

	income (USD)
Czech Republik	21103
Austria	32544
Germany	33652
Poland	18906
Slovak Republic	20256

	income (USD)
income (USD)	1
housing expediture (%)	
employment rate (%)	1
life expectancy	
homicide rate	

0.26666667
0.26666667
0.26666667
0.13333333
0.06666667

mAX

	income (USD)
Czech Republik	21103
Austria	32544
Germany	33652
Poland	18906
Slovak Republic	20256
weights	0.26666667
min	18906
max	33652

utility

mAX

	income (USD)
Czech Republik	0.148989556
Austria	0.924860979
Germany	1
Poland	0
Slovak Republic	0.091550251
weights	0.26666667

housing expediture (%)	employment rate (%)	life expectancy
24	72	78.7
21	72	81.3
20	75	80.7
23	65	76.7
24	65	77.6

housing expediture (%)	employment rate (%)	life expectancy
1	0	1
1	1	1
	1	1
		1

MIN	MAX	MAX
housing expediture (%)	employment rate (%)	life expectancy
24	72	78.7
21	72	81.3
20	75	80.7
23	65	76.7
24	65	77.6
0.26666667	0.26666667	0.13333333
20	65	76.7
24	75	81.3

MIN	MAX	MAX
housing expediture (%)	employment rate (%)	life expectancy
0	0.7	0.434782609
0.75	0.7	1
1	1	0.869565217
0.25	0	0
0	0	0.195652174
0.26666667	0.26666667	0.13333333

homicide rate

0.8
0.4
0.4
0.8
1.3

homicide r; total		weights
1	4	0.26666667
1	4	0.26666667
1	4	0.26666667
1	2	0.13333333
1	1	0.06666667
total	15	

MIN

homicide rate

0.8
0.4
0.4
0.8
1.3

0.066667

0.4

1.3

ideal

MIN total utility ranking

homicide rate

0.555556	0.321405	3
1	0.833296	2
1	0.982609	1
0.555556	0.103704	4
0	0.0505	5

0.066667

	income (USD)
Czech Republik	21103
Austria	32544
Germany	33652
Poland	18906
Slovak Republic	20256
sumsqrs	=SUMA.ČTVERCŮ(B2:B6)
norm	=ODMOCNINA(B7)

normalized values

	income (USD)
Czech Republik	=B2/B\$8
Austria	=B3/B\$8
Germany	=B4/B\$8
Poland	=B5/B\$8
Slovak Republic	=B6/B\$8
sumsqrs	=SUMA.ČTVERCŮ(B13:B17)
norm	=ODMOCNINA(B18)
weights	0.266666666666667

weighted values

	income (USD)
Czech Republik	=B13*B\$20
Austria	=B14*B\$20
Germany	=B15*B\$20
Poland	=B16*B\$20
Slovak Republic	=B17*B\$20
best	=MAX(B25:B29)
worst	=MIN(B25:B29)

distance to the best

Czech Republik	=SUMXMY2(B25:F25,B\$30:F\$30)
Austria	=SUMXMY2(B26:F26,B\$30:F\$30)
Germany	=SUMXMY2(B27:F27,B\$30:F\$30)
Poland	=SUMXMY2(B28:F28,B\$30:F\$30)
Slovak Republic	=SUMXMY2(B29:F29,B\$30:F\$30)

housing expediture (%)	employment rate (%)	life expectancy
24	72	78.7
21	72	81.3
20	75	80.7
23	65	76.7
24	65	77.6
=SUMA.ČTVERCŮ(C2:C6)	=SUMA.ČTVERCŮ(D2:D6)	=SUMA.ČTVERCŮ(E2:E6)
=ODMOCNINA(C7)	=ODMOCNINA(D7)	=ODMOCNINA(E7)

housing expediture (%)	employment rate (%)	life expectancy
=C2/C\$8	=D2/D\$8	=E2/E\$8
=C3/C\$8	=D3/D\$8	=E3/E\$8
=C4/C\$8	=D4/D\$8	=E4/E\$8
=C5/C\$8	=D5/D\$8	=E5/E\$8
=C6/C\$8	=D6/D\$8	=E6/E\$8
=SUMA.ČTVERCŮ(C13:C17)	=SUMA.ČTVERCŮ(D13:D17)	=SUMA.ČTVERCŮ(E13:E17)
=ODMOCNINA(C18)	=ODMOCNINA(D18)	=ODMOCNINA(E18)
0.266666666666667	0.266666666666667	0.133333333333333

housing expediture (%)	employment rate (%)	life expectancy
=C13*C\$20	=D13*D\$20	=E13*E\$20
=C14*C\$20	=D14*D\$20	=E14*E\$20
=C15*C\$20	=D15*D\$20	=E15*E\$20
=C16*C\$20	=D16*D\$20	=E16*E\$20
=C17*C\$20	=D17*D\$20	=E17*E\$20
=MIN(C25:C29)	=MAX(D25:D29)	=MAX(E25:E29)
=MAX(C25:C29)	=MIN(D25:D29)	=MIN(E25:E29)
d+		distance to the worst
=ODMOCNINA(B33)		=SUMXMY2(B25:F25,B\$31:F\$31)
=ODMOCNINA(B34)		=SUMXMY2(B26:F26,B\$31:F\$31)
=ODMOCNINA(B35)		=SUMXMY2(B27:F27,B\$31:F\$31)
=ODMOCNINA(B36)		=SUMXMY2(B28:F28,B\$31:F\$31)
=ODMOCNINA(B37)		=SUMXMY2(B29:F29,B\$31:F\$31)

homicide rate

0.8
0.4
0.4
0.8
1.3

=SUMA.ČTVERCŮ(F2:F7)
=ODMOCNINA(F7)

homicide rate

=F2/F\$8
=F3/F\$8
=F4/F\$8
=F5/F\$8
=F6/F\$8

=SUMA.ČTVERCŮ(F13:F18)
=ODMOCNINA(F18)
0.0666666666666667

homicide rate

=F13*F\$20
=F14*F\$20
=F15*F\$20
=F16*F\$20
=F17*F\$20

=MIN(F25:F29)
=MAX(F25:F29)

d-	index ci	
=ODMOCNINA(E33)	=F33/(C33+F33)	3
=ODMOCNINA(E34)	=F34/(C34+F34)	2
=ODMOCNINA(E35)	=F35/(C35+F35)	1
=ODMOCNINA(E36)	=F36/(C36+F36)	4
=ODMOCNINA(E37)	=F37/(C37+F37)	5