

Religionistika v kontextu sociálních věd

Statistická analýza dat

Další nereaktivní metoda

Sekundární analýza dat

Datové archivy:

SDA (Sociologický ústav Akademie věd):

<http://archiv.soc.cas.cz>

Data for the social science (GESIS - Leibniz Institute for the Social Sciences (dept. Data Archive and Data Analysis, formerly Central Archive for Empirical Social Research [GESIS-ZA]): <http://zacat.gesis.org/webview/index.jsp>

Statistický software

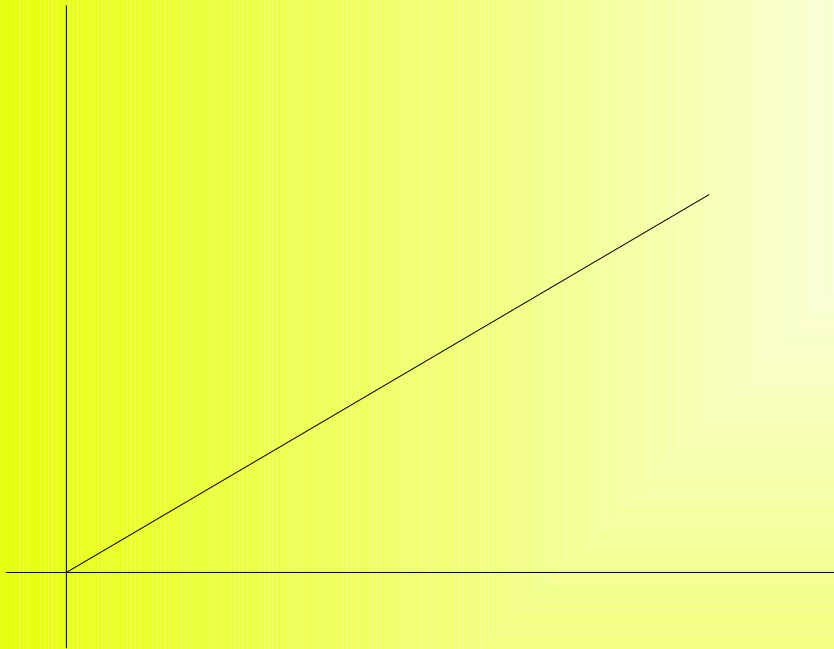
nesvobodný: SPSS

svobodný: PSPP (Free Software Foundation and GNU - FSF & GNU): <http://www.gnu.org/software/nsnn/>

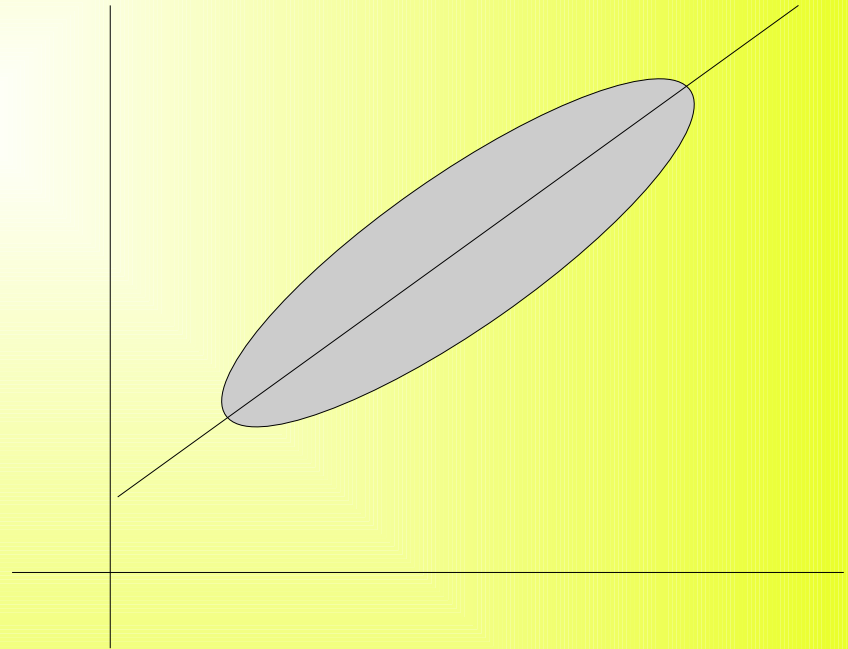
Shrnutí statistických metod

Na uvedených nákresech („grafech“) vysvětlete rozdíl mezi regresním koeficientem a korelačním koeficientem.

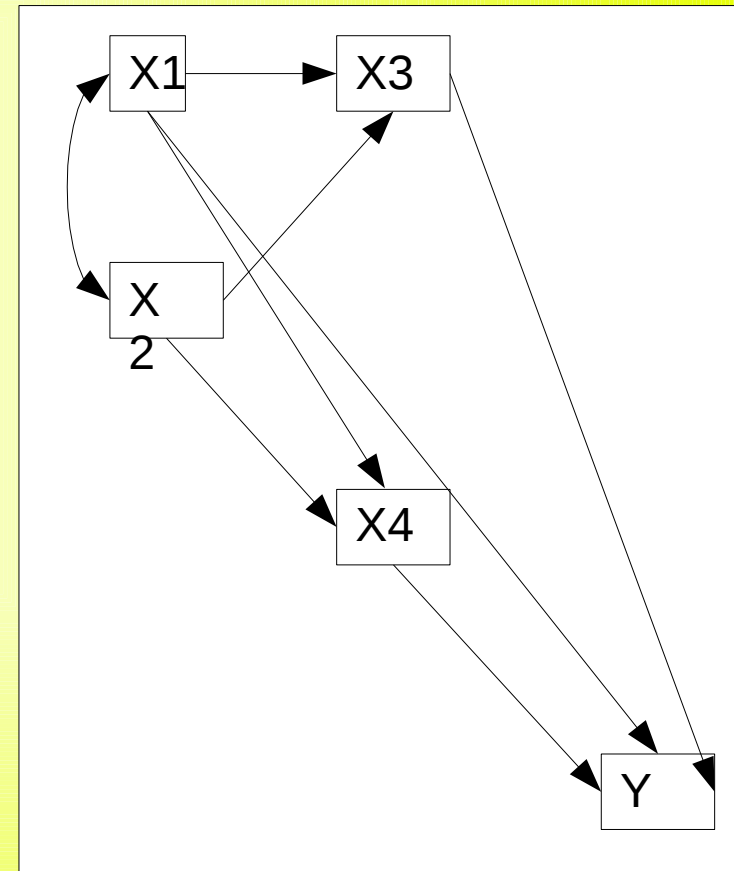
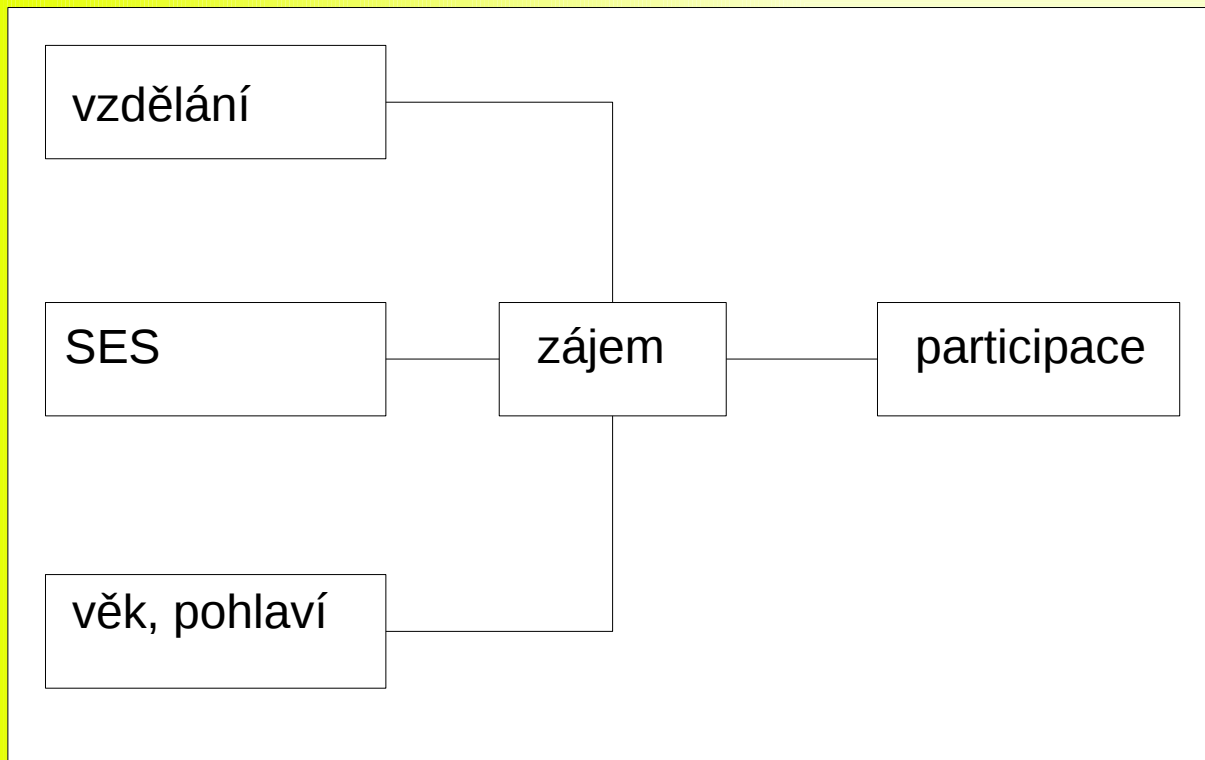
A



B



Na uvedených grafech vyjasněte rozdíly mezi mnohočetnou regresní analýzou a path analýzou.



Na obrázku níže vysvětlete, k čemu je dobrá diskriminační analýza



Co nám říká následující tabulka?

Politická participace v Hořicích a St. Helens

Nezávisle proměnné	BETA Hořice	BETA St. Helens
Vzdělání rodičů	-.147	.230
Střední věk	.011	.192
Vyšší věk	.045	.116
Pohlaví	.082	.076
Vzdělání	.137	.085
Povolání: úředník	-.044	.289
Povolání: manažer, profesion	-.033	.310
Rodinný příjem	.071	.065
Zájem o politiku	.481	.116
Členství v politické straně	.139	.016
R ²	.215	.327

Faktorová analýza: Eileen Barkerové výzkum o spiritualitě/náboženství (RAMP 1998: Religious and Moral Pluralism).

Faktor/komponenta 1: *Tradiční religiozita*

Faktor/komponenta 2: *Neortodoxní autoritarianismus*

Faktor/komponenta 3: *Liberální spiritualita*

Výzkum Eileen Barker - pokračování

Table 12: Principle Components Analysis from British Data (N=1058)

	Components		
	1	2	3
I believe in the power of prayer	0.80		
Jesus is both God and man	0.75		
In deciding between right and wrong, I am influenced by my religion	0.74		
Everyone should receive Christ into their lives	0.70		
Jesus will return to the earth some day	0.70		
A religious service is important for celebrating a birth	0.69		
A religious service is important for celebrating marriage	0.66		-0.25
A religious service is important for celebrating death	0.62		
Jesus was a prophet	0.60		0.22
There are angels	0.59	0.20	
One can see the work of Satan at work in the world today	0.56		
If people have no religious beliefs, it may become more difficult to have good moral behaviour in society	0.51		
Jesus never existed	-0.50	0.23	
Jesus was a religious leader	0.49		
The more science advances, the more difficult it is for me to believe in God If you want people to tell the truth in court, then they should be made to swear	-0.49		
an oath with reference to God	0.47		-0.26
In making laws about moral question, such as abortion and euthanasia, representatives of the main religions should be consulted	0.47		
Religious leaders should give a much clearer direction on moral behaviour	0.43		
I experience something beyond everyday reality all the time*	0.43		0.29
The main religions should have an influence on politics in my country	0.41		

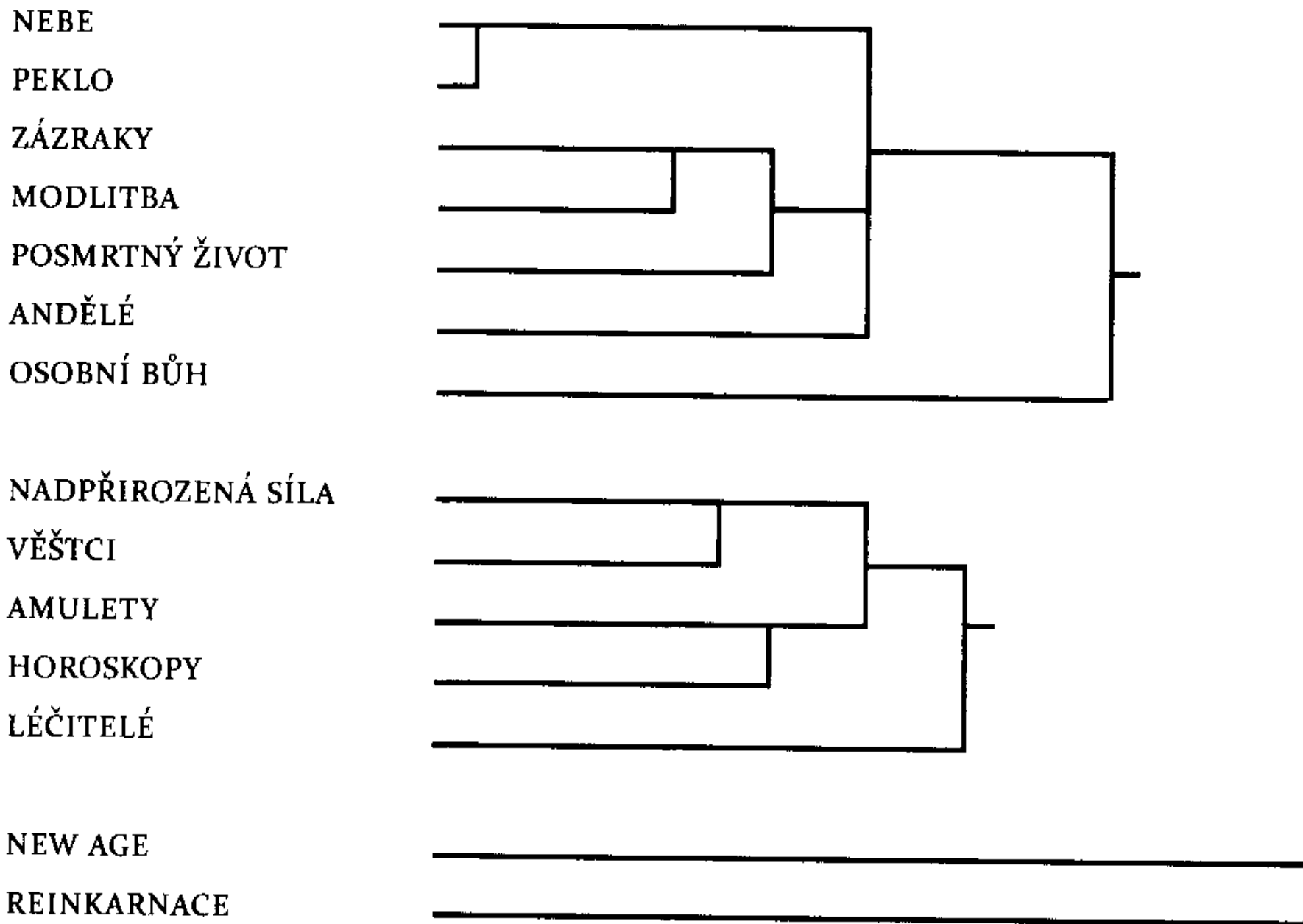
Výzkum Eileen Barker - pokračování

	Components		
	1	2	3
My certainty about religious and spiritual questions is stronger than it was ten years ago	0.40		0.21
No one can know for certain that God exists	-0.40		
The mainstream religions should be more concerned with the Millennium	0.32	0.25	
Whether one is religious or not, one ought to support the national Church of the country one belongs to	0.32	0.27	- 0.34
Nearly all religious people are hypocrites or fanatics	-0.32	0.31	-0.22
A holy object can protect or help people	0.31	0.36	
Most human suffering in this world is because of God punishing us for our sins	0.31	0.24	
There are spiritualists who bring authentic messages from the dead to the living		0.59	0.29
Human beings have made contact with extraterrestrials who have visited earth in UFOs		0.58	0.32
Crystals have a special power to heal or help us		0.58	0.20
Some people can remember a bit of what happened in a past life		0.58	
A talisman or lucky charm can protect or help people		0.44	0.26
I consult my horoscope daily*		0.43	
There is intelligent life on other planets		0.40	0.35
I trust alternative medicine more than I trust Orthodox medicine		0.37	
Most human suffering in this world is because of fate or destiny	0.24	0.36	
Women are more spiritual than men		0.33	
Science can, by itself, give meaning to life		0.30	
People are so afraid of being thought to be racist these days that blacks and Asians are given preferential treatment		0.30	-0.30
The increasing variety of religious groups in our society is a source of cultural enrichment			0.63
People should be allowed to take soft drugs if this is part of their religious	-0.22		0.55

	Components		
	1	2	3
Jehovah's Witnesses should be allowed to practise their religion in the country		-0.21	0.50
tradition			0.50
Even if people belong to a particular religion, they should still feel free to draw on other religious traditions			0.49
People should be allowed to commit suicide for religious reasons			0.35
New Age' ideas are a threat to our society			-0.34
The Church of England should stay as the Established Church in England	0.21		-0.33
For me, God is just what is valuable in human beings	0.29	0.23	
In deciding between right and wrong, I am influenced by the law	0.27		-0.20
Most churches are dead or boring	-0.26	0.25	
In deciding between right and wrong, I am influenced by my upbringing	0.22		
People are responsible for everything that happens to them		0.29	
I am less sure that freedom of religion for every individual is as important as I thought it was ten years ago		0.27	
In the final analysis, I should look after my own interests even if this means I spend less time looking after other people		0.26	-0.21
My conscience is the source of my morality		-0.24	0.21
If a nurse is asked to assist in a legal abortion, she should be allowed to refuse for religious reasons		-0.21	0.26
How you live is more important than saying you believe particular doctrines or attending a place of worship			0.25
More attention should be paid to environmental issues by the main religions			0.23
Parents should be allowed, for religious reasons, to prevent their children having a blood transfusion			0.22
Most modern cults/new religions are harmful			-0.22

Variables are mostly 1-7 scales (some 1-5, indicated with *). The response indicates the response category with the highest coding (e.g. typically 7 = strongly agree). (Component loadings given for unrotated solution, correlation matrix analysed.)

DIN 2006: Detradicionalizace a individualizace náboženství v České republice



Graf 5: Podobnost náboženských výroků (shluková analýza)

Další možnosti: Heirichův výzkum
náboženské konverze (1977)

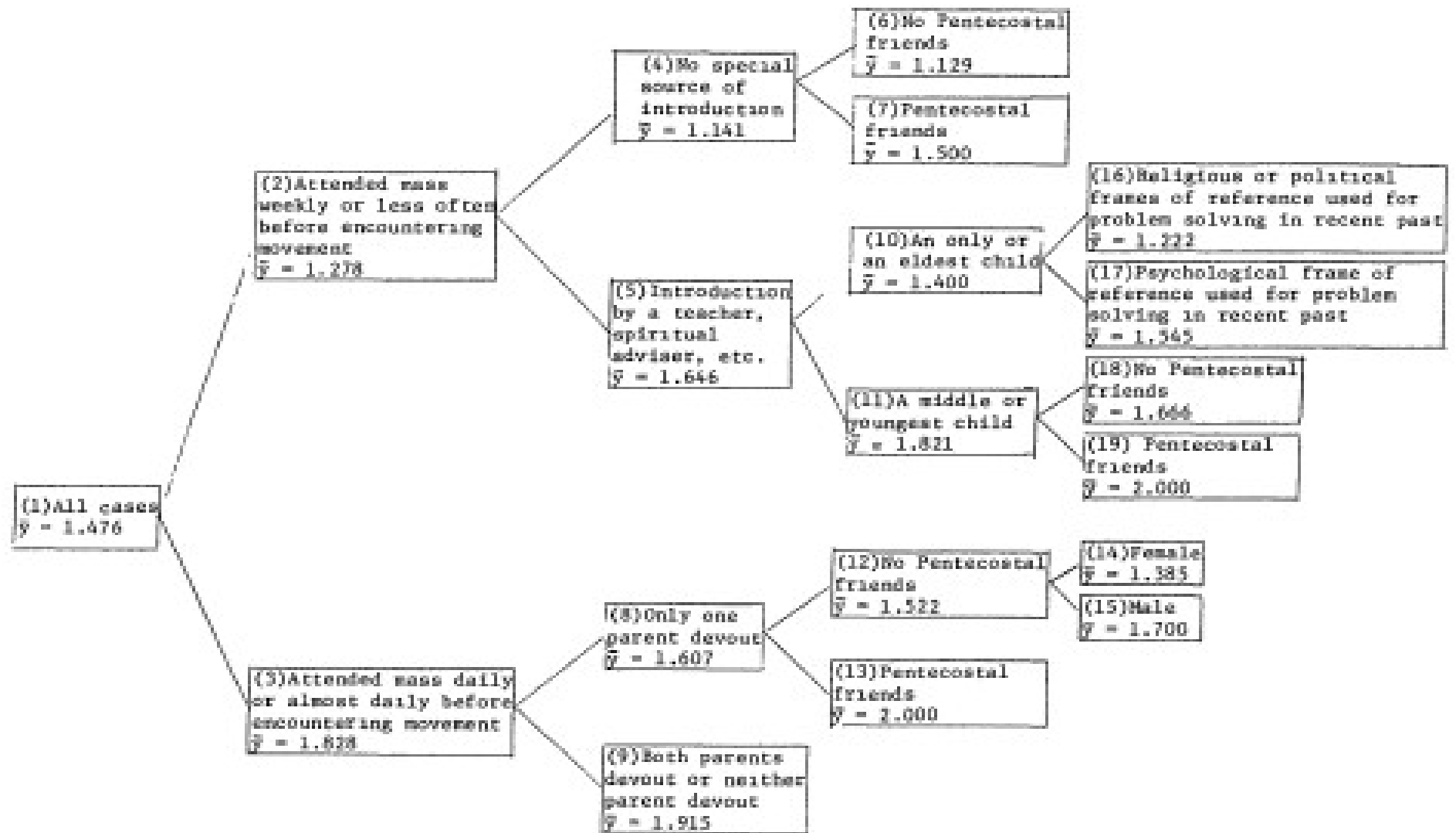
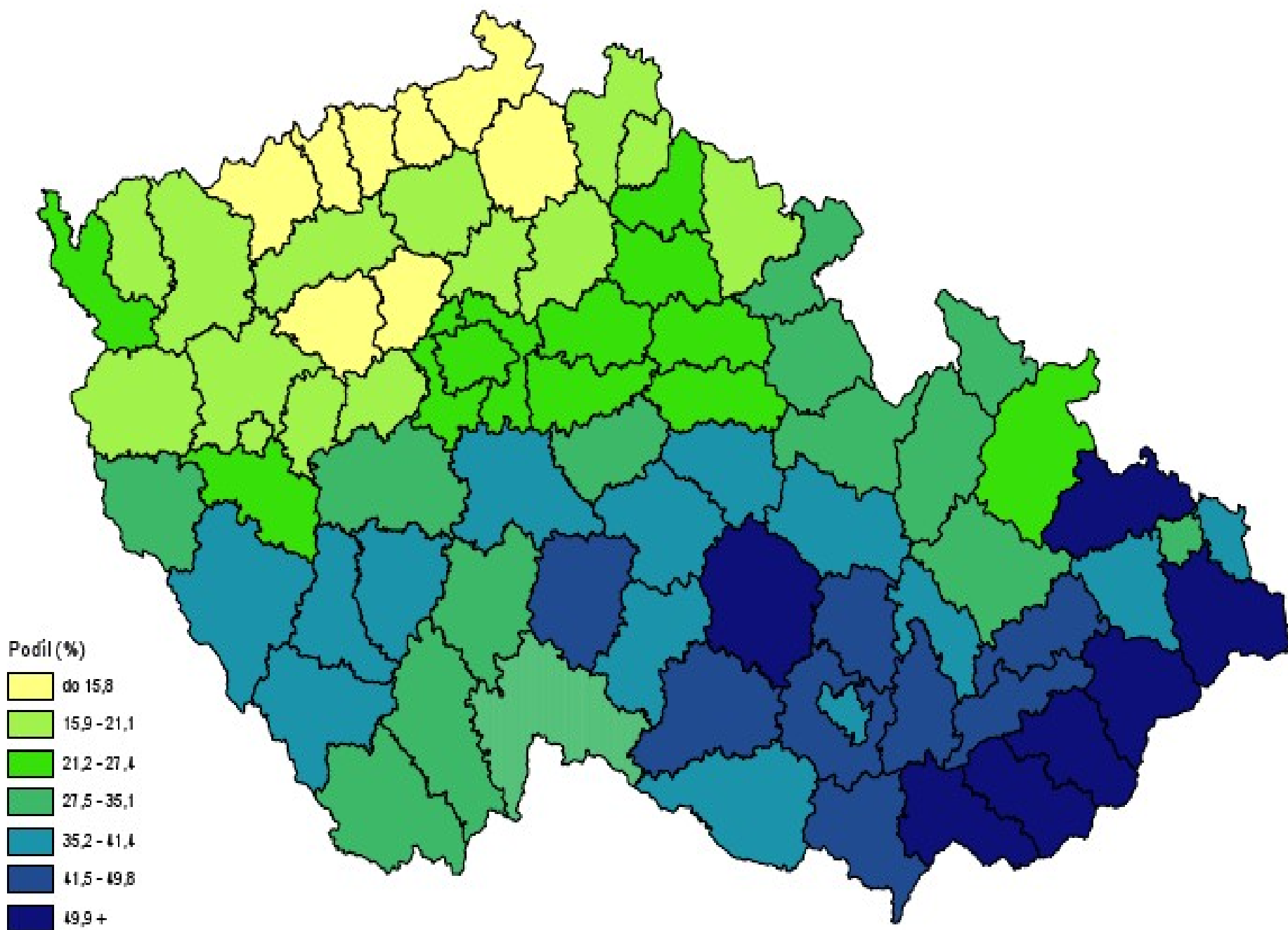


FIG. 1.—AID (Automatic Interaction Detection program) tree showing proportion of respondents who became Pentecostals under differing combinations of circumstance. If no respondents in a group became Pentecostals, $\bar{y} = 1.0$; if all became Pentecostals, $\bar{y} = 2.0$.

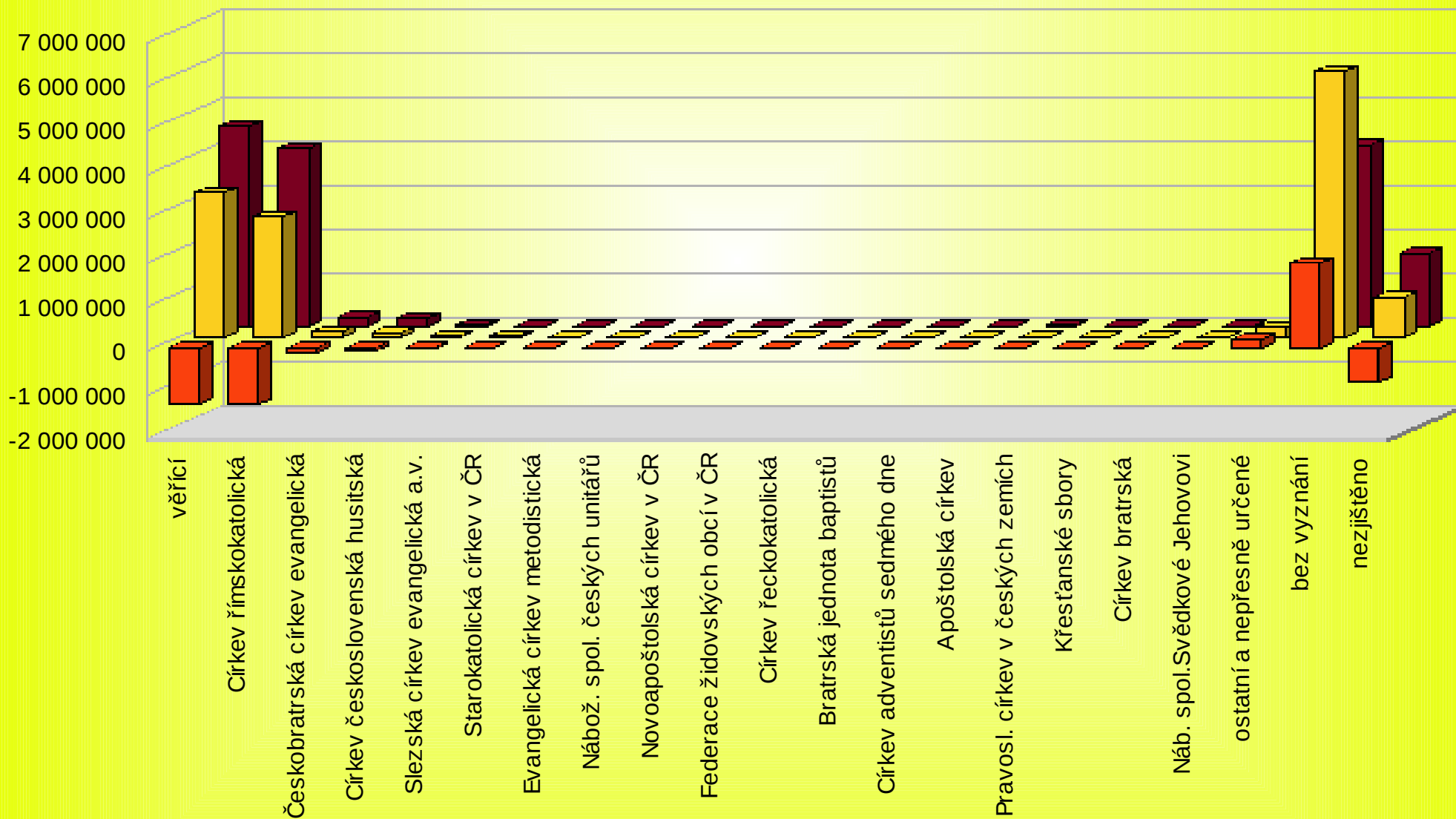
Práce se statistickým softwarem, tabulky a grafy

Podíl obyvatel s náboženským vyznáním - SLDB 2001

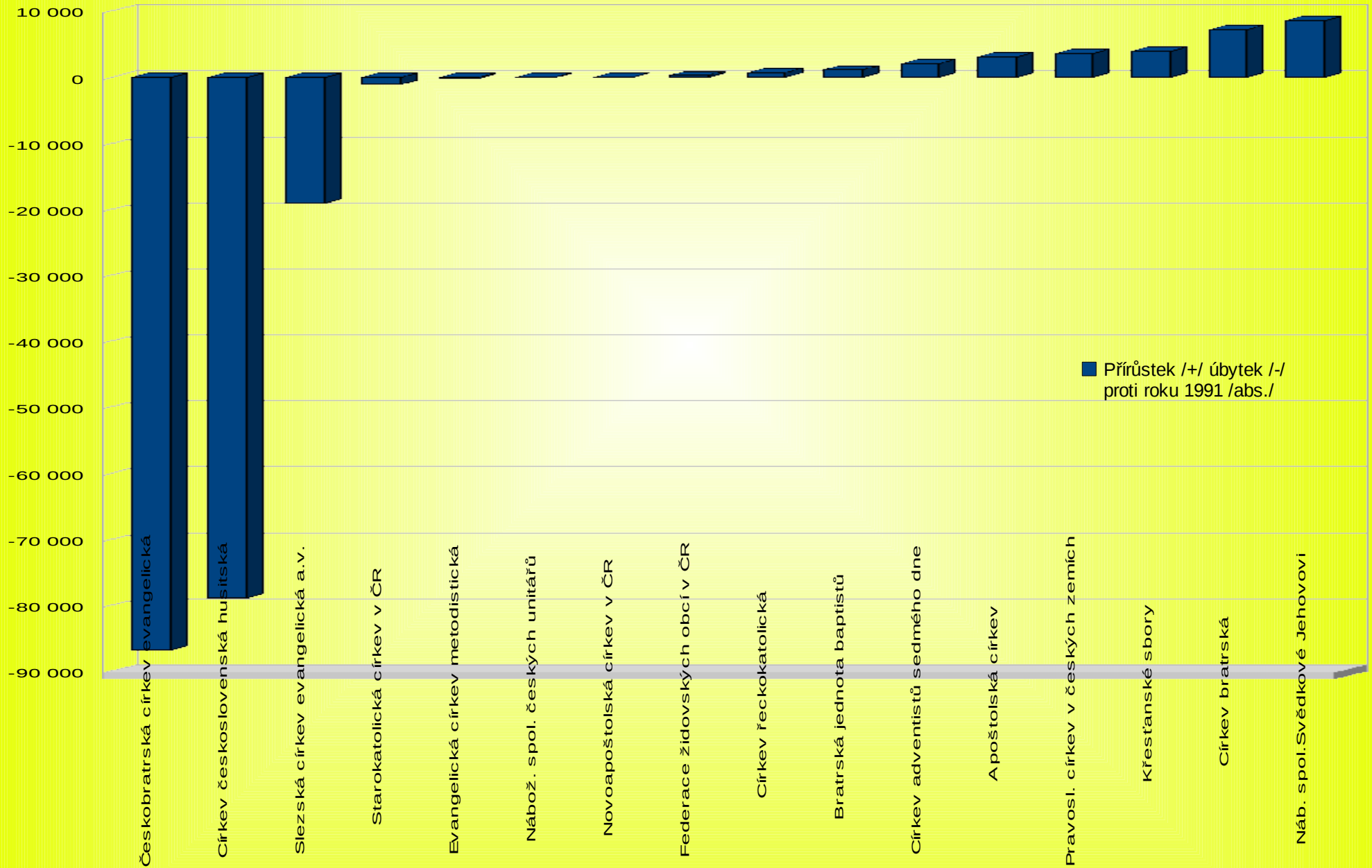


Růst/pokles věřících 1991-2001

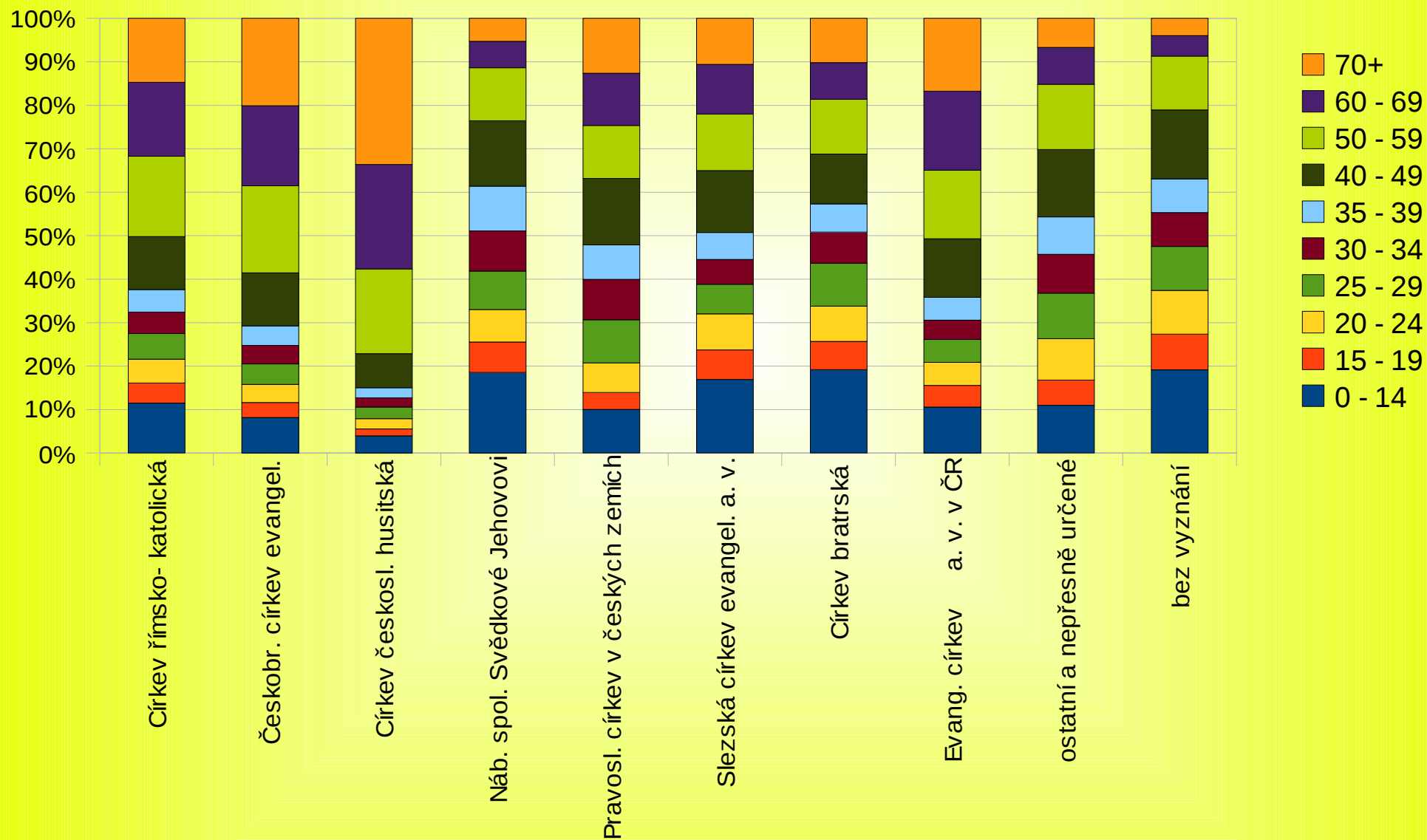
■ Přírůstek +/- úbytek -/ -
■ 2001 absolutně ■ 1991 absolutně
 proti roku 1991 /abs./



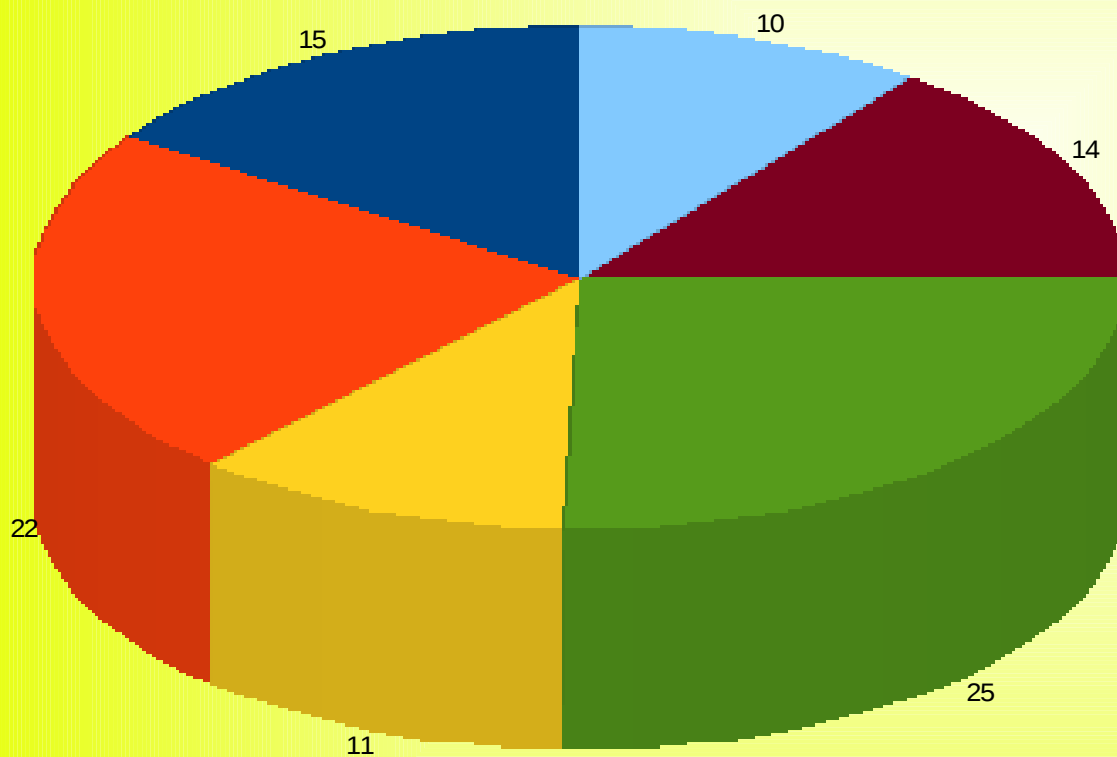
Růst/pokles věřících 1991-2001



Věkové rozložení věřících v církvích

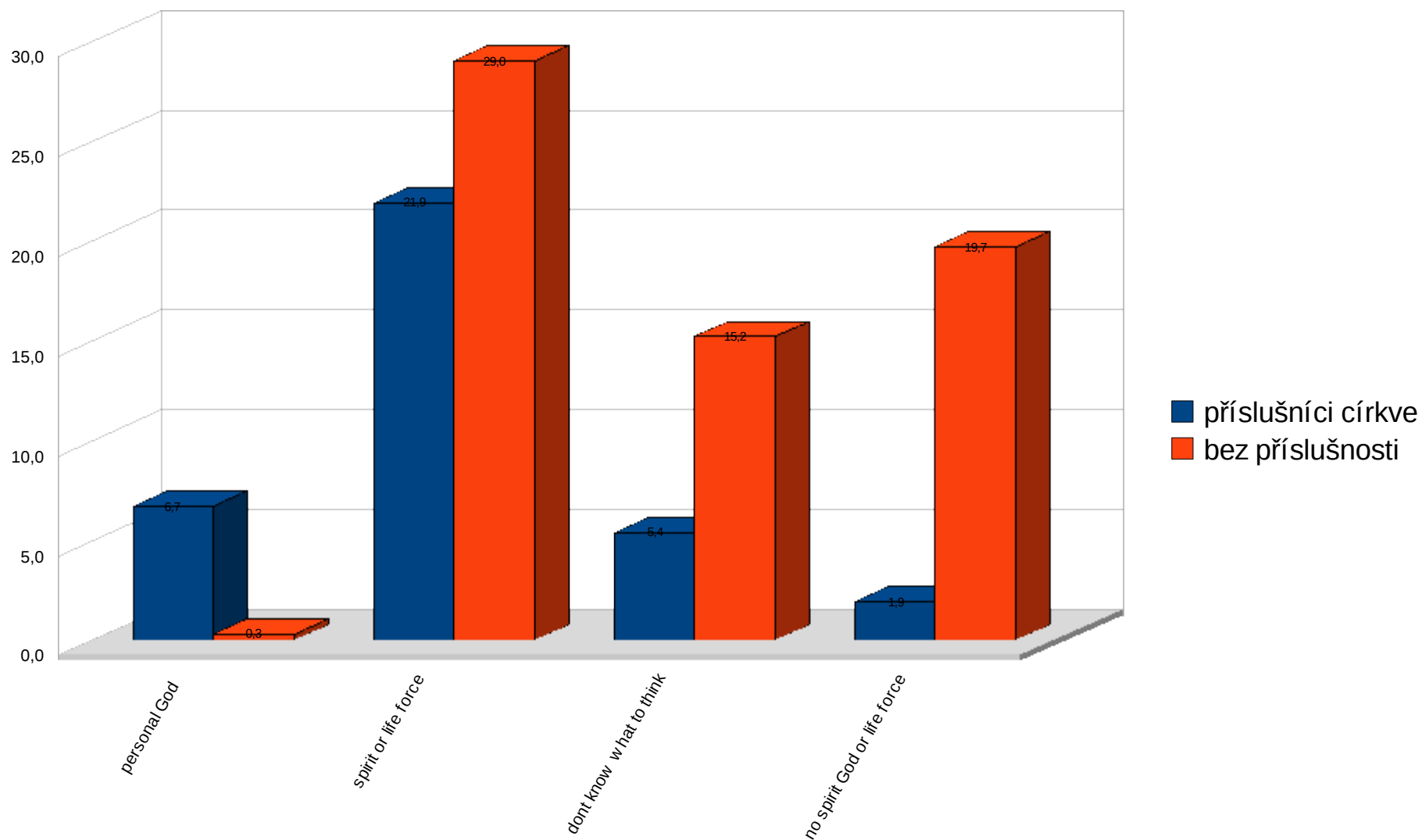


Víra v náboženskou skutečnost



- Neexistuje ani Bůh, ani duch ani žádná nadpřirozená síla
- Nevím, ale rád bych to věděl
- Nevím a je mi to jedno
- Existuje nějaká forma ducha nebo životní síly
- Existuje nějaká nadpřirozená síla
- Existuje Bůh jako osoba

Víra v náboženské skutečnosti: příslušníci církví vs. „bez vyznání“? (EVS 2000)



Věřící celkem a věřící hlásící se k římskokatolickému vyznání

