

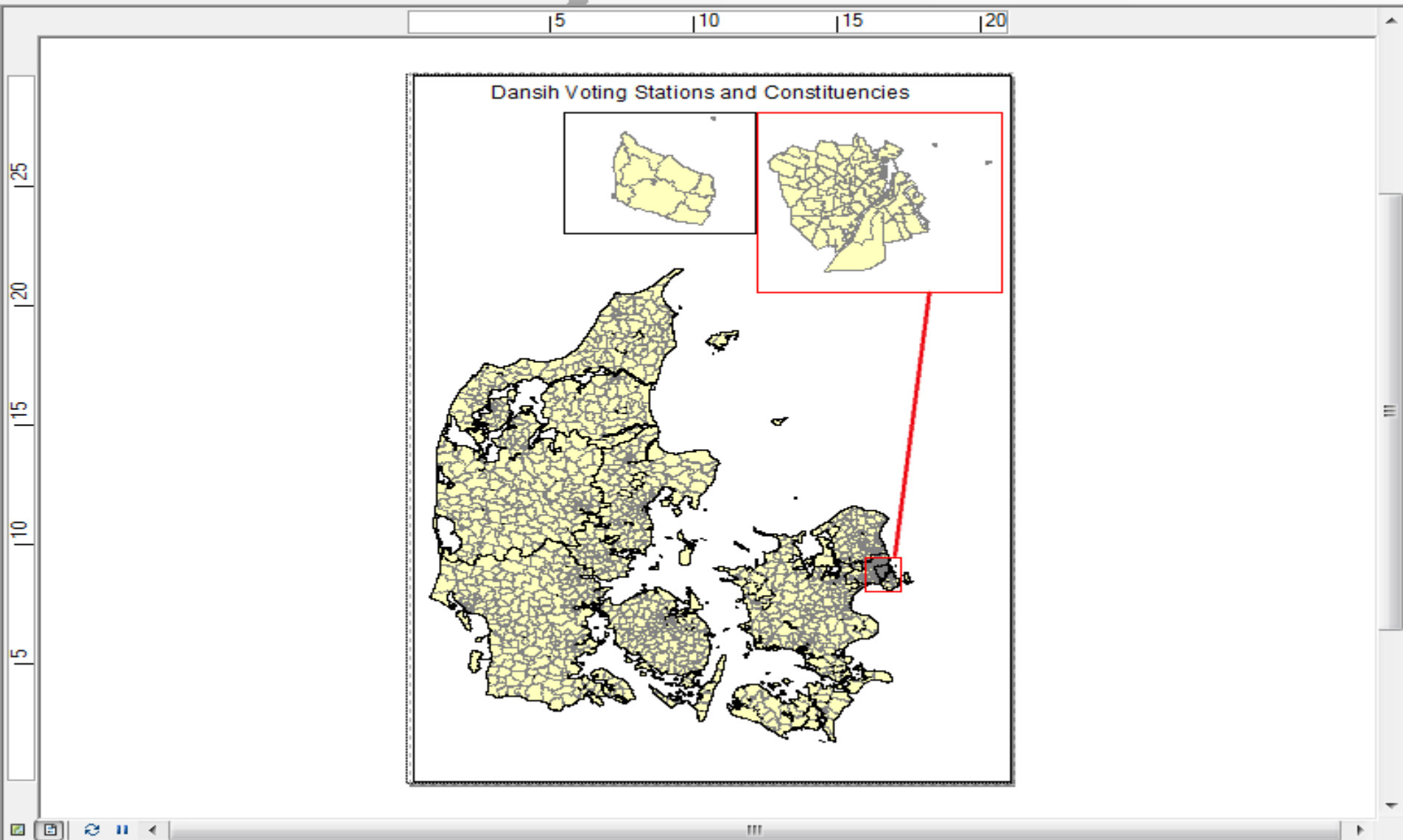
Voter reaction to the planned toll ring (betalingsring) for car traffic around Copenhagen

Søren Risbjerg Thomsen
and

Emil Anker Jørgensen
Department of Political Science

Workshop on Political Behavior, 18-19 March, 2013

The Political-Ecological Data Archive

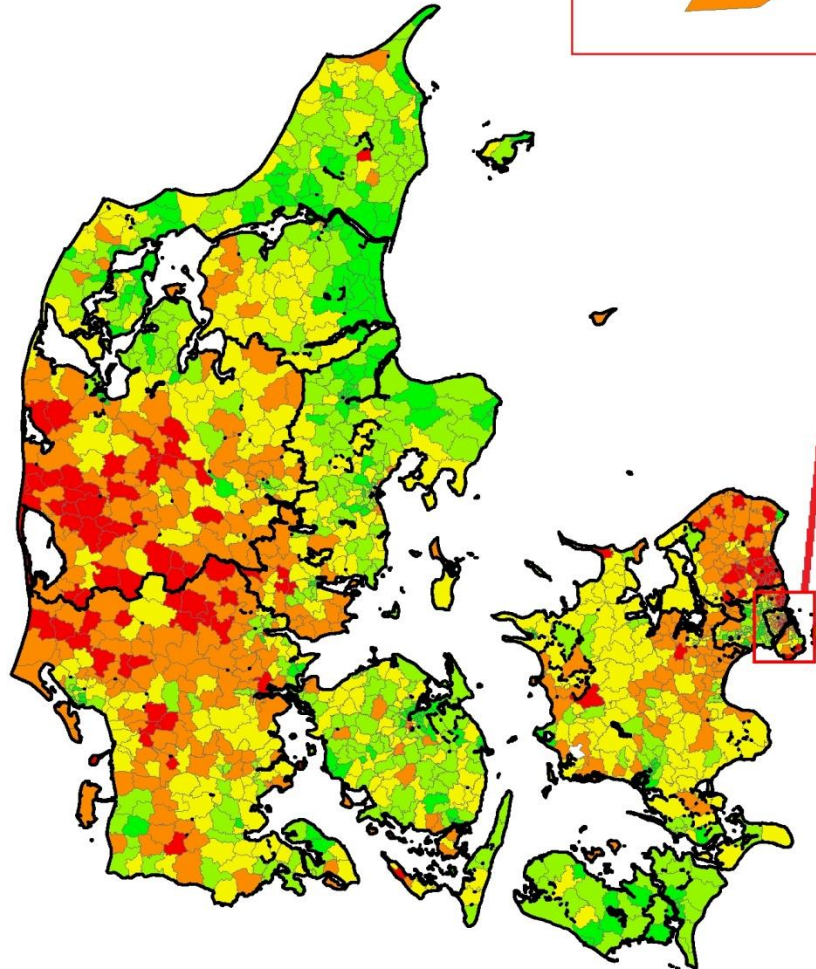
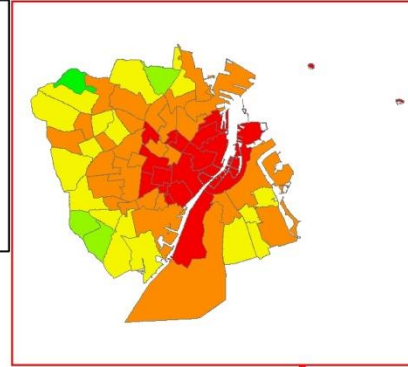
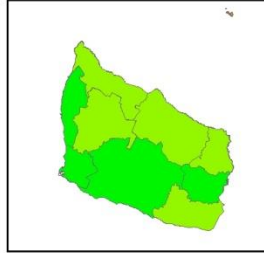
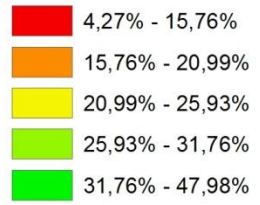


Data Archive

- About 1.500 Polling station units 1979-2011
- Election data
 - National and local elections, referendums
- Populations data
 - Demography, vocation, education, income, etc.
- Algorithm for comparison of units over time
 - Based on composition of road-pieces within each polling station area

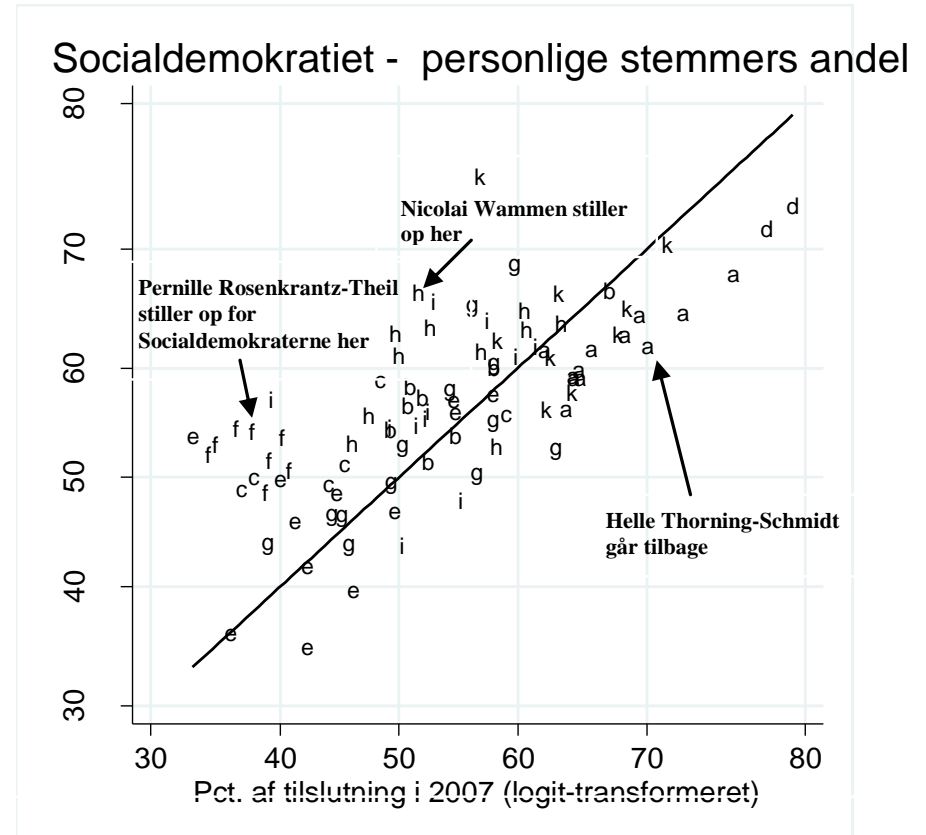
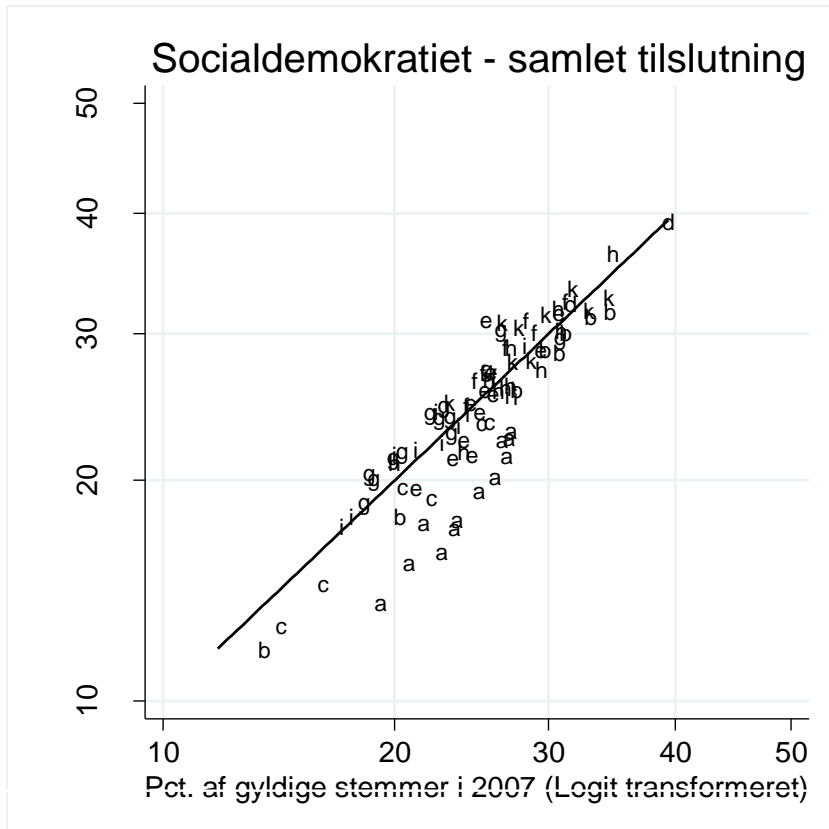
voter support for Social Democrats at the 2011 election

share of total votes



2011 support

Social Democrats - Change in support and in personal vote share



a. København

b. Københavns Omegn

c. Nordsjælland

d. Bornholm

e. Sjælland

f. Fyn

g. Syddjylland

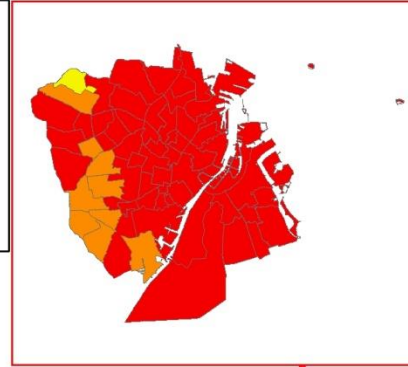
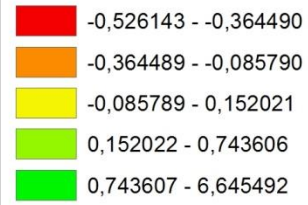
h. Østjylland

i. Vestjylland

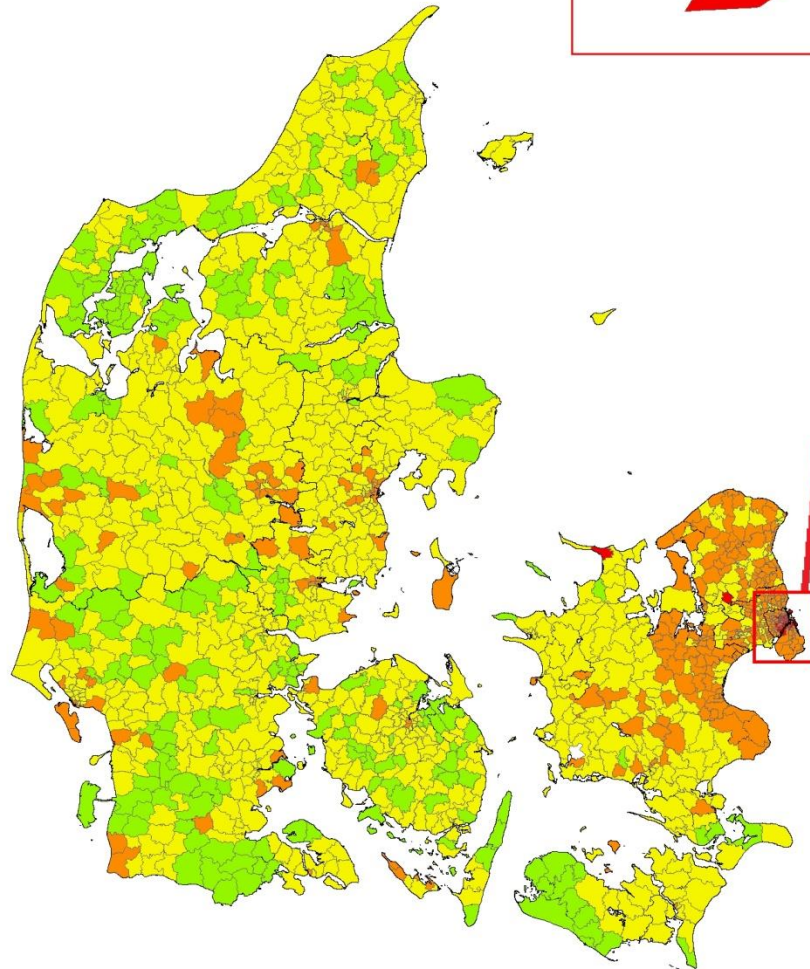
k. Nordjylland

Logit-voteshare changes for Social Democrats 2007-2011 elections

Logit Changes

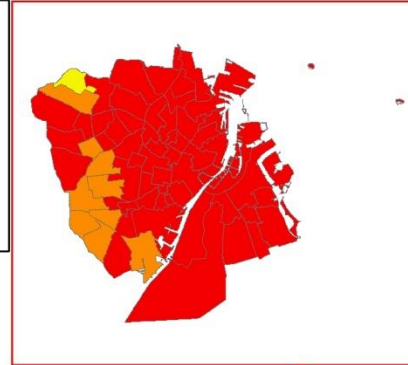
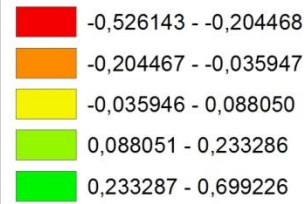


Actual change

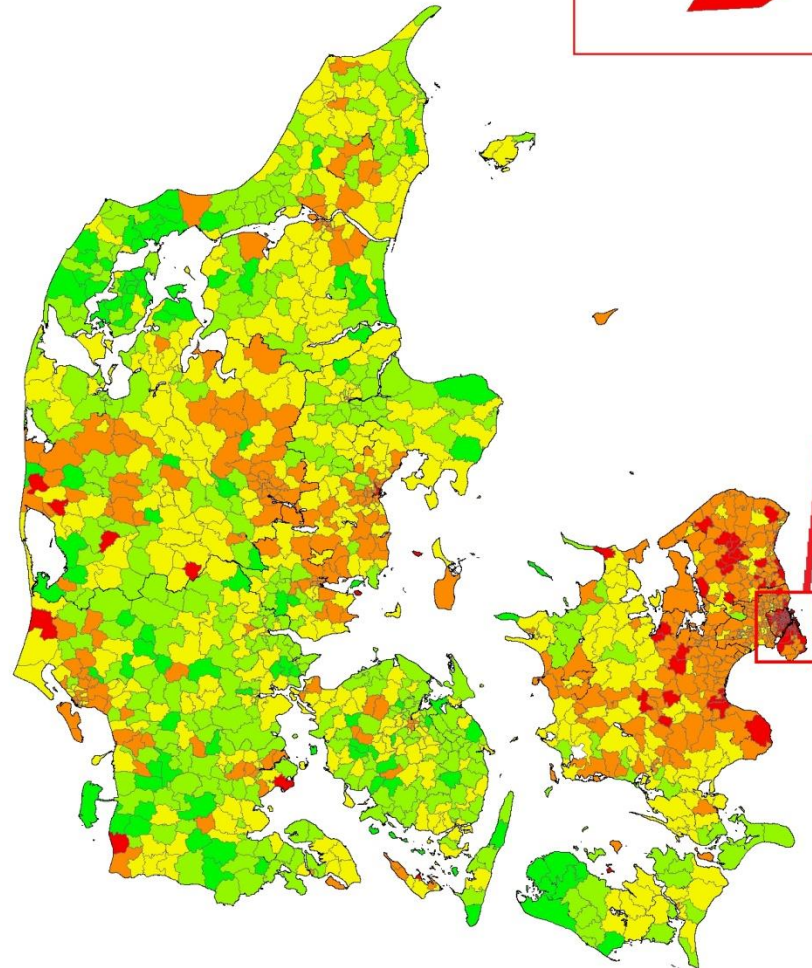


Logit-voteshare changes for Social Democrats 2007-2011 elections

Logit Changes

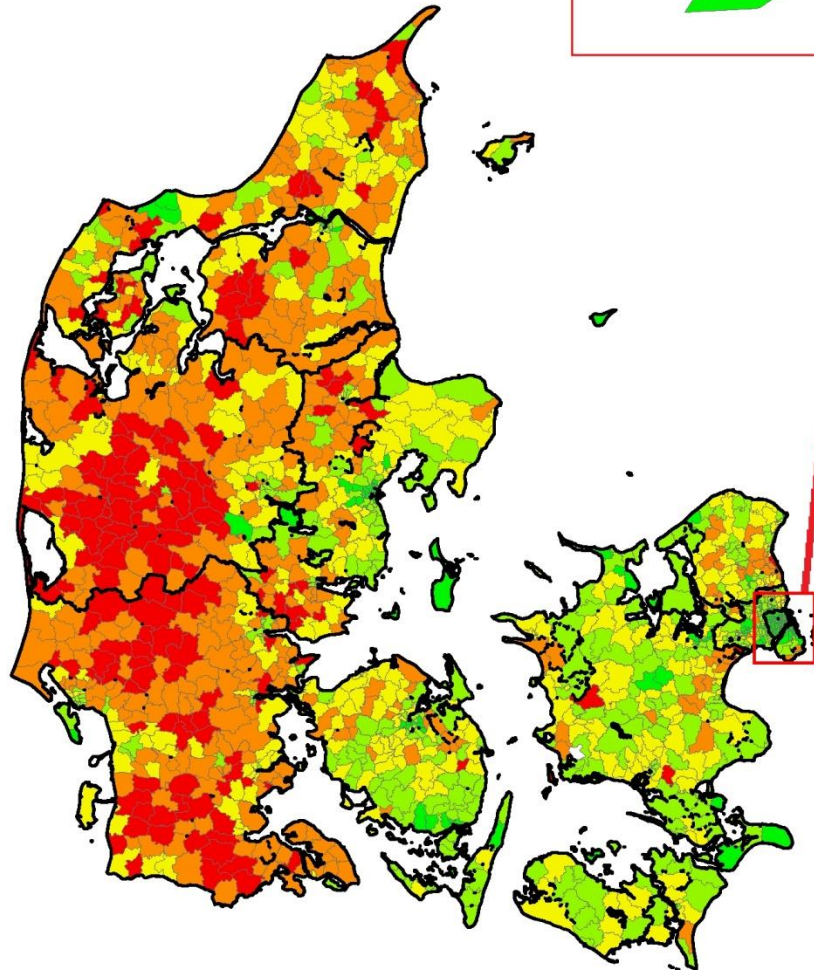
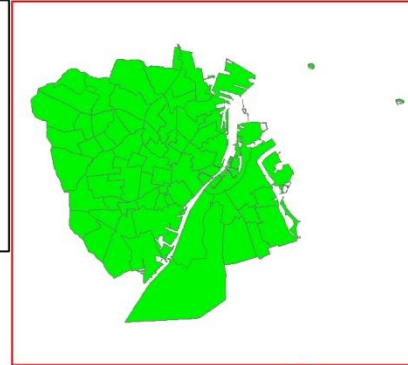
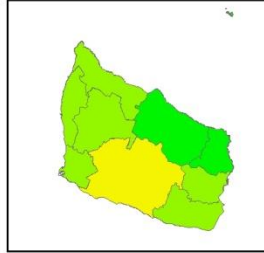


Centered change



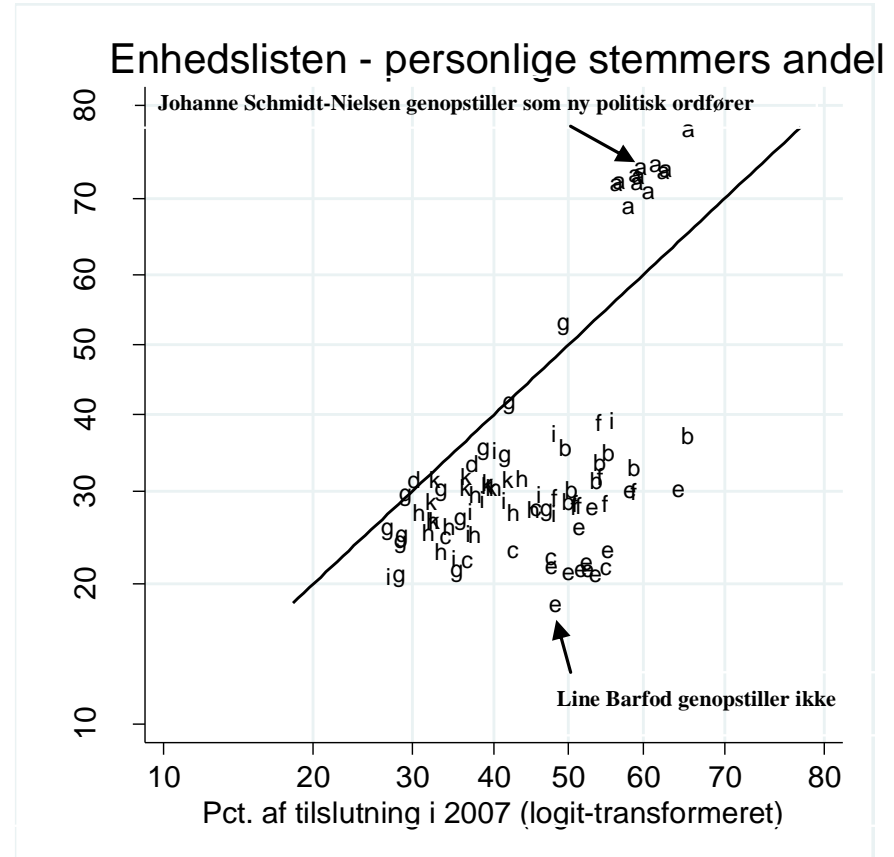
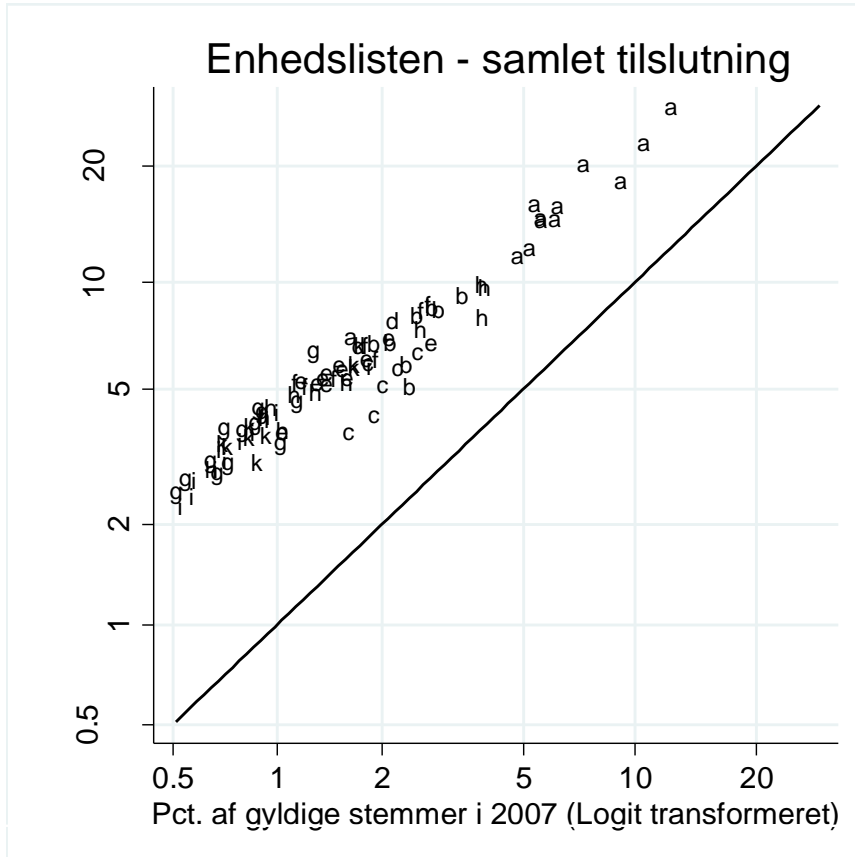
Voter support for Red-Green Alliance at the 2011 election

share of total votes



2011 support

Red-Green Alliance - Change in support and in personal vote share

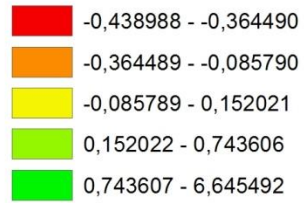


- a. København
- b. Københavns Omegn
- c. Nordsjælland
- d. Bornholm
- e. Sjælland
- f. Fyn

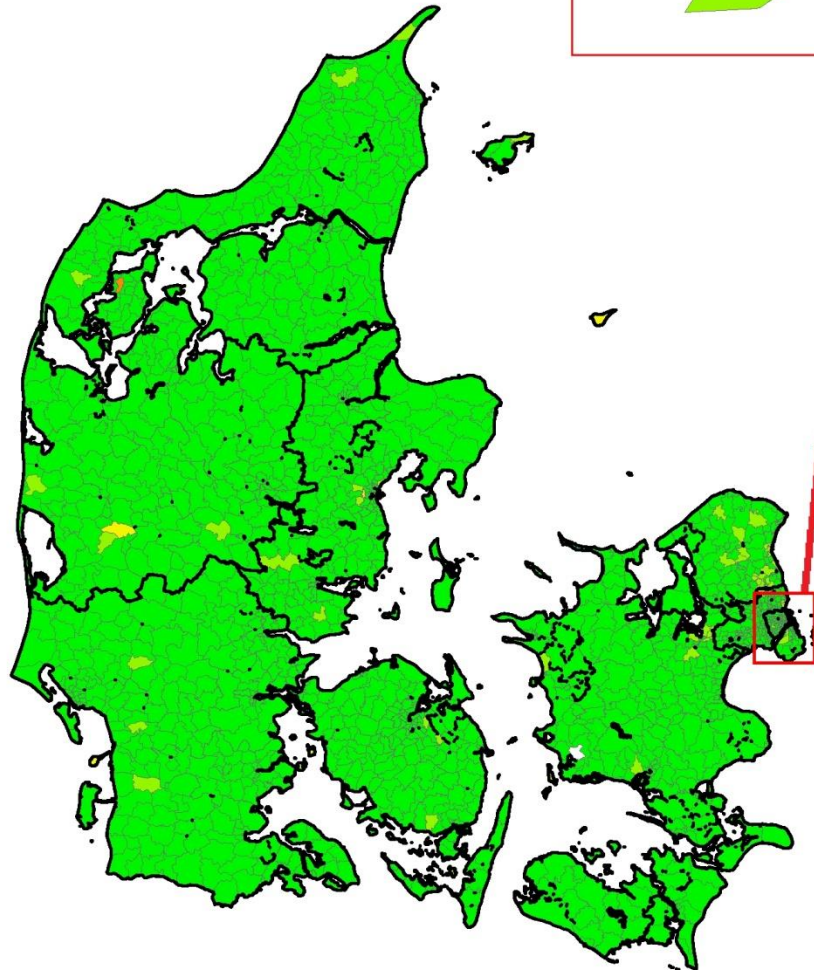
- g. Syddjylland
- h. Østjylland
- i. Vestjylland
- k. Nordjylland

Logit vote share changes for Red-Green Alliance 2007-2011 elections

Logit Changes

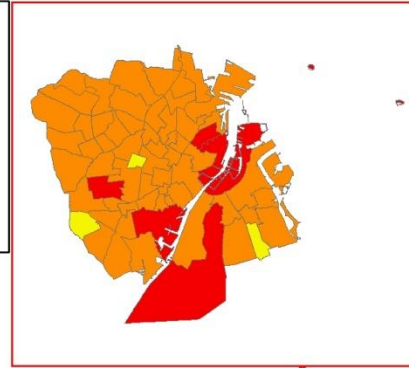
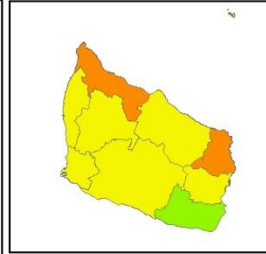


Actual change

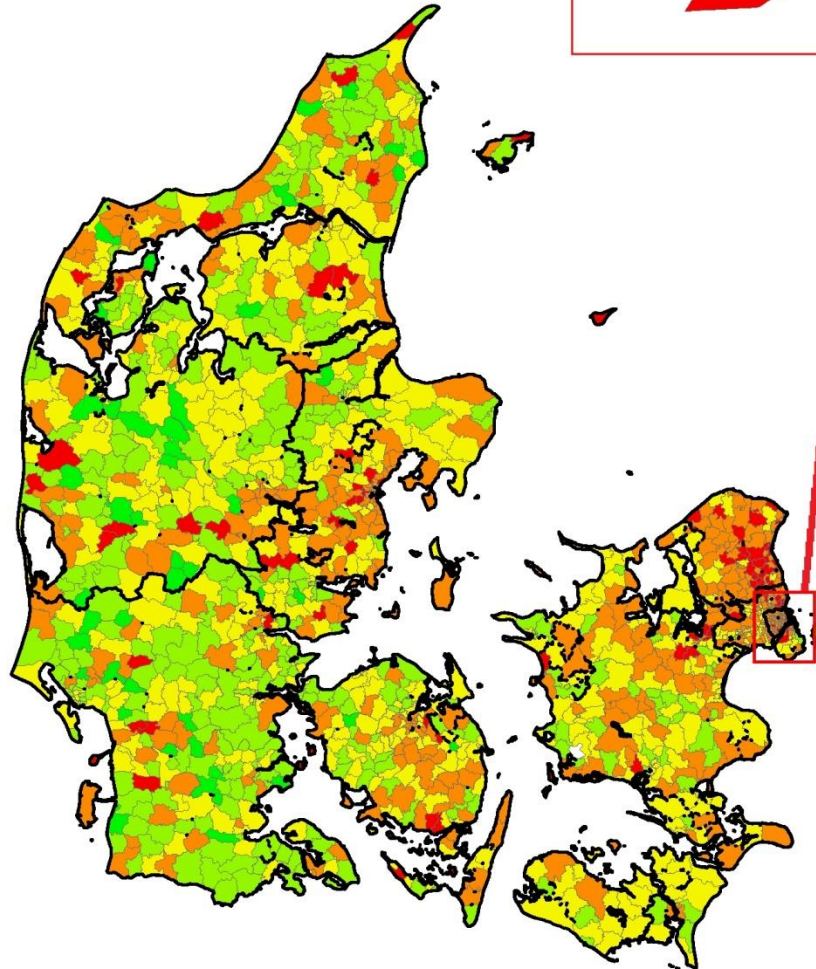


Logit vote share changes for Red-Green Alliance 2007-2011 elections

Logit Changes

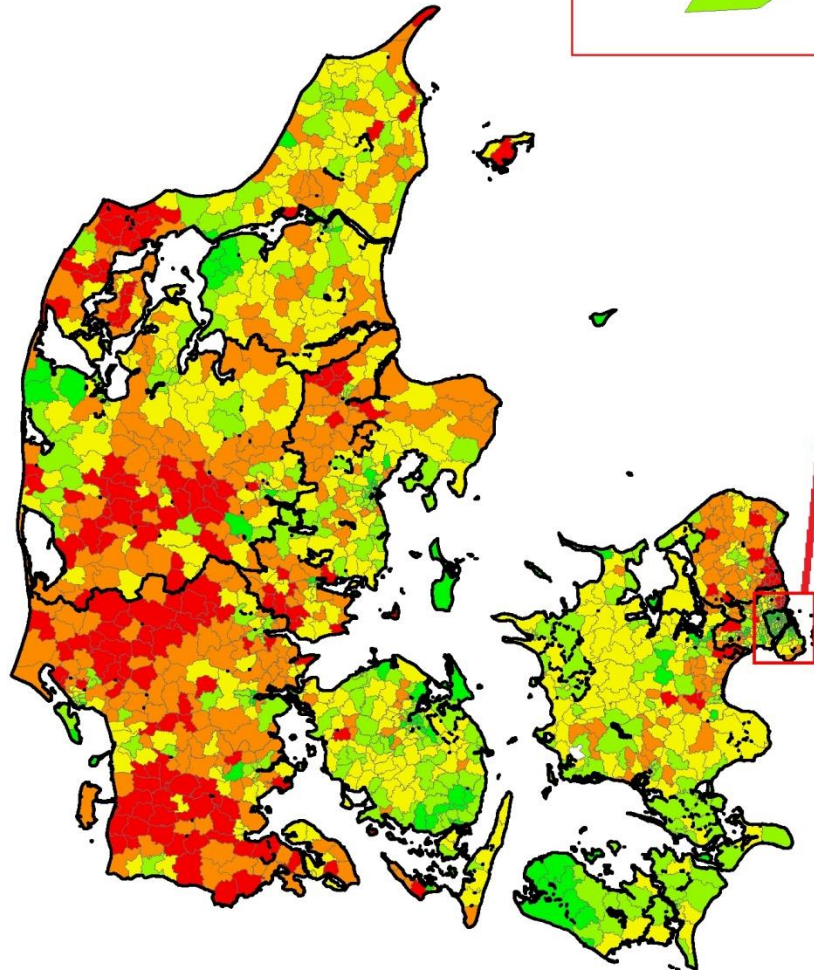
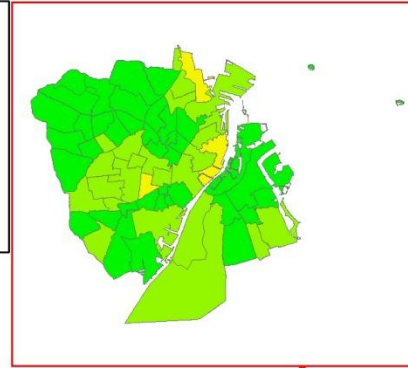
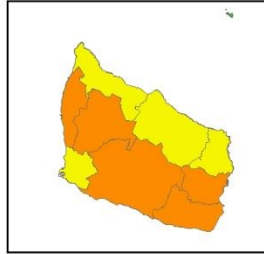


Centered change



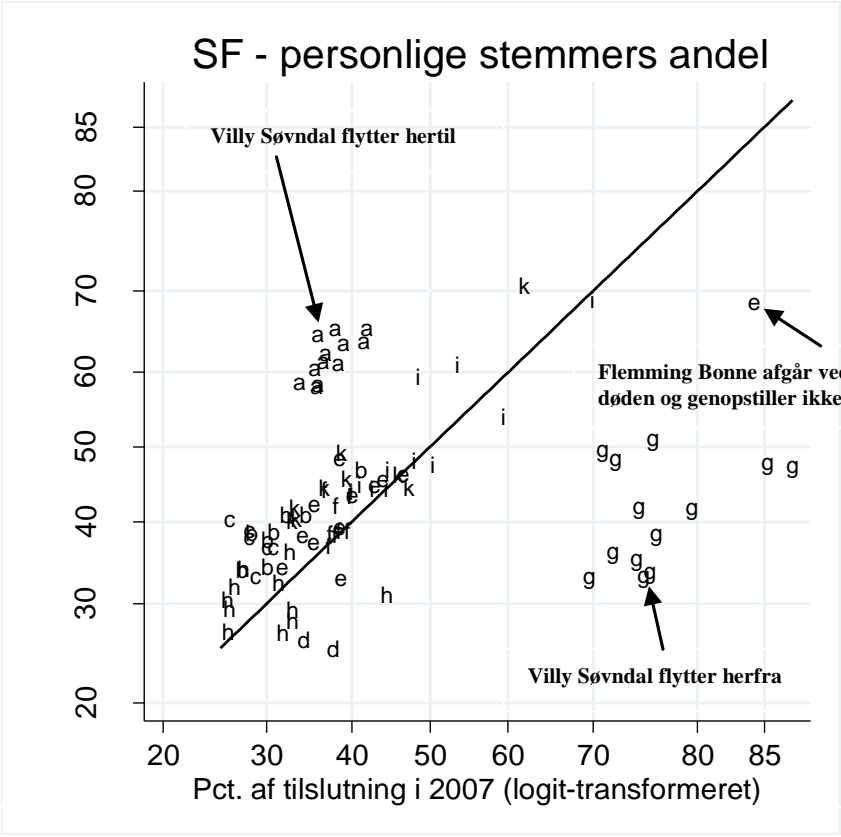
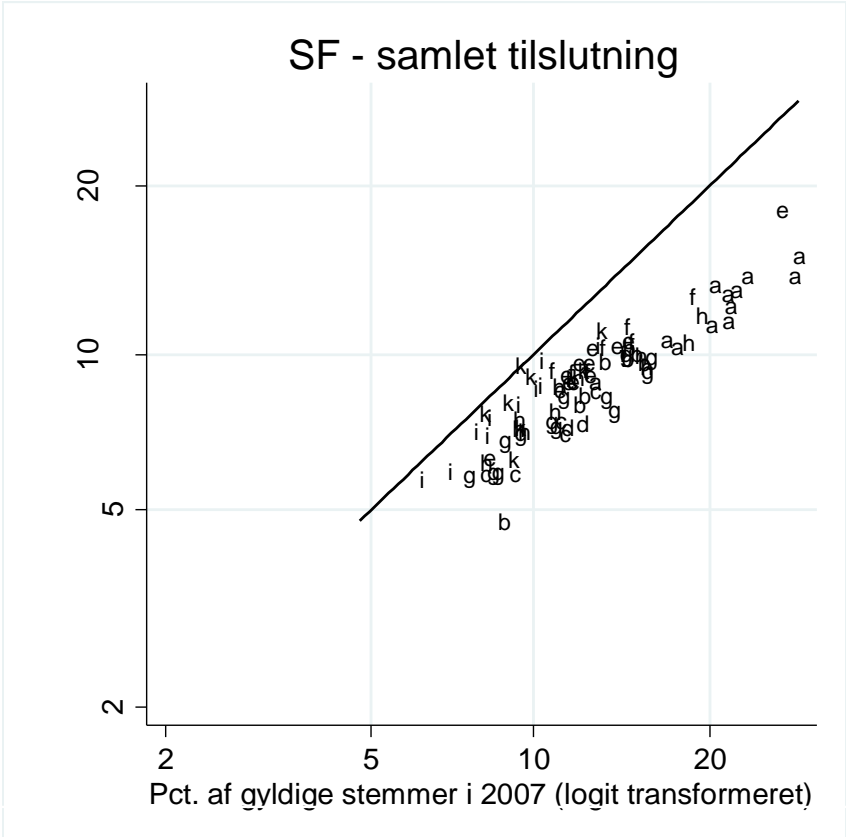
Voter support for Socialist People's Party at the 2011 election

share of total votes



2011 support

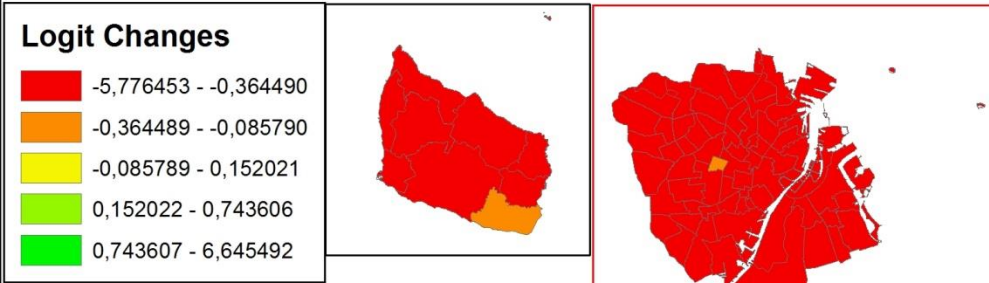
Socialist People's Party - Change in support and in personal vote share



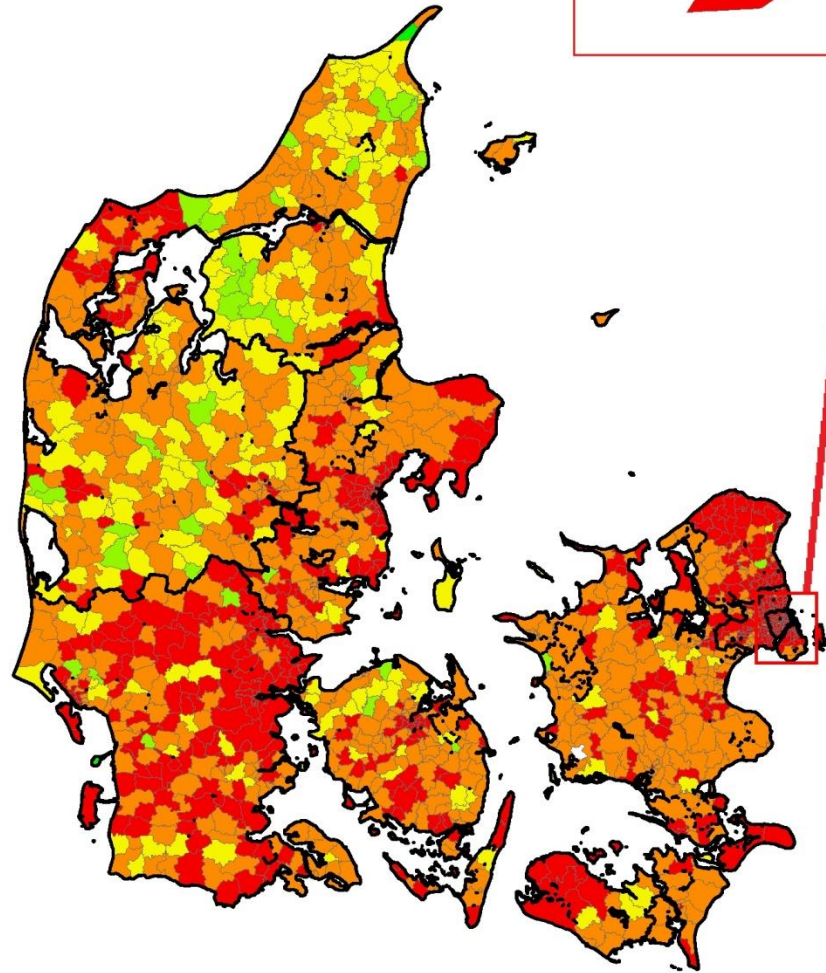
- a. København
- b. Københavns Omegn
- c. Nordsjælland
- d. Bornholm
- e. Sjælland
- f. Fyn

- g. Syddjylland
- h. Østjylland
- i. Vestjylland
- k. Nordjylland

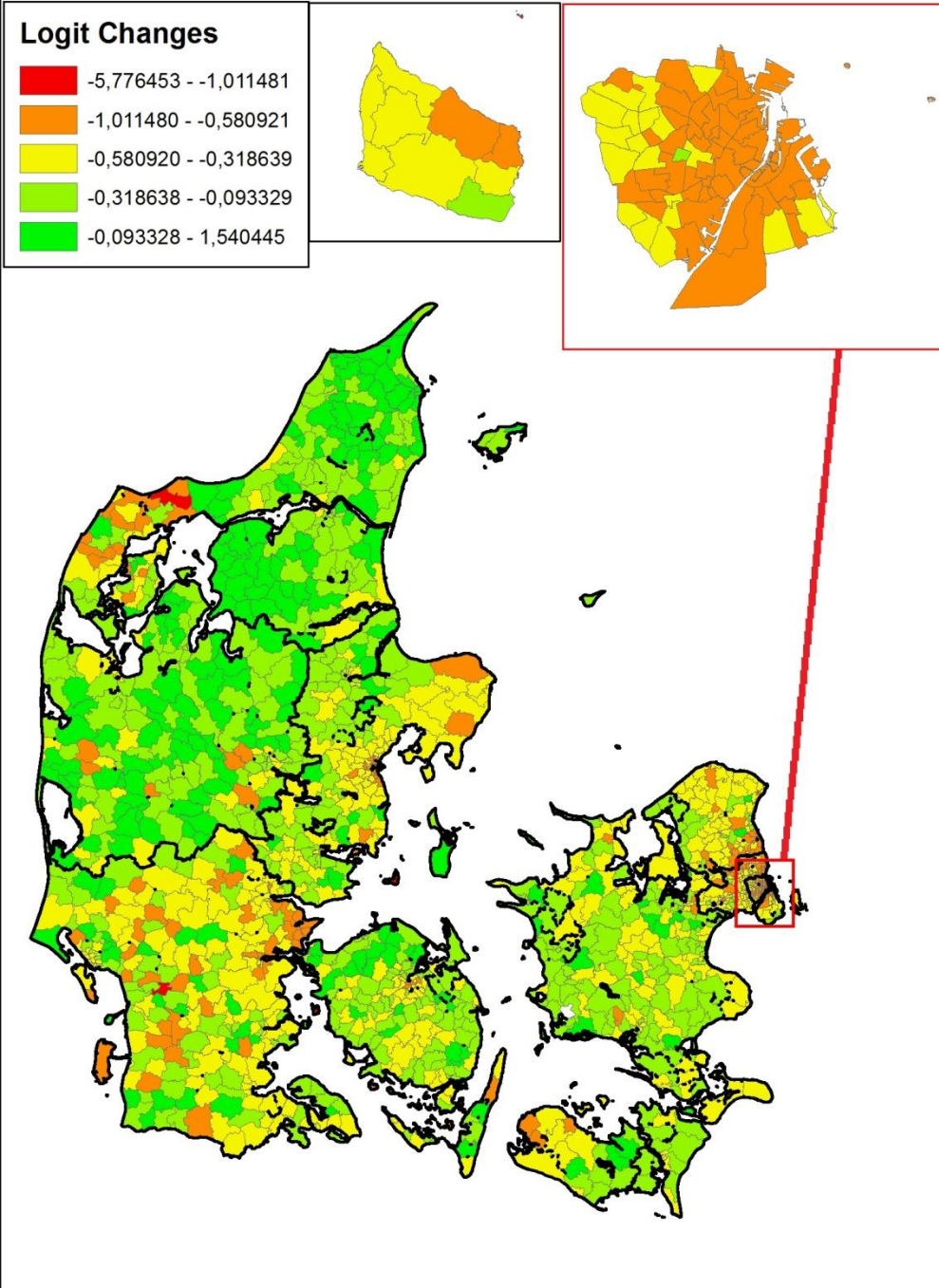
Logit vote share changes for Socialist People's Party 2007-2011 elections



Actual change

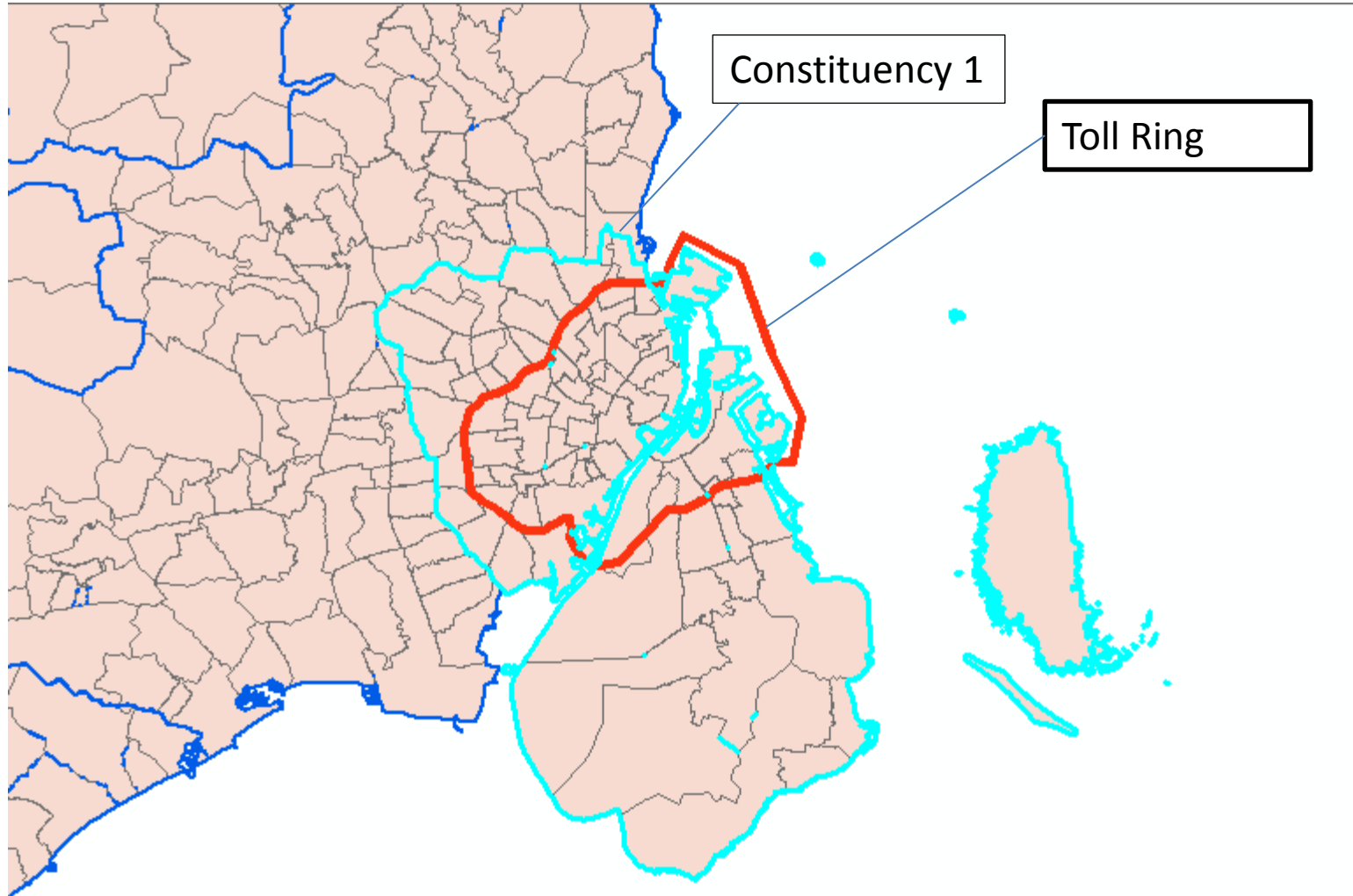


Logit vote share changes for Socialist People's Party 2007-2011 elections

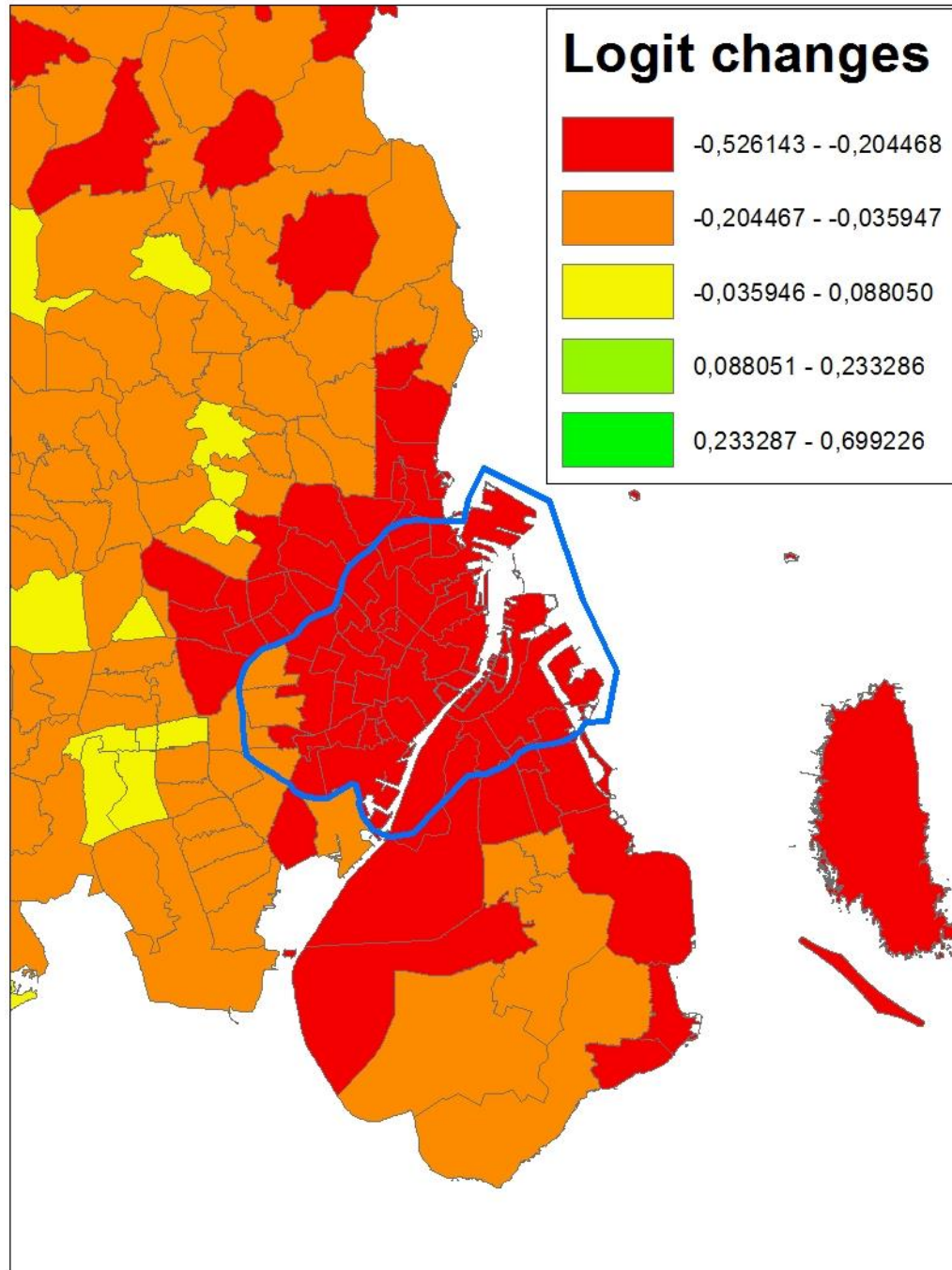


Centered change

Toll Ring and Constituency 1

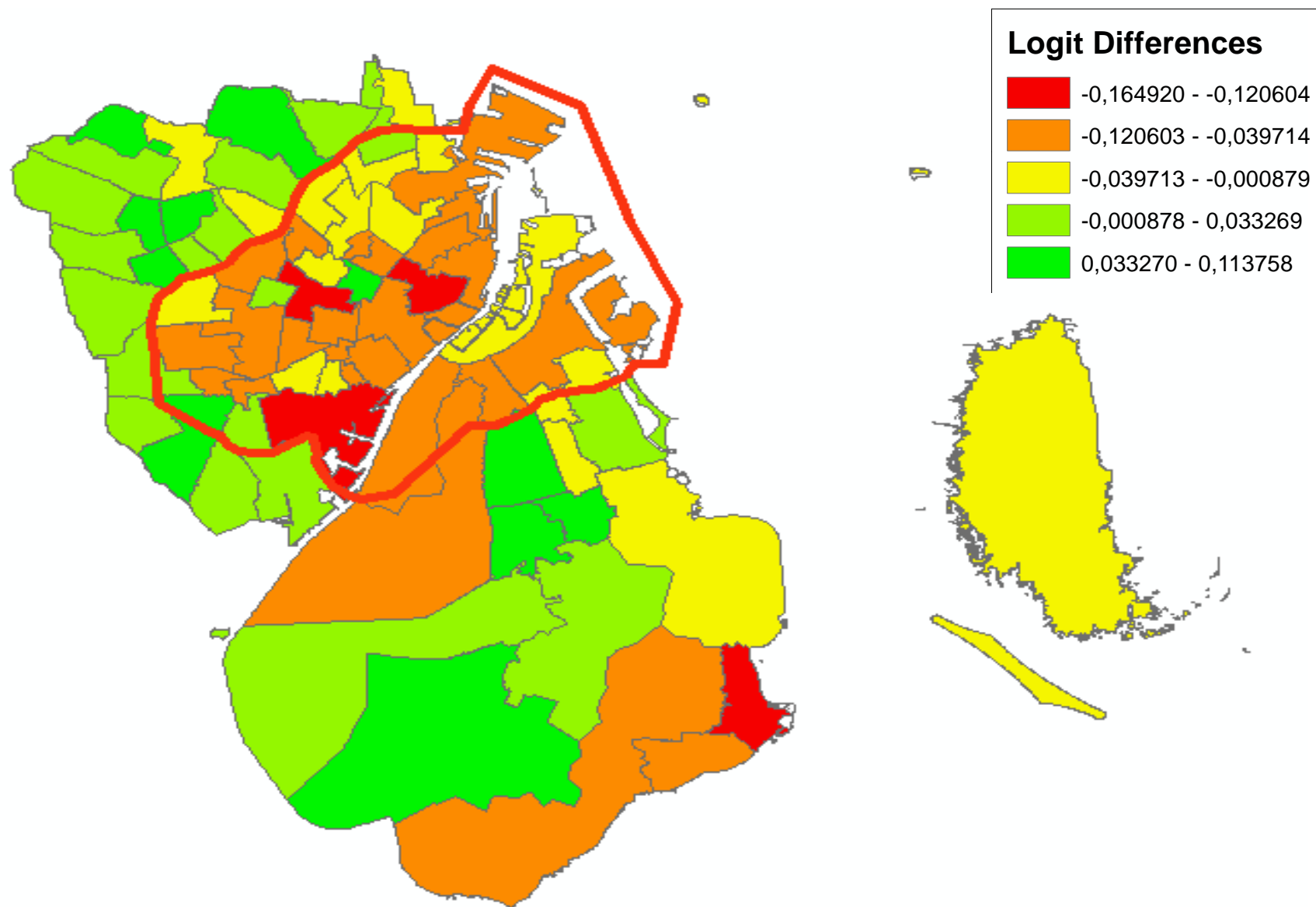


Logit vote share changes for Social Democrats 07-11



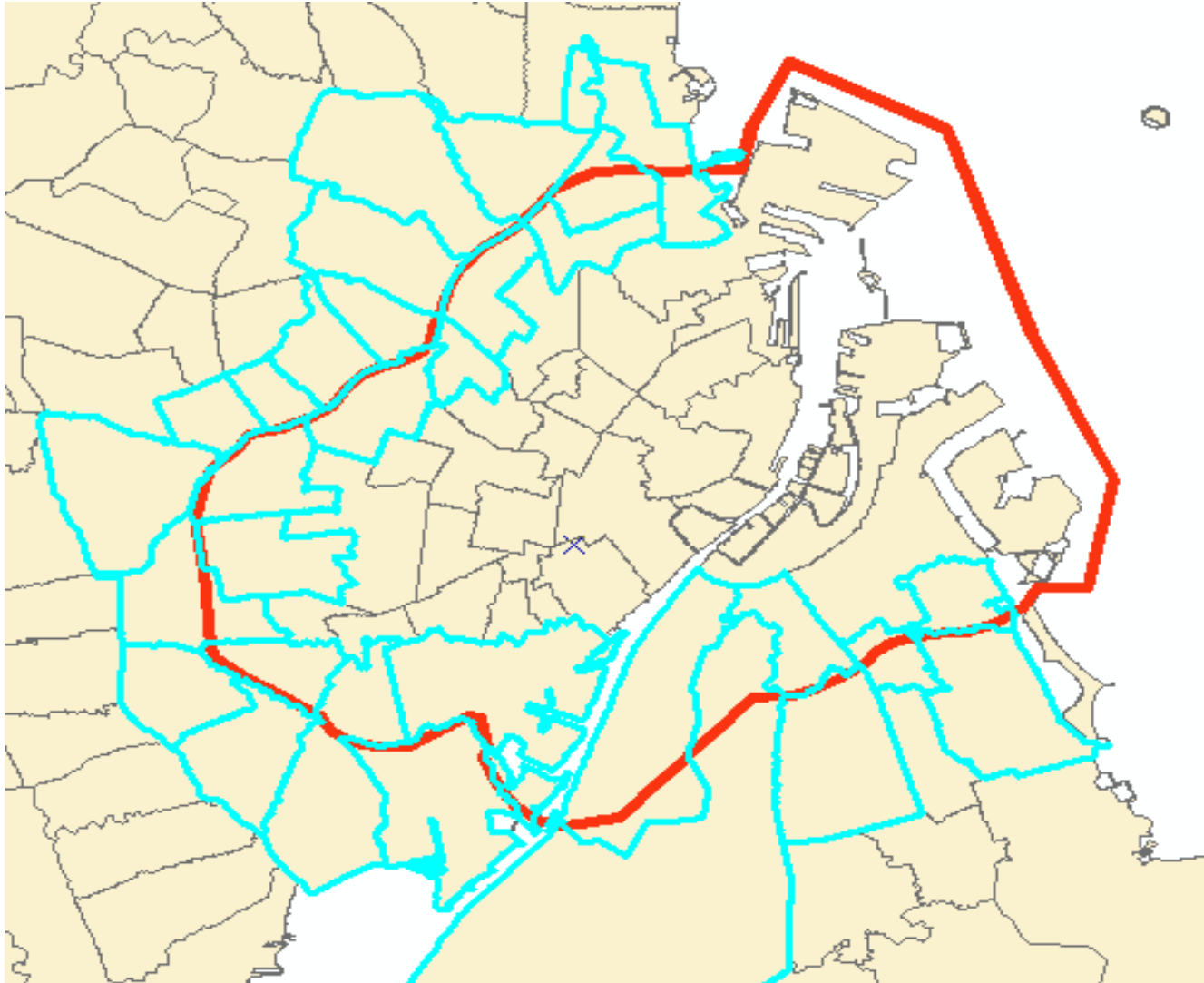
Centered change

Toll Ring and change in Social Democratic vote share adjusted for effect of personal votes



Potential area of toll ring impact

Toll ring band



No toll ring band effect on SD support

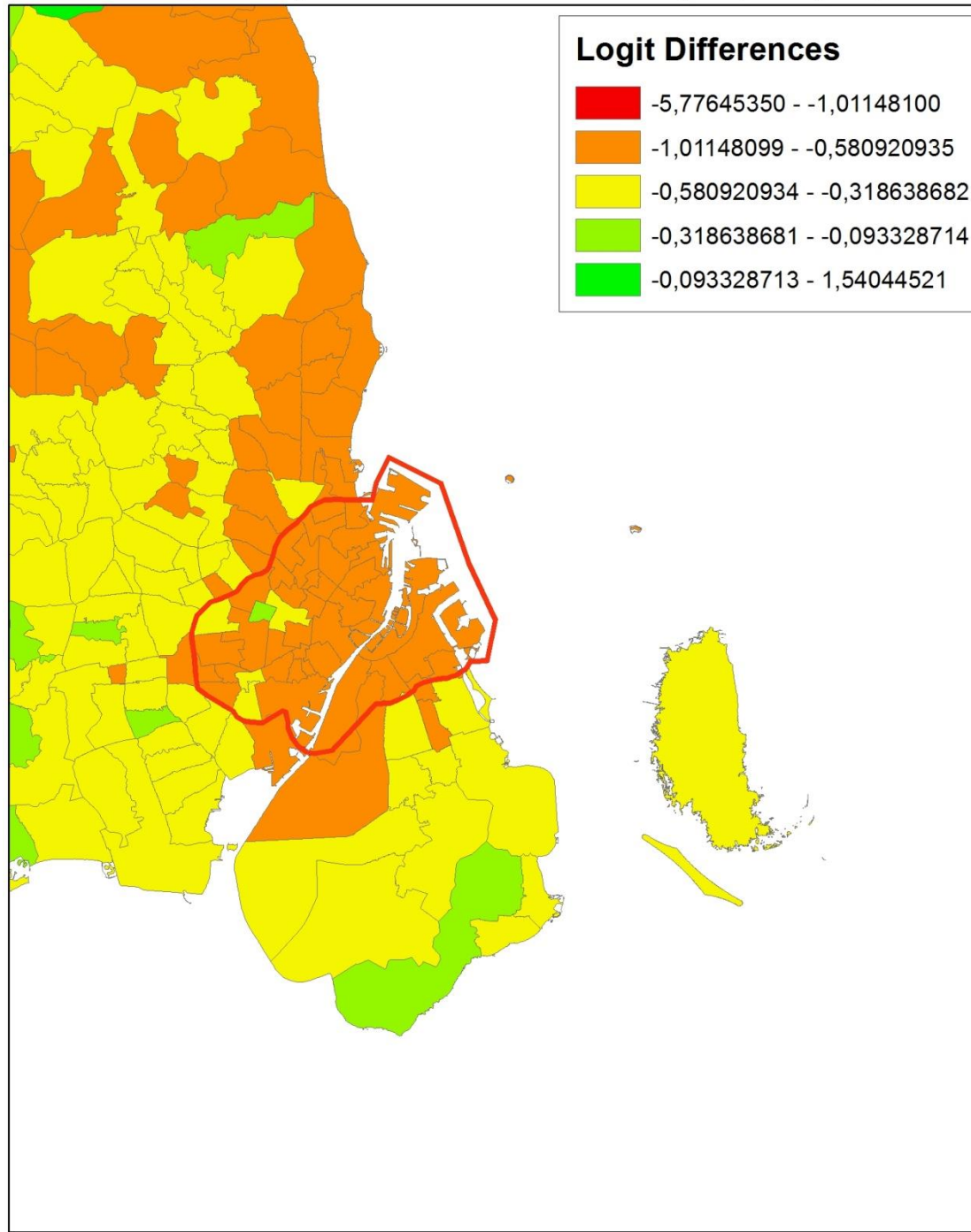
Regression analysis

	Logit vote share Difference Social Democrats (07-11)
Toll ring band	-0,0135 (0,0158)
Within band	-0,0625*** (0,0161)
Constant	0,00615 (0,0125)
<i>N</i>	71 Voting Stations
<i>R</i> ²	0,215
Adj. <i>R</i> ²	0,192

Standard errors in parentheses

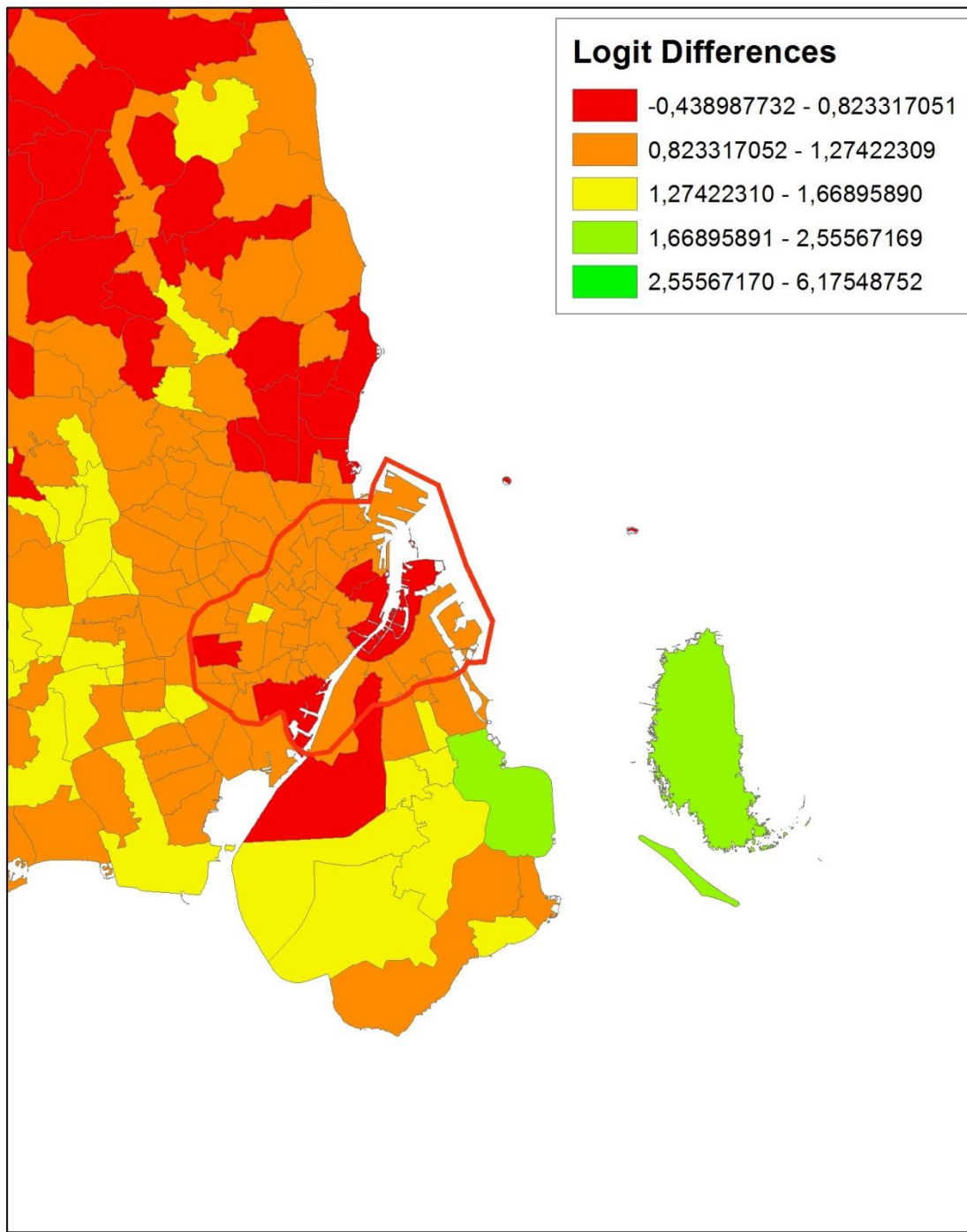
* $p < 0,05$, ** $p < 0,01$, *** $p < 0,001$

Change in logit vote share for socialist people's party



Centered change

Change in logit vote share for Red-Green Alliance

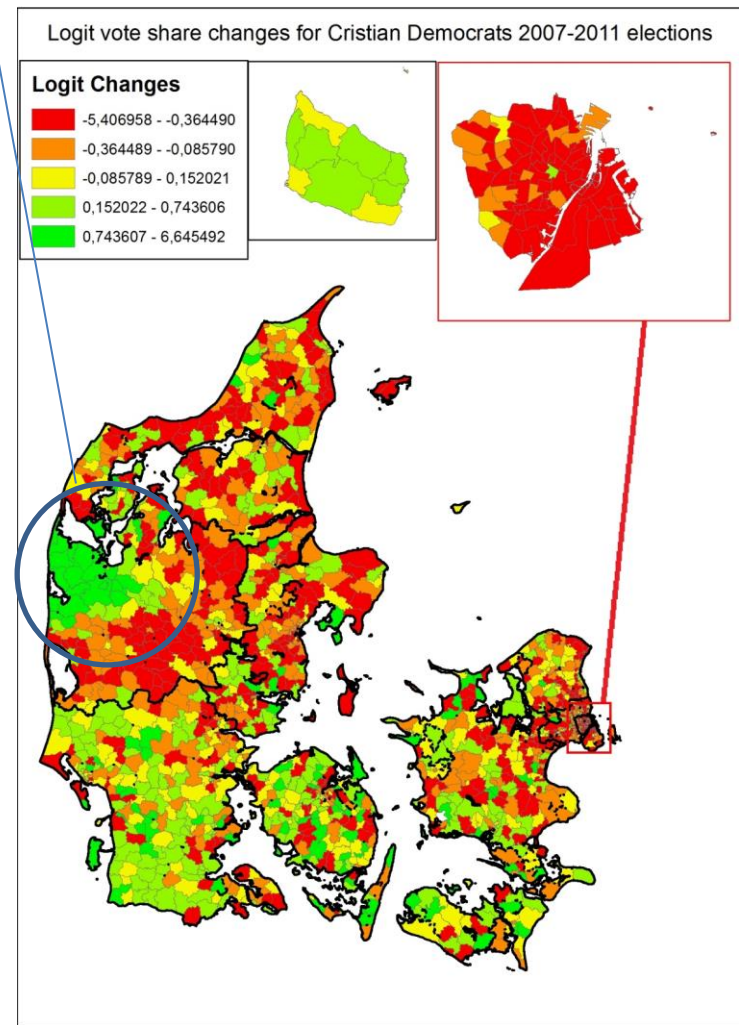
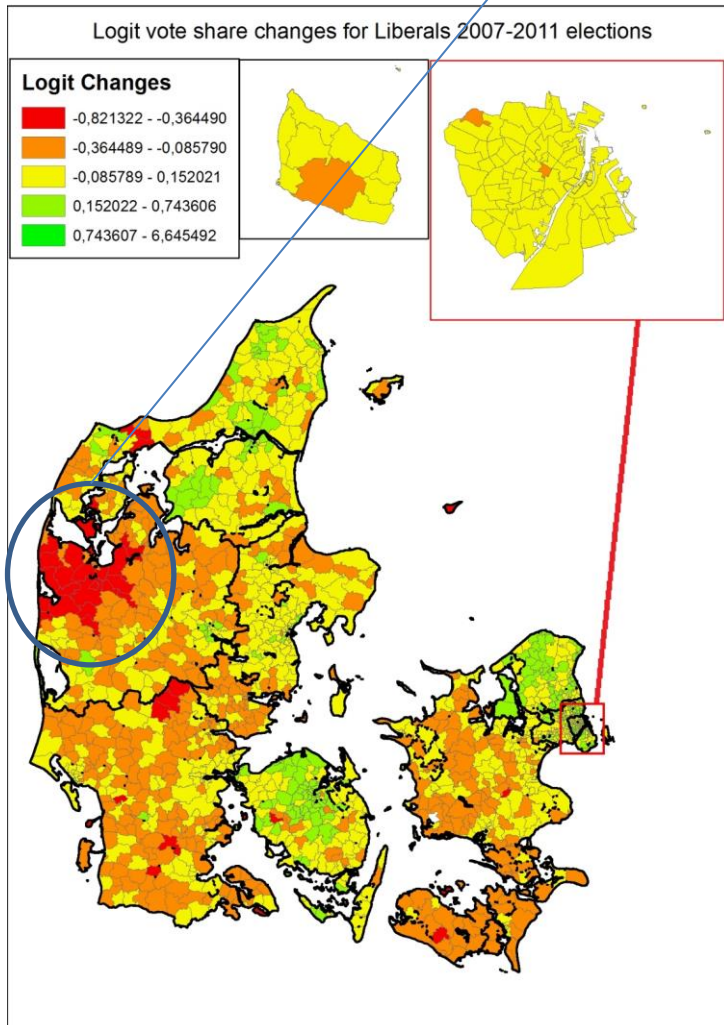


Centered change

The hospital strife in Western Jutland

A more obvious example

Transition of support from Liberals til Christian Democrats in Hospital strife



The end

Thank You