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.

? X

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- 🔁

•

Cancel

What do you want to join to this layer?

Join attributes from a table

CODE00S50

🖽 Hárok1\$

1. Choose the field in this layer that the join will be based on:

2. Choose the table to join to this layer, or load the table from disk:

						Show the attribute tables of layers in this list
e					×	ose the field in the table to base the join on:
- 1	🖥 🕶 🏪 🍢	🖌 🖓 🛛 🖗				1
					×	Options
FID	Shape *	CODE00S50	kod	popis		Keep all records
0	Polygon	313	313	zmiešaný les		All records in the target table are shown in the reculting table.
1	Polygon	211	211	nezavlažovaná orná pôda		Inmatched records will contain null values for all fields being
2	Polygon	511	511	vodné toky		appended into the target table from the join table.
3	Polygon	243	243	prevažne poľnohospodárske areály s výrazným zastúpením priro	od	
4	Polygon	312	312	ihličnatý les		Keep only <u>m</u> atching records
5	Polygon	231	231	trávne porasty (lúky a pasienky)		If a record in the target table doesn't have a match in the join
6	Polygon	243	243	prevažne poľnohospodárske areály s výrazným zastúpením priro	od	table, that record is removed from the resulting target table.
- 7	Polygon	211	211	nezavlažovaná orná pôda	-	
				1	•	
•	1	> >I 🔲) (0	out of 1031 Selected)		
<u>Г</u>						ining Data OK Car



Uloženie do novej vrstvy

- uloženie vybraných prvkov do novej vrstvy:
- kontextové menu vrstvy Data Export Data





Uloženie do novej vrstvy

- uloženie vybraných prvkov do novej vrstvy:
- kontextové menu vrstvy Data Export Data

Export Data	Saving Data		×
Export: Selected feat	Look in: 🗔	Default.gdb 💽 🛳 🏠 🗔 🗮 🗸	🖴 🖆 🗊 🚳
Use the same coordinate			
Ithis layer's source data	t		
🔿 the data frame			
C the feature dataset y (only applies if you e)			
Output feature class:			
C:\Documents and Sett			
	I		
	Name:	Export_Output	Save
	Save as type:	File and Personal Geodatabase feature classes	Cancel
		File and Personal Geodatabase feature classes	
		SDE feature classes	



ArcMap úlohy č.61-64



editácia jednotlivých hodnôt atribútov



Editor – Start Editing

• ak máme v projekte vrstvy uložené v rôznom adresári alebo

databáze, ponúkne nám na výber

Editor – Stop Editing/Save Edits

Ta	ble		×
0	· ₽·	-	👌 🖸 📲 🗙
clo	2		×
	Shape *	kod	▲ 100
E	Polygon	313	zmiešaný les 📃
	Polygon	211	nezavlažovaná orná pôda
	Polygon	511	vodné toky
	Polygon	243	prevažne poľnohospodárske areály s výrazným zastúp
	Polygon	312	ihličnatý les
	Polygon	231	trávne porasty (lúky a pasienky)
	Polygon	243	prevažne poľnohospodárske areály s výrazným zastúp
	Polygon	211	nezaylažovaná orná pôda 🛛 🚬 🖊
Ľ			
1	• •	1	▶ ▶ 📄 르 🦯 (0 out of 1031 Selected)
d	c2		



ArcMap úloha č.65



Selection – Select By Location

- vyberáme prvky, ktoré:
- sa pretínajú (hraničia) s prvkami referenčnej vrstvy (intersect)
- sú od nich v určitej vzdialenosti (are within a distance of)
- úplne ich obsahujú (completely contain)
- sa v nich úplne nachádzajú (are completely within)
- majú v nich svoj stred (have their center in)
- zdieľajú s nimi uzol alebo segment (share a line segment with)
- dotýkajú sa ich hraníc (touch the boundary of)
- majú identický tvar (are identical to)
- sú pretínané ich obrysom (are crossed by the outline)
- ich obsahujú (contain)
- sa v nich nachádzajú (are contained by)



ArcGIS 10

	Select By Location	2 X	[
	Sectory Location		Select By Location	<u>? ×</u>
ArcGIS 9	Lets you select features from one or more layers based on where they are l in relation to the features in another layer. I <u>w</u> ant to:	ocated	Select features from one or more target layers based on their location in relation to the features in the source layer.	
	select features from	-	Selection <u>m</u> ethod:	
	the following layer(s):	_	select features from	•
		-	Target layer(s):	
			V Kraj mesto	
	ROADS	-		
	I — D Oute show as lastable laway in this list	_	☐ hranice_kraj	
	Dhiy show selectable layers in this list		hranice_stat	
	intercept	-		
	intersect			
	are within a distance of			
	completely contain			
	are completely within have their center in			
	share a line segment with			
	touch the boundary of			
	are identical to		Only show selectable layers in this list	
	contain		Source laver:	
	are contained by		S branice kraj	-
	intersect the red reacties.		V Use selected features (1 features selected)	
			I v use selected readures (1 reatures selected)	
			Spatial selection method:	
			Target layer(s) features are within the Source layer feature	•
			Apply a search distance	
			20.000000 Decimal Degrees	
	Points Lines Polygons			
	Apply Clos	e	Help OK Apply Close	e



Výber porovnaním so všetkými prvkami vrstvy



select features from			*
the following layer(s):			
CITIES Rivers ROADS			4
Conly show selectable lay that	ers in this list		
intersect			•
the features in this layer:			
Western States			-
of: 0.000000 Preview The red features represer The highlighted cyan feat intersect the red features.	Centimeters at the features in West ures are selected beca	ern States. ause they	
		30	\$



Výber porovnaním s vybranými prvkami vrstvy



Select By Location		2	×
Lets you select features fro in relation to the features in I want to:	m one or more layers b another layer.	ased on where they are local	ted
select features from			•
the following layer(s):			
CITIES Rivers ROADS			•
Only show selectable la that:	yers in this list		
intersect			•
the features in this layer:			
Western States			•
Apply a butter to the tex of: 0.000000 Preview The red features repress The highlighted cyan fe- intersect the red feature	stures in Western Stat	es stern States. cause they	
Points	Lines	Polygons Apply	



Výber porovnaním so zónou okolo prvkov



elect By	Location		? ×
Lets you s in relation	select features fr to the features i	om one or more layers n another layer.	based on where they are located
select fe	atures from		*
the follow	ing layer(s):		
CITIES Rivers	S IS		×
∏ Only <u>s</u> that:	how selectable	layers in this list	
are within	n a distance of		•
the featur	es in this layer:		
Western	States		·
gt: Preview The re The hi are wit	d features repre- ghlighted cyan fr	Miles	estern States. ecause they
I	Points	Lines	Polygons ApplyQlose



ArcMap úlohy č.66-68



• menu Selection:

Zoom To Selected Features Pan To Selected Features

Statistics

Selection Options

farba výberu pre jednotlivé vrstvy:
 Layer Properties - Selection



menu Selection: Zoom To Selected Fea Pan To Selected Featu Statistics



- **Selection Options**
- farba výberu pre jednotlivé vrstvy:
 Layer Properties Selection



Selecti 354 fe

Layer:

Field:

|<mark>Shap</mark> Statist

Count Minim Maxin Sum:

Mean Stanc

menu Selection:
 Zoom To Selected Fea
 Pan To Selected Featu
 Statistics
 Selection Options

farba výberu pre jednotlivé vrstv
 Layer Properties - Selection

on Statistics		? >
atures selected from 1 I	ayers Economy Distribution	
	election Options	×
*86_06 =_Area cs: : 354 um: 22,686374 tum: 66222,790554 868993,408394 : 2454,78364 ard Deviation: 5995,8	Interactive selection Interactive selection Image: Select Features by dragging a box with the Select Features tool or Edit tool, or by using the Select By Graphics command, how do you want features to be selected? Image: Select features partially or completely within the box or graphic(s) Image: Select features completely within the box or graphic(s) Image: Select features that the box or graphic(s) are completely within Image: Select features that the box or graphic(s) are completely within Image: Select features that the box or graphic(s) are completely within Image: Select features that the box or graphic(s) are completely within	
/é vrst	Selection tolerance: 3 pixels N S I S I F Selection Color Choose the color you want selected features to be shown with by default: Warning Threshold	
ection	✓ Display a warning when performing a 'Select All' or 'Switch Selection' if the number of records is greater than this threshold: Record Count > 2000 ✓ Save layers with their current selections OK Cancel	



- menu Selection:
 Zoom To Selecte
 Pan To Selected
 Statistics
 Selection Optior
- farba výberu pre Layer Propert

	Selection Statistics					?×
	354 features selected from 1	l layers		Fraguana i Diatriku	tion	e vi
	Layer: KP86_06 Field: Shape_Area	Interactive Report of Repo	options ve selection b b cou select features by di	ragging a box with t	he Select Features	<u>Y</u> X
r Propertie	25					?×
neral Sour	ce Selection Display S	iymbology Fi	ields Definition Query	Labels Joins & Re	elates HTML Popu	e)
Show selec	sted features:					
C using	g the selection color specifie	d in Selection	<u>Options</u>			
• with t	this <u>s</u> ymbol					
	-					
				ОК	Storno	P <u>o</u> užít



• kontextové menu vrstvy - Selection:

Zoom To Selected Features
 Pan To Selected Features
 Clear Selected Features
 Switch Selection
 Select All
 Make This The Only Selectable Layer
 Copy Records For Selected Features
 Annotate Selected Features...
 Create Layer From Selected Features
 Open Table Showing Selected Features

 Create Layer From Selected Features – neuloží prvky do novej vrstvy (fyzicky na disk), len vytvorí výberovú vrstvu v projekte (selection), ktorú môžeme ďalej používať pri priestorových výberoch



Obmedzenie zobrazenia prvkov

- obmedzenie zobrazovania prvkov vrstvy pomocou atribútového výberu:
- **Layer Properties**
- Definition

Query

		en l'estat	Combaland	The late	Definition Quer	 1 1-1-1-01	D - I - I			
aeneral 3	ource Selec	tion Display	Symbology	Fields	Dennition Quei	; Joins & I	Helates	HIMLF	opup	
<u>D</u> efinition	Query:									
"Kod" = '	'102'					 _				
	102									
	Jery Builder									
		•								
						 		1		
						UKI	St	torno I	Pouz	ŹĹ



Tvorba tried popisov

• zapnutie popisov – druhý spôsob: pravým na vrstvu – Label Features

Layer Properties	🔟 🔤 rôzne popisy
General Source Selection Display Symbology Fields Definition Query Labels Joins & Relates HTML Popup	pre rôzne triedv
✓ Label features in this layer	
Method: Define classes of features and label each class differently.	
□	
Add Delete <u>Rename</u> SQL Query <u>G</u> et Symbol Classes	
Text String	
Label Field: NAZKRAJA	
Text Symbol	
Arial 💌 8 💌	
B Z U Symbol	
Other Options Pre-defined Label Style	
Placement Properties Scale Range Label Styles	
	• automatické
	nonisy
OK Storno P <u>o</u> užít	su dynamicke



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