Structural files with PxEdit and PxJob

Veli-Matti Jantunen Statistics Finland Technology Services Interface technologies

Structural table



Basic layout

table heading	1	must be						
variable names	column value texts	empty						
variable names	empty							
row value texts	data table							
	at least two empty rows							
key	word block							
a	t least two empty rows							
ć	area for footnotes etc.							

• Empty areas make it possible to deduct the table layout



28 October, 2022

V-MJ/StatFin/TS/It

Monolingual tables



Row variables only

	Α	В	C	D	E	
1	Nordic popul	ation 201	6-2018			
2	Country	Sex	Age group	Year	data	
3	Denmark	Men	0-49 years	2016	1796142	
4	Denmark	Men	0-49 years	2017	1797549	
5	Denmark	Men	0-49 years	2018	1796712	
6	Denmark	Men	50- years	2016	1041745	
7	Denmark	Men	50-years	2017	1062629	
8	Denmark	Men	50- years	2018	1079761	
9	Denmark	Women	0-49 years	2016	1734580	
10	Denmark	Women	0-49 years	2017	1734489	
11	Denmark	Women	0-49 years	2018	1734196	
12	Denmark	Women	50- years	2016	1134784	
13	Denmark	Women	50- years	2017	1154102	
14	Denmark	Women	50- years	2018	1170521	
15	Finland	Men	0-49 years	2016	1662827	
16	Finland	Men	0-49 years	2017	1661692	
17	Finland	Men	0-49 years	2018	1657123	
18	Finland	Men	50- years	2016	1038663	
19	Finland	Men	50- years	2017	1050635	
20	Finland	Men	50- years	2018	1062008	
21	Finland	Women	0-49 years	2016	1587107	
22	Finland	Women	0-49 years	2017	1581760	
23	Finland	Women	0-49 years	2018	1574903	
24	Finland	Women	50- years	2016)
25	Finland	Women	50- years	2017	1529498	
26	Finland	Women	50-vears	2018	1219096	

)enmark	Men	0-49 years	2016	1796142	I
			2017	1797549	
			2018	1796712	
		50- years	2016	1041745	
			2017	1062629	
			2018	1079761	
	Women	0-49 years	2016	1734580	
			2017	1734489	
			2018	1734196	
		50- years	2016	1134784	1
			2017	1154102	1
			2018	1170521	1
inland	Men	0-49 years	2016	1662827	
			2017	1661692	
			2018	1657123	
		50- years	2016	1038663	1
			2017	1050635	1
			2018	1062008	1
	Women	0-49 years	2016	1587107	1
			2017	1581760	
			2018	1574903	┝
		50- years	2016		
			2017		۲

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Random order and missing values

	А	В	С	D	E	
1	Nordic pop	oulation 2	016-2018			
2	Country	Sex	Age group	Year		
3	Norway	Women	50- years	2016	932942	
4	Finland	Men	0-49 years	2016	1662827	
5	Denmark	Men	0-49 years	2016	1796142	
6	Denmark	Men	50- years	2010	1041745	
7	Finland	Women	50- years	2016	n/a	
8	Finland	Women	0-49 years	2016	1587107	
9	Finland	Men	50- years	2016	1038663	
10	Iceland	Men	50- years	2016	52112	
11	Denmark	Women	0-49 years	2016	1734580	
12	Norway	Men	0-49 years	2016	1750142	
13	Iceland	Women	0-49 years	2016	110587	
14	Sweden	Women	50- years	2016	1936583	
15	Denmark	Women	50- years	2016	1134784	
16	Iceland	Women	50- years	2016	54672	
17	Sweden	Women	0-49 years	2016	2983468	
18	Iceland	Men	0-49 years	2016	115158	
19	Norway	Women	0-49 years	2016	1655932	
20	Sweden	Women	50- years	2017	1962096	
21	Iceland	Men	0-49 years	2017	117546	
22	Denmark	Men	0-49 years	2017	1797549	
23	Denmark	Women	50- years	2017	1154102	
24	Iceland	Women	50- years	2017	55853	
25	Norway	Men	0-49 years	2017	1755291	
26	Denmark	Men	50- years	2017	1062629	
27	Donmark	Womon	0.49.00005	2017	172//00	

Norway	Women	50- years	2016	932942
			2017	948753
			2018	964761
		0-49 years	2016	1655932
			2017	1660434
			2018	1662487
	Men	50- years	2016	
			2017	
			2018	
		0-49 years	2016	1750142
			2017	1755291
			2018	1/55803
Finland	Women	50- years	2016	
			2017	1529408
			2018	1219096
		0-49 years	2016	1587107
			2017	1581760
			2018	1574903
	Men	50- years	2016	1038663
			2017	1050635
			2018	1062008
		0-49 years	2016	1662827
			2017	1661692

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Value texts need not be repeated

	А	P	С	D	E	
1	Nordic population 2016-2018	en				
2	Country	Зех	Age group	Year		
3	Denmark	Men	0-49 years	2016	1796142	
4				2017	1797549	
5				2018	1796712	
6			50- years	2016	1041745	
7				2017	1062629	
8				2018	1079761	
9		Women	0-49 years	2016	1734580	
10				2017	1734489	
11				2018	1734196	
12			50- years	2016	1134784	
13				2017	1154102	
14				2018	1170521	
15	Finland	Men	0-49 years	2016	1662827	
16				2017	1661692	
17				2018	1657123	
18			50- years	2016	1038663	
19				2017	1050635	
20				2018	1062008	
21		Women	0-49 years	2016	1587107	
22				2017	1581760	
23				2018	1574903	
24			50- years	2016		
25				2017	1529408	
26				2018	1219096	
27	Iceland	Men	0-49 years	2016	115150	

					^
Denmark	Men	0-49 years	2016	1796142	
			2017	1797549	
			2018	1796712	
		50- years	2016	1041745	
			2017	1062629	
			2018	1079761	
	Women	0-49 years	2016	1734580	
			2017	1734489	
			2018	1734196	
		50- years	2016	1134784	
			2017	1154102	
			2018	1170521	
Finland	Men	0-49 years	2016	1662827	
			2017	1661692	
			2018	1657123	
		50- years	2016	1038663	
			2017	1050635	
			2018	1062008	
	Women	0-49 years	2016	1587107	
			2017	1581760	
			2018	1574903	
		50- years	2016		
			2017	1529408	~

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Row and column variables

	А	В	С	D		E	F	G	н	
1	Nordic population	er Populati	on as of 1	1						
2	Sex	January					Women			
3	Year			p	17	2018	2016	2017	2018	
4	Country	A								
5	Denmark	0-49 years	1796142	17975	49	1796712	1734580	1734489	1734196	
6		50- years	1041745	10626	29	1079761	1134784	1154102	1170521	
7	Finland	0-49 years	1662827	16616	92	1657123	1587107	1581760	1574903	
8		50- years	1038663 10506		35	1062008		1529408	1219096	
9	Iceland	0-49 years	115158	1175	46	122579	110587	111463	113784	
10		50- years	52112	534	87	55021	54672	55853	57066	
11	Norway	0-49 years	1750142	17552	91	1755803	1655932	1660434	1662487	
12		50- years	874969	8938	39	912568	932942	948753	964761	
13	Sweden	0-49 years	3137016	31880	62	3227842	2983468	3019710	3051633	
14		50- years	1793950	18252	85	1854820	1936583	1962096	1985947	
15										

•		Men			Women				1
		2016	2017	2018	2016	2	2017	2018	
Denmark	0-49	Comments	iguage			×	1734489	1734196	
	50- y						1154102	1170521	
Finland	0-49		20 DTE: 20				1581760	1574903	
	50- y 🦳			on as of 1 J	lanuary	173	1529408	1219096	
Iceland	0-49 50-	years 1	041745 10	062629 10	079761	113	111463	113784	
	50- y 0-4	9 years 1	66 <mark>2827 1(</mark>	661692 10	657123	158	55853	57066	
Norway	0-49 50-	years 1	038663 <u>O</u> K	050635 10			1660434	1662487	
	50- years	874969	893839	912568	93294	2	948753	964761	
Sweden	0-49 years	3137016	3188062	3227842	298346	8	3019710	3051633	
	50- years	1793950	1825285	1854820	193658	3	1962096	1985947	
									Ί.



Value codes

	А	В	С	D	E	F	G	Н	I.	
1	Nordic population	en								
2	Sex			M			w			
3	Sex			Men			Women			
4	Year			2016	2017	2018	2016	2017	2018	
5	Country	Country	Age group							
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196	
7	_		50- years	1041745	1062629	1079761	1134784	1154102	1170521	
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903	
9			50- years	1038663	1050635	1062008		1529408	1219096	
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784	
11			50- years	52112	53487	55021	54672	55853	57066	
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487	
13			50- years	874969	893839	912568	932942	948753	964761	
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633	
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947	
16										

		.anguage M			W				
		2016	2017	2018	2016	2017	2018		
ОК	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196		
	50- years	1041745	1062629	1079761	1134784	1154102	1170521		
FI	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903		
	50- years	1038663	1050635	1062008		1529408	1219096		
S	0-49 years	115158	117546	122579	110587	111463	113784		
	50- years	52112	53487	55021	54672	55853	57066		
10	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487		
	50- years	874969	893839	912568	932942	948753	964761		
SE	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633		
	50- years	1793950	1825285	1854820	1936583	1962096	1985947		
									١,
< 🗌								>	Ī

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Poor metadata

	А	В	С	D	E	F	G	Н	I.	
1	Nordic population	en								
2	Sex			M			w			
3	Sex			Men			Women			
4	Year			2016	2017	2018	2016	2017	2018	
5	Country	Country	Age group							
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196	
7			50- years	1041745	1062629	1079761	1134784	1154102	1170521	
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903	
9			50- years	1038663	1050635	1062008		1529408	1219096	
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784	
11			50- years	52112	53487	55021	54672	55853	57066	
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487	
13			50- years	874969	893839	912568	932942	948753	964761	
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633	
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947	
16										

[1] Nor	dic populatio	on by Cou	intry, Age	e group, Se	x and Ye	ar		—	×
Variable:	C	ountry							en
Keywords	Meta part	View	Select	Sort	Edit	Add	Anonyn	nise	
CHARSE	T="ANSI";								 _
AXIS-VEF	RSION="201	0";							
LANGUA	GE="en";								
DECIMAL	_S=0;								
TITLE="N	ordic popula	ation by (Country,	Age grou	p, Sex	and Yea	ar";		
CONTEN	TS="Nordic	populatio	on";						
STUB="C	ountry","Ag	e group"	;						
HEADING	G="Sex","Ye	ar";							
VALUES	("Country")=	"Denma	rk","Finla	and","Icela	and","N	orway","	'Sweden"	;	
VALUES	("Age group'	')="0-49	years","	50- years'	;				
VALUES	("Sex")="Me	n","Won	nen";						
VALUES	("Year")="20	16","201	17","2018	3";					
CODES("	'Country")="	DK","FI"	,"IS","NC	D","SE";					
CODES("	'Sex")="M",'	'W";							
NOTE="F	opulation as	s of 1 Ja	nuary";						
DATA=	.;								
<									>
1 N 1									

Statistics Finlanc

Keyword block





Table-specific keywords are simple

	А	В	С	D	E	F	G	н	1
1	Nordic population	en							
2	Sex			М			W		
3	Sex			Men			Women		
4	Year			2016	2017	2018	2016	2017	2018
5	Country	Country	Age group						
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196
7			50- years	1041745	1062629	1079761	1134784	1154102	1170521
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903
9			50- years	1038663	1050635	1062008		1529408	1219096
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784
11			50- years	52112	53487	55021	54672	55853	57066
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487
13			50- years	874969	893839	912568	932942	948753	964761
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947
16									
17									
18	MATRIX	CITI01							
19	SUBJECT-CODE	VRM							
20	SUBJECT-AREA	Population							
21	COPYRIGHT	YES							
22	CONTACT	nordicstatistics@statisticon.org							
23	SOURCE	National statistical institutes.							
24	NOTE	Population as of 1 January							
25									

🗊 [1] Nor	dic populatio	on by Cou	untry, Age	group, S	ex and Y	ear		—		×
Variable:	C	ountry								en
Keywords	Meta part	View	Select	Sort	Edit	Add	Anonyn	nise		
CHARSE	T="ANSI";									^
AXIS-VEF	SION="201	0";								
LANGUA	GE="en";									
DECIMAL	S=0;									
MATRIX=	'CITI01";									
SUBJECT	-CODE="V	RM";								
SUBJECT	-AREA="P	opulation	ı";							
COPYRIC	HT=YES;									
TITLE="N	ordic popula	ation by	Country,	Age grou	ıp, Sex	and Yea	ar";			
CONTEN	rs="Nordic	populati	on";							
STUB="C	ountry","Ag	e group"								
HEADING	="Sex","Ye	ear";								
VALUES("Country")=	"Denma	rk","Finla	nd","Icel	and","N	orway",	"Sweden"	;		
VALUES("Age group	")="0-49	years","	50- years	";					
VALUES("Sex")="Me	en","Wor	nen";							
VALUES("Year")="20	16","201	17","2018)";						
CODES("	Country")="	DK" "FI"	"IS" "NC)" "SF":						>
PX Unico	de	~	Colo	ur codes		Prin	t		Save	
						_		-	Close	

Statistics Finland

The block may also be pivoted

	А	В	С	D	E	F	G	Н	I.
1	Nordic population	en							
2	Sex			М			w		
3	Sex			Men			Wome	n	
4	Year			2016	2017	2018	2016	2017	2018
5	Country	Country	Age group						
6	DK	Denmark	0-49 years	1796142	1797549	1796712	2E+06	1734489	1734196
7			50- years	1041745	1062629	1079761	1E+06	1154102	1170521
8	FI	Finland	0-49 years	1662827	1661692	1657123	2E+06	1581760	1574903
9			50- years	1038663	1050635	1062008		1529408	1219096
10	IS	Iceland	0-49 years	115158	117546	122579	1E+05	111463	113784
11			50- years	52112	53487	55021	54672	55853	57066
12	NO	Norway	0-49 years	1750142	1755291	1755803	2E+06	1660434	1662487
13			50- years	874969	893839	912568	9E+05	948753	964761
14	SE	Sweden	0-49 years	3137016	3188062	3227842	3E+06	3019710	3051633
15			50- years	1793950	1825285	1854820	2E+06	1962096	1985947
16									
17									
18	MATRIX	SUBJECT-CODE	SUBJECT-AREA	COPYRIGHT	CONTACT	SOURCE	NOTE		
19	CITI01	VRM	Population	YES	nordicstatis	National s	Popula	tion as of	1 January
20									
21									

🗊 [1] Nor	dic populati	on by Cou	untry, Age	group, S	ex and Y	ear		_		×
Variable:	С	ountry								en
Keywords	Meta part	View	Select	Sort	Edit	Add	Anonyr	nise		
CHARSE	T="ANSI";									^
AXIS-VEF	RSION="20	10";								
LANGUA	GE="en";									
DECIMAL	.S=0;									
MATRIX=	"CITI01";									
SUBJECT	r-code="V	'RM";								
SUBJECT	-AREA="P	opulatior	ľ;							
COPYRIC	GHT=YES;									
TITLE="N	ordic popula	ation by	Country,	Age gro	up, Sex	and Yea	ar";			
CONTEN	TS="Nordic	populati	on";							
STUB="C	ountry","Ag	je group"								
HEADING	="Sex","Ye	ear";								
VALUES	("Country")=	="Denma	rk","Finla	nd","Ice	land","N	orway",	"Sweden'	;		
VALUES	"Age group	")="0-49	years","	50- years	s";					
VALUES	("Sex")="Me	en","Wor	nen";							
VALUES	("Year")="2(016","20 ⁻	17","2018)";						
	Country")='	'NK" "FI"	"IS" "NC)" "SF" [.]						~
<	da								•	-
PX Unico	de	~	Colo	ur codes		Prin	it		Save	
								_	Close	

Statistics Finland

Variable-specific keywords

	А	В	С	D	E	F	G	н	I.	
1	Nordic population	en								
2	Sex			M			W			
3	Sex			Men			Women			
4	Year			2016	2017	2018	2016	2017	2018	
5	Country	Country	Age group							
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196	
7			50- years	1041745	1062629	1079761	1134784	1154102	1170521	
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903	
9			50- years	1038663	1050635	1062008		1529408	1219096	
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784	
11			50- years	52112	53487	55021	54672	55853	57066	
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487	
13			50- years	874969	893839	912568	932942	948753	964761	
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633	
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947	
16										
17										
18	variablename		Age group	Year						
19	MATRIX	CITI01								
20	SUBJECT-CODE	VRM								
21	SUBJECT-AREA	Population								
22	COPYRIGHT	YES								
23	CONTACT	nordicstatistics@statisticon.org								
24	SOURCE	National statistical institutes.								
25	NOTE	Population as of 1 January								
26	TIMEVAL			Α						
27	NOTE		Halfway group	ped						
		1	1.							

Variable:	Co	ountry							en
Keywords	Meta part	View	Select	Sort	Edit	Add	Anonymi	se	
CHARSE	T="ANSI";								^
AXIS-VER	SION="201	0";							
LANGUA	GE="en";								
DECIMAL	S=0;								
MATRIX='	'CITI01";								
SUBJECT	-CODE="V	RM";							
SUBJECT	-AREA="Po	pulation	ı";						
COPYRIC	HT=YES;								
TITLE="N	ordic popula	tion by	Country,	Age gro	up, Sex	and Yea	ar";		
CONTENT	rs="Nordic	populati	on";						
STUB="C	ountry","Ag	e group"	;						
HEADING	="Sex","Ye	ar";							
VALUES("Country")=	"Denma	rk","Finla	ind","Ice	eland","N	lorway",'	'Sweden";		
VALUES("Age group")="0-49	years","	50- year	s";				
VALUES("Sex")="Me	n","Wor	nen";						
VALUES("Year")="20	16","20 [,]	17","2018	";					
TIMEVAL	("Year")=TLI	ST(A1),	"2016","2	2017","2	018";				~
<									>
PX Unico	de	~	Colou	ir codes		Print		Save.	•
								Clos	P

Statistics Finland

Value-specific keywords

	А	В	С	D	E	F	G	Н	I.
1	Nordic population	en							
2	Sex			М			W		
3	Sex			Men			Women		
4	Year			2016	2017	2018	2016	2017	2018
5	Country	Country	Age group						
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196
7			50- years	1041745	1062629	1079761	1134784	1154102	1170521
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903
9			50- years	1038663	1050635	1062008		1529408	1219096
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784
11			50- years	52112	53487	55021	54672	55853	57066
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487
13			50- years	874969	893839	912568	932942	948753	964761
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947
16									
17									
18	variablename		Age group	Year	Country	Country			
19	valuetext				Denmark	Finland			
20	MATRIX	CITI01							
21	SUBJECT-CODE	VRM							
22	SUBJECT-AREA	Populatio	n						
23	COPYRIGHT	YES							
24	CONTACT	nordicstat	tistics@statisticon.						
25	SOURCE	National	statistical institutes						
26	NOTE	Populatio	n as of 1 January						
27	TIMEVAL			Α					
28	NOTE		Halfway grouped						
29	VALUENOTE				excluding Greenland	excluding Åland			
20					_				

Keywords Meta part View Select Sort Edit Add Anonymise STUB="Country", "Age group"; HEADING="Sex", "Year"; VALUES("Country")="Denmark", "Finland", "Iceland", "Norway", "Sweden"; VALUES("Country")="Denmark", "Finland", "Iceland", "Norway", "Sweden"; VALUES("Age group")="0-49 years", "50- years"; VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")="TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; PX Unicode Image: Colour codes Print. Save	🗊 [1] Nor	dic populati	on by Cou	untry, Age	e group, S	ex and Y	ear	- 0	×
STUB="Country", "Age group"; HEADING="Sex", "Year"; VALUES("Country")="Denmark", "Finland", "Iceland", "Norway", "Sweden"; VALUES("Age group")="0-49 years", 50- years"; VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; PX Unicode Print.	Variable:	С	ountry						en
HEADING="Sex", "Year"; VALUES("Country")="Denmark", "Finland", "Iceland", "Norway", "Sweden"; VALUES("Age group")="0-49 years", "50- years"; VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode ∨ ☑ Colour codes Print Save	Keywords	Meta part	View	Select	Sort	Edit	Add	Anonymise	9
HEADING="Sex", "Year"; VALUES("Country")="Denmark", "Finland", "Iceland", "Norway", "Sweden"; VALUES("Age group")="0-49 years", "50- years"; VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode ∨ ☑ Colour codes Print Save	STUB="C	ountry","Ag	le group"	;					^
VALUES("Age group")="0-49 years", "50- years"; VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CODES("Year")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <									
VALUES("Sex")="Men", "Women"; VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CODES("Year")="2016", "2017", "2018"; CODES("Year")="2016", "2017", "2018"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	VALUES("Country")=	"Denma	rk","Finla	and","Ice	land","N	orway","	Sweden";	
VALUES("Year")="2016", "2017", "2018"; TIMEVAL("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Year")="2016", "2017", "2018"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode ✓ ☑ Colour codes Print Save	VALUES("Age group	")="0-49	years","	50- year	s";			
TIMEVAL ("Year")=TLIST(A1), "2016", "2017", "2018"; CODES("Country")="DK", "FI", "IS", "NO", "SE"; CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode V Colour codes Print Save	VALUES("Sex")="Me	en","Wor	nen";					
CODES("Country")="DK","FI","IS","NO","SE"; CODES("Sex")="M","W"; CODES("Year")="2016","2017","2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	VALUES("Year")="2()16","20 [.]	17","2018	3";				
CODES("Sex")="M", "W"; CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode \checkmark Colour codes Print Save	TIMEVAL	("Year")=TL	.IST(A1),	"2016","2	2017","2	018";			
CODES("Year")="2016", "2017", "2018"; CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; < PX Unicode \checkmark Colour codes Print Save	CODES("	Country")='	'DK","FI"	,"IS","NO	D","SE";				
CONTACT="nordicstatistics@statisticon.org"; SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	CODES("	Sex")="M",	"W";						
SOURCE="National statistical institutes."; NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	CODES("	Year")="20	16","201	7","2018'	;				
NOTE="Population as of 1 January"; NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	CONTACT	="nordicst	atistics@)statistic	on.org";				
NOTE("Age group")="Halfway grouped"; VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	SOURCE	="National	statistica	al institut	es.";				
VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Islands" VALUENOTE("Country", "Finland")="excluding Åland Islands"; <	NOTE="P	opulation a	s of 1 Ja	nuary";					
VALUENOTE("Country", "Finland")="excluding Åland Islands";	NOTE("Aç	je group")=	"Halfway	grouped	";				
 > PX Unicode ✓ ☑ Colour codes Print Save 	VALUENO	DTE("Count	ry","Den	mark")="	'excludir	ig Green	land and	l Faroe Islan	ds"
PX Unicode V Colour codes Print Save	VALUENO	DTE("Count	ry","Finla	and")="e	xcluding	Åland Is	slands";		Ţ
	۲								>
C1	PX Unico	de 🗸 🛛	Colour	codes		Print		Save	
								Close	

15

Variable order may be changed if needed

	А	В	С	D	E	F	G	Н	I.
1	Nordic population	en							
2	Sex			M			W		
3	Sex			Men			Women		
4	Year			2016	2017	2018	2016	2017	2018
5	Country	Country	Age group						
6	DK	Denmark	0-49 years	1796142	1797549	1796712	1734580	1734489	1734196
7			50- years	1041745	1062629	1079761	1134784	1154102	1170521
8	FI	Finland	0-49 years	1662827	1661692	1657123	1587107	1581760	1574903
9			50- years	1038663	1050635	1062008		1529408	1219096
10	IS	Iceland	0-49 years	115158	117546	122579	110587	111463	113784
11			50- years	52112	53487	55021	54672	55853	57066
12	NO	Norway	0-49 years	1750142	1755291	1755803	1655932	1660434	1662487
13			50- years	874969	893839	912568	932942	948753	964761
14	SE	Sweden	0-49 years	3137016	3188062	3227842	2983468	3019710	3051633
15			50- years	1793950	1825285	1854820	1936583	1962096	1985947
16									
17									
18	MATRIX	CITI01							
19	SUBJECT-CODE	VRM							
20	SUBJECT-AREA	Population							
21	COPYRIGHT	YES							
22	CONTACT	nordicstatistics@statisticon.org							
23	SOURCE	National statistical institutes.							
24	NOTE	Population as of 1 January							
25	STUB	Year,Sex							
26									

0-49 years	50- years	0.40				
	So years	0-49 years	50- years	0-49 years	50- years	0-49 yea
1796142	1041745	1662827	1038663	115158	52112	175014
1734580	1134784	1587107		110587	54672	165593
1797549	1062629	1661692	1050635	117546	53487	175529
1734489	1154102	1581760	1529408	111463	55853	166043
1796712	1079761	1657123	1062008	122579	55021	175580
1734196	1170521	1574903	1219096	113784	57066	166248
	1734580 1797549 1734489 1796712	1734580 1134784 1797549 1062629 1734489 1154102 1796712 1079761	1734580 1134784 1587107 1797549 1062629 1661692 1734489 1154102 1581760 1796712 1079761 1657123	1734580 1134784 1587107 1797549 1062629 1661692 1050635 1734489 1154102 1581760 1529408 1796712 1079761 1657123 1062008	1734580 1134784 1587107 110587 1797549 1062629 1661692 1050635 117546 1734489 1154102 1581760 1529408 111463 1796712 1079761 1657123 1062008 122579	1734580 1134784 1587107 110587 54672 1797549 1062629 1661692 1050635 117546 53487 1734489 1154102 1581760 1529408 111463 55853 1796712 1079761 1657123 1062008 122579 55021

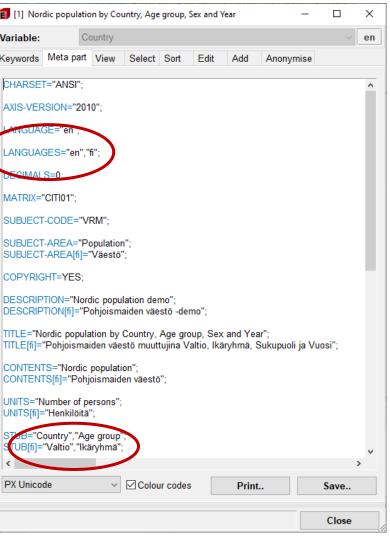


Multilingual tables



Multilingual table with table-specific keywords

AA	2 °	С	D	E	F	G	Н	I.	J	К	🗊 🚺] Nordic p	opulation	n by Cou
1 Nordic populatio	n en,fi												0	
2 Sex					М			W			Varia	ble:	Cou	untry
3 Sex					Men			Women			Kevw	ords Met	ta part	View
4 Sex					Miehiä			Naisia						
5 Year					2016	2017	2018	2016	2017	2018	CHA	RSET="A	NSI":	
6 Country	Country	Country	Age group	Age group									,	
7 DK	Denmark	Tanska	0-49 years	0-49 vuotta	1796142	1797549	1796712	1734580	1734489	1734196	AXIS	-VERSIO	N="2010	";
8			50- years	50- vuotta	1041745	1062629	1079761	1134784	1154102	1170521				
9 FI	Finland	Suomi	0-49 years	0-49 vuotta	1662827	1661692	1657123	1587107	1581760	1574903	II.	GUAGE='	"en ,	
10			50- years	50- vuotta	1038663	1050635	1062008		1529408	1219096		GUAGES:	-"op" "fi	".) .
11 IS	Iceland	Islanti	0-49 years	0-49 vuotta	115158	117546	122579	110587	111463	113784		JUNOL3	- en , n	· /
12			50- years	50- vuotta	52112	53487	55021	54672	55853	57066		MALS=0		
13 NO	Norway	Norja	0-49 years	0-49 vuotta	1750142	1755291	1755803	1655932	1660434	1662487				
14			50- years	50- vuotta	874969	893839	912568	932942	948753	964761	MAT	RIX="CITI	01";	
15 SE	Sweden	Ruotsi	0-49 years	0-49 vuotta	3137016	3188062	3227842	2983468	3019710	3051633				
16			50- years	50- vuotta	1793950	1825285	1854820	1936583	1962096	1985947	SUE	JECT-CO	DE="VR	.M";
17											SUF	JECT-AR	FA="Por	oulation
18												JECT-ARE		
19 languagecode	en	fi												
20 STUB	Country,Age group	Valtio, Ikäryhmä									COF	YRIGHT=	YES;	
21 HEADING	Sex,Year	Sukupuoli, Vuosi									DES	CRIPTION	I="Nordi	
22 MATRIX	CITI01											CRIPTION		
23 SUBJECT-CODE	VRM												1.1.1.1.0	njoisini
24 SUBJECT-AREA	Population	Väestö									TITL	E="Nordic	populati	ion by
25 COPYRIGHT	YES										TITL	E[fi]="Poh	ijoismaid	len väe
26 DESCRIPTION	Nordic population demo	Pohjoismaiden v	äestö -dem	D										
27 CONTENTS	Nordic population	Pohjoismaiden v	äestö									ITENTS="		
28 UNITS	Number of persons	Henkilöitä										ITENTS[fi]	- Ponjo	ismaiu
29 CONTACT	nordicstatistics@statisticon.org										UNI	S="Numb	per of per	sons":
30 SOURCE	National statistical institutes.	pohjoismaiset til	astovirastot									S[fi]="Her		
31 NOTE	Population as of 1 January	väestö 1. tammik	uuta											
22		1										∃="Counti B[fi]="Valt		



Statistics Finlanc

Multilingual table with rich metadata

A	В	С	D	E	F	G	н	1	J	K	🗊 [1] Nordic population by Country, Age group, Sex and Year 🛛 🗖
Nordic population	n en,fi										
Sex Sex					М			w			Variable: Country ~
8 Sex					Men			Women			Karanada Mata pat Miran Calast Cat Edit Add Assumias
4 Sex					Miehiä			Naisia			Keywords Meta part View Select Sort Edit Add Anonymise
5 Year					2016	2017	2018	2016	2017	2018	
6 Country	Country	Country	Age group	Age group							 VALUES("Year")="2016", "2017", "2018"; VALUES[fi]("Vuosi")="2016", "2017", "2018";
7 DK	Denmark	Tanska	0-49 years	0-49 vuotta	1796142	1797549	1796712	1734580	1734489	1734196	
3			50- years	50- vuotta	1041745	1062629	1079761	1134784	1154102	1170521	TIMEVAL("Year")=TLIST(A1),"2016","2017","2018";
9 FI	Finland	Suomi	0-49 years	0-49 vuotta	1662827	1661692	1657123	1587107	1581760	1574903	TIMEVAL[fi]("Vuosi")=TLIST(A1),"2016","2017","2018";
0			50- years	50- vuotta	1038663	1050635	1062008		1529408	1219096	
1 IS	Iceland	Islanti	0-49 years	0-49 vuotta	115158	117546	122579	110587	111463	113784	CODES("Country")="DK", "FI", "IS", "NO", "SE";
2			50- years	50- vuotta	52112	53487	55021	54672	55853	57066	CODES[fi]("Valtio")="DK","FI","IS","NO","SE";
3 NO	Norway	Norja	0-49 years	0-49 vuotta	1750142	1755291	1755803	1655932	1660434	1662487	CODES("Sex")="M","W";
4			50- years	50- vuotta	874969	893839	912568	932942	948753	964761	CODES(Gex)= W, W, CODES[fi]("Sukupuoli")="M", "W";
5 SE	Sweden	Ruotsi	0-49 years	0-49 vuotta	3137016	3188062	3227842	2983468	3019710	3051633	
6			50- years	50- vuotta	1793950	1825285	1854820	1936583	1962096	1985947	CODES("Year")="2016","2017","2018";
7											CODES[fi]("Vuosi")="2016","2017","2018";
8											
9 languagecode	en	fi	en	en	fi	en	en	fi	fi		 CONTACT="nordicstatistics@statisticon.org"; CONTACT[fi]="nordicstatistics@statisticon.org";
0 variablename			Age group	Year	Ikäryhmä	Country	Country	Valtio	Valtio		CONTACT[II]- nordicstatistics@statisticon.org ,
1 valuetext						Denmark	Finland	Tanska	Suomi		SOURCE="National statistical institutes.":
2 STUB	Country, Age group	Valtio, Ikäryhmä									SOURCE[fi]="pohjoismaiset tilastovirastot";
3 HEADING	Sex,Year	Sukupuoli, Vuosi									
4 MATRIX	CITI01										NOTE="Population as of 1 January";
5 SUBJECT-CODE	VRM										NOTE[fi]="väestö 1. tammikuuta";
6 SUBJECT-AREA	Population	Väestö									NOTE("Age group")="Halfway grouped";
7 COPYRIGHT	YES										NOTE(Age gloup)- Hallway glouped , NOTE[fi]("Ikäryhmä")="Kahtia jaettu";
8 DESCRIPTION	Nordic population of	Pohjoismaiden vä	estö -demo								
9 CONTENTS	Nordic population	Pohjoismaiden vä	estö								VALUENOTE("Country", "Denmark")="excluding Greenland and Faroe Island
0 UNITS	Number of persons	Henkilöitä									VALUENOTE[fi]("Valtio", "Tanska")="ei sisällä Färsaaria eikä Grönlantia";
1 CONTACT	nordicstatistics@st	atisticon.org									
2 SOURCE	National statistical	ir pohjoismaiset tila	stovirastot								VALUENOTE("Country", "Finland")="excluding Åland Islands";
3 NOTE	Population as of 1 J	a väestö 1. tammiku	uta								VALUENOTE[fi]("Valtio","Suomi")="ei sisällä Ahvenanmaata";
4 TIMEVAL				Α							
5 NOTE			Halfway gro	ouped	Kahtia jaettu						PX Unicode V Colour codes Print. Save.
6 VALUENOTE						excluding G	excluding	oi cicalla	oi cicalla A		PX Unicode ∨ ✓ Colour codes Print Save





Close

Miscellaneous



Structural files

- The same structural format works for files as well
 - there has to be a consistent field separator character: either semicolon, tabulator or comma
- The files can be arbitrarily large
- There are special options for rare occasions
 - adding cell-specific information
 - handling legacy sequential files
 - fixed record lengths without variable names (mainframe era)



PxJob specialities

- PxJob uses control files for metadata injection
- Control files are plain CSV files which have the same syntax as keyword blocks
- There are a couple of extra controls for metadata handling
 - filename for file- or directory tree filtering (wildcards ?* accepted)
 - replacetext for metadata changes (wildcards ?* accepted)
 - setting ~ (tilde) for the new value for a keyword will remove it



Tips

- If the Excel connection is not working
 - the table can be copied via clipboard (without cell comments, though)
 - the table can be saved as a ${\tt csv}$ file and then read to PxEdit
 - these approaches work with other spreadsheet applications (e.g. *LibreOffice*)
- Opening a px file and saving it as a structural table helps when studying the format details
 - see Settings|Structural table and File|Save to|PxJob-CSV
- It is possible to include cell-specific keywords and/or hierarchy information in the structural table, too

