

Quantum GIS 7c128e1

File Edit View Layer Settings Plugins Vector Raster Help

Layers

Country

Layer Properties - Country

Style Labels Fields General Metadata Actions

Graduated

Column: POP_CNTRY

Symbol: change

Classes: 5

Color ramp: BWRamp

Mode: Natural Breaks (Jenks)

Symbol	Range	Label
	-99999.0000 - 28402320.0000	-99999.0000 - 28402320.0000
	28402320.0000 - 97228750.0000	28402320.0000 - 97228750.0000
	97228750.0000 - 258833000.0000	97228750.0000 - 258833000.0000
	258833000.0000 - 894608700.0000	258833000.0000 - 894608700.0000
	894608700.0000 - 1281008318.0000	894608700.0000 - 1281008318.0000

Control rendering order

Active (Shift+A) Graph

Layer Properties - style

- Open country.shp
- Properties - style
- Choose graduated column POP_Cntry, BW colour ramp, 5 classes

Coordinate: -184.3,81.1 Scale: 1:157760751 Render EPSG:4326

- Open attribute table for country.shp
- Start editing
- Open field calculator
- New field Pop_Densty
- Calculation $\text{POP_CNTRY} / \text{SQKM_CNTRY}$

Field calculator

☐ Only update selected features ☐ Update existing field FIPS_CNTRY

New field

Output field name:

Output field type: Whole number (integer)

Output field width: Precision:

Fields	Values
CNTRY_NAME	182.926
SOVEREIGN	462.378
POP_CNTRY	641869.188
SQKM_CNTRY	2320972
SQMI_CNTRY	85808.203

Operators

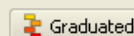
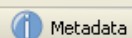
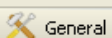
Field calculator expression



Layers

Country

Layer Properties - Country



Graduated

Symbol levels

Old symbology

Column Pop_densit

Symbol change

Classes 5

Color ramp [source]

Mode Quantile

Symbol	Range	Label
	-220.0000 - 11.0...	-220.0000 - 11.0000
	11.0000 - 40.0000	11.0000 - 40.0000
	40.0000 - 88.0000	40.0000 - 88.0000
	88.0000 - 221.00...	88.0000 - 221.0000
	221.0000 - 3012...	221.0000 - 30127.0000

Classify

Add class

Delete class

Advanced

Restore Default Style

Save As Default

Load Style ...

Save Style ...

OK

Cancel

Apply

Help

Coordinate: -188.6,121.8

Scale 1:157760747

Render EPSG:4326

13:07

- Save edits
- Change style to pop_density colour ramp

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Add vector table redlistdata.csv (a spreadsheet we made in excel)

- Open country.shp properties
- Select joins tab
- Add join to redlistdata field country, to target field CTRY_NAME

Properties - Country

Fields General Metadata Actions Joins Diagrams

Join field: COUNTRY

Target field: CTRY_NAME

☒ Cache join layer in virtual memory

☐ Create attribute index on join field

OK Cancel

Restore Default Style Save As Default Load Style ... Save Style ...

OK Cancel Apply Help

Coordinate: -188.2,122.2 Scale: 1:157760747 Render EPSG:4326 14:10

- Open attribute table for country.shp
- Now contains columns from redlist table

Attribute table - Country :: 0 / 251 feature(s) selected

	COLOR_MAP	Pop_densit	MAMMALS	BIRDS	REPTILES	AMPHIBIANS
0	1	367	3	1	2	0
1	2	141	NULL	NULL	NULL	NULL
2	3	27	11	13	1	1
3	3	12	14	11	8	3
4	4	64	7	15	9	0
5	6	119	3	6	4	2
6	7	113	9	10	7	0
7	8	122	2	0	1	0
8	1	9	14	19	4	0
9	2	284	1	8	2	0
10	8	12	35	50	5	29
11	4	2	55	49	40	47
12	1	93	4	9	1	0
13	6	107	1	0	3	0
14	7	0	1	5	0	0
15	8	876	3	4	4	0
16	1	592	3	1	4	0
17	2	2	6	8	0	0
18	3	1522	4	1	2	0
19	4	329	3	2	0	0
20	5	21	NULL	NULL	NULL	NULL
21	6	872	34	27	20	1

Look for in FIPS_CNTRY Search

☐ Show selected only ☐ Search selected only ☒ Case sensitive Advanced search ?

QGIS 2.2.0-Valmiera

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Layer Properties - Country | Style

General

Style

Labels

Fields

Rendering

Display

Actions

Joins

Diagrams

Metadata

Layer rendering

Layer transparency: 0

Layer blending mode: Normal

Feature blending mode: Normal

Graduated

Column: toint("RedListData_N2009_TOTA")

Symbol: Change...

Classes: 10

Color ramp: Blues

Mode: Quantile (Equal Count)

Symbol	Value	Label
	0.0000 - ...	0.0000 - 20.4000
	20.4000 - ...	20.4000 - 31.8000
	31.8000 - ...	31.8000 - 39.2000
	39.2000 - ...	39.2000 - 48.0000
	48.0000 - ...	48.0000 - 59.0000
	59.0000 - ...	59.0000 - 77.8000
	77.8000 - ...	77.8000 - 110.8000
	110.8000 - ...	110.8000 - 159.2000
	159.2000 - ...	159.2000 - 315.2000
	315.2000 - ...	315.2000 - 2211.0000

Classify Add class Delete Delete all

Load Style ... Save As Default Restore Default Style

OK Cancel

Set column expression

Function list

Selected function help

Search

Operators Group

This group contains operators e.g
+ - *

Operators

Expression

toint("RedListData_N2009_TOTA")

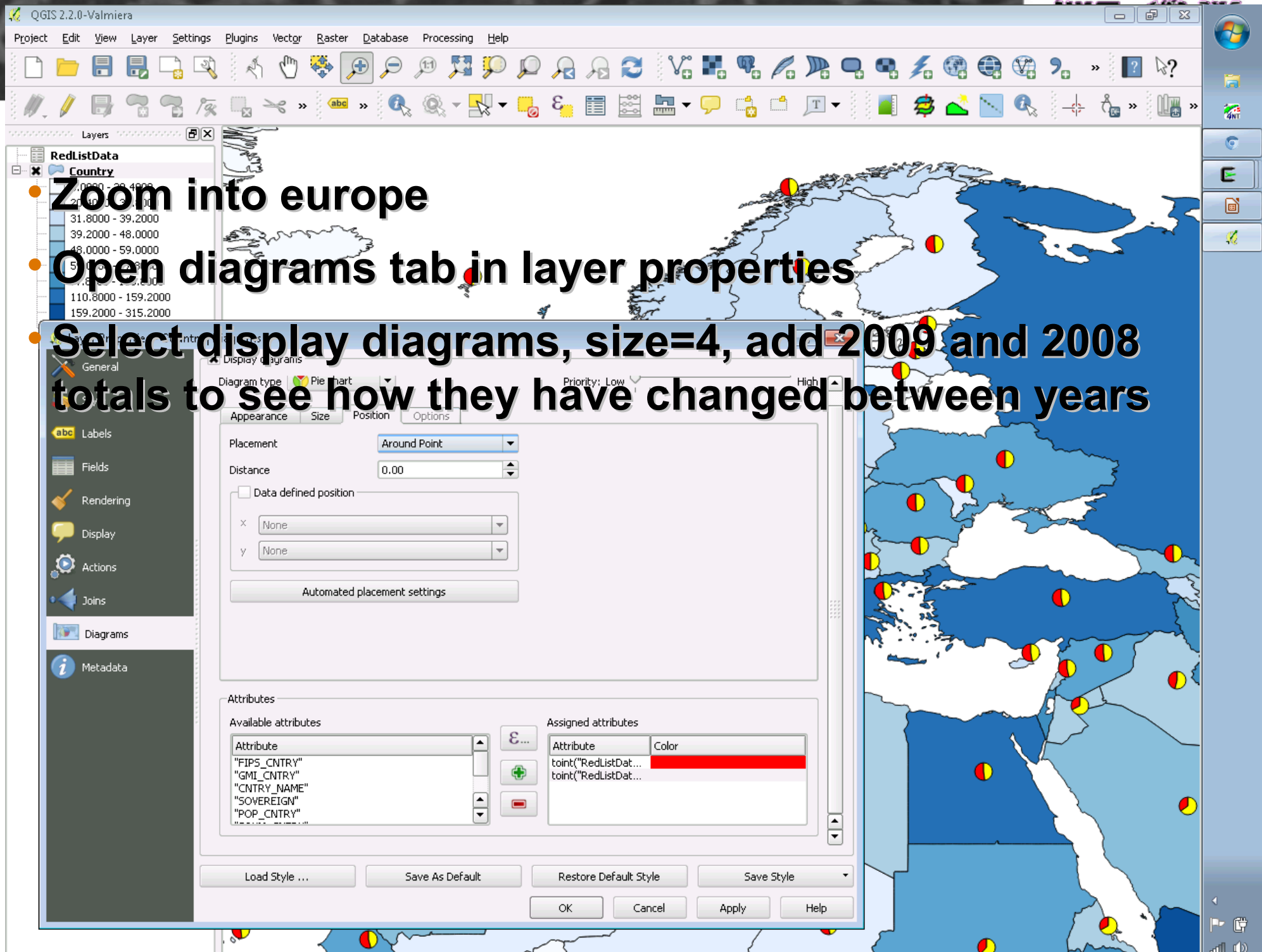
Output preview: 23

OK Cancel

- .csv file is read as text, not numbers
- Use the function “toint” to convert to a number
- Change country fill to RedListData_Total2009 (number of endangered species)

Coordinate: -189.0,13.7 Scale: 1:153,316,782 Render EPSG:4326

16:35 24/03/2014



• Zoom into europe

• Open diagrams tab in layer properties

• Select display diagrams, size=4, add 2009 and 2008 totals to see how they have changed between years

- Start new project
- Open country.shp and redlistdata.csv
- Re-establish join
- Create a new column Endangered species / km2
- Note you need to specify at least 4 decimal precisions for the new field
- Colour countries by this column