

## Codebook

"Electoral Backlash against Climate Policy: A Natural Experiment on Retrospective Voting and Local Resistance to Public Policy," *American Journal of Political Science*, Leah C. Stokes

Variable Name	Description	Primary Source
poll_id_07	Concatenation of district and poll number (precinct) in 2007. Unique ID.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
year	Election year.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
ed_id	District number.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
ed_name	District name.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
poll_id_11	Concatenation of district and poll number.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
poll_id_03	Concatenation of district and poll number.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
master_id	Concatenation of 2007 and 2011 poll ID. Unique ID.	Constructed in R using concatenate function.
area_m2_07	Size of precinct in 2007.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
area_m2_11	Size of precinct in 2011.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
area_m2_03	Size of precinct in 2003.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
redist	Binary variable indicating whether area has shifted since previous election year, comparing areas.	Calculated in R.
km2_07	Size of precinct in m2 divided by 1,000,000.	Calculated in R.
km2_11	Size of precinct in m2 divided by 1,000,000.	Calculated in R.
km2_03	Size of precinct in m2 divided by 1,000,000.	Calculated in R.
id_count	Number of times that unique precinct in that year enters into dataset.	Calculated in R using unique function.
electors	Number of eligible voters in precinct.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
voter_turnout	Number of voters who cast ballots in precinct.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
perc_turnout	Turnout percent: voter_turnout divided by electors.	Calculated.
votes_lib	Votes cast for Liberal Party.	<a href="http://www.elections.on.ca/en-ca">http://www.elections.on.ca/en-ca</a>
perc_lib	votes_lib divided by voter_turnout.	Calculated in R.
prop	Binary variable indicating whether there was a proposed turbine in that precinct in that year.	Constructed using wind turbine project documents, geolocated to specific precincts.
op	Binary variable indicating whether there was a operational turbine in that precinct in that year.	Constructed using wind turbine project documents, geolocated to specific precincts.

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Variable Name	Description	Primary Source
treat_p	Binary variable indicating whether there was ever a proposed turbine in that precinct in any year.	Calculated in R.
treat_o	Binary variable indicating whether there was ever an operational turbine in that precinct in any year.	Calculated in R.
op_1km	Binary variable indicating whether there is an operational turbine within 1 km of the precinct in that year.	Calculated in ArcGIS using 1 km buffer around operational turbine points.
op_2km	Binary variable indicating whether there is an operational turbine within 2 km of the precinct in that year.	Calculated in ArcGIS using 2 km buffer around operational turbine points.
op_3km	Binary variable indicating whether there is an operational turbine within 3 km of the precinct in that year.	Calculated in ArcGIS using 3 km buffer around operational turbine points.
op_4km	Binary variable indicating whether there is an operational turbine within 4 km of the precinct in that year.	Calculated in ArcGIS using 4 km buffer around operational turbine points.
op_5km	Binary variable indicating whether there is an operational turbine within 5 km of the precinct in that year.	Calculated in ArcGIS using 5 km buffer around operational turbine points.
op_6km	Binary variable indicating whether there is an operational turbine within 6 km of the precinct in that year.	Calculated in ArcGIS using 6 km buffer around operational turbine points.
prop_1km	Binary variable indicating whether there is a proposed turbine within 1 km of the precinct in that year.	Calculated in ArcGIS using 1 km buffer around proposed turbine points.
prop_2km	Binary variable indicating whether there is a proposed turbine within 2 km of the precinct in that year.	Calculated in ArcGIS using 2 km buffer around proposed turbine points.
prop_3km	Binary variable indicating whether there is a proposed turbine within 3 km of the precinct in that year.	Calculated in ArcGIS using 3 km buffer around proposed turbine points.
prop_4km	Binary variable indicating whether there is a proposed turbine within 4 km of the precinct in that year.	Calculated in ArcGIS using 4 km buffer around proposed turbine points.
prop_5km	Binary variable indicating whether there is a proposed turbine within 5 km of the precinct in that year.	Calculated in ArcGIS using 5 km buffer around proposed turbine points.

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Variable Name	Description	Primary Source
prop_6km	Binary variable indicating whether there is a proposed turbine within 6 km of the precinct in that year.	Calculated in ArcGIS using 6 km buffer around proposed turbine points.
treat_o_1km	Binary variable indicating whether there was ever an operational turbine within 1 km of that precinct in any year.	Calculated in R.
treat_o_2km	Binary variable indicating whether there was ever an operational turbine within 2 km of that precinct in any year.	Calculated in R.
treat_o_3km	Binary variable indicating whether there was ever an operational turbine within 3 km of that precinct in any year.	Calculated in R.
treat_o_4km	Binary variable indicating whether there was ever an operational turbine within 4 km of that precinct in any year.	Calculated in R.
treat_o_5km	Binary variable indicating whether there was ever an operational turbine within 5 km of that precinct in any year.	Calculated in R.
treat_o_6km	Binary variable indicating whether there was ever an operational turbine within 6 km of that precinct in any year.	Calculated in R.
treat_p_1km	Binary variable indicating whether there was ever a proposed turbine within 1 km of that precinct in any year.	Calculated in R.
treat_p_2km	Binary variable indicating whether there was ever a proposed turbine within 2 km of that precinct in any year.	Calculated in R.
treat_p_3km	Binary variable indicating whether there was ever a proposed turbine within 3 km of that precinct in any year.	Calculated in R.
treat_p_4km	Binary variable indicating whether there was ever a proposed turbine within 4 km of that precinct in any year.	Calculated in R.
treat_p_5km	Binary variable indicating whether there was ever a proposed turbine within 5 km of that precinct in any year.	Calculated in R.
treat_p_6km	Binary variable indicating whether there was ever a proposed turbine within 6 km of that precinct in any year.	Calculated in R.

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Variable Name	Description	Primary Source
avg_pwr	Average wind power in that precinct.	Calculated in ArcGIS. Data from Land Information Ontario, "Wind Resource Information", <a href="http://www.ontario.ca/environment-and-energy/land-information-ontario">http://www.ontario.ca/environment-and-energy/land-information-ontario</a>
count_pwr	Number of grid cells used to calculate avg_pwr in that precinct.	Calculated in ArcGIS. Data from Land Information Ontario, "Wind Resource Information", <a href="http://www.ontario.ca/environment-and-energy/land-information-ontario">http://www.ontario.ca/environment-and-energy/land-information-ontario</a>
pop	Population in 2001, 2006 and 2011 at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variable "Population, 20XX - 100% Data." <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
pop_denc	Population density in 2001, 2006 and 2011 at the Dissemination Area level, level, allocated to polling precincts.	pop divided by the size of the unit polygon in that year.
p_uni_degree	Percentage of the population in 2001, 2006 and 2011 with a university degree, at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variables: "University" divided by "Total population 20 years and over by highest level of schooling - 20% Sample Data". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
unemploy_rate	Unemployment rate in 2001, 2006 and 2011, at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variable: "Unemployment Rate". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
median_inc	Median income in 2000, 2005 and 2010, at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variable: "Median 20XX total income \$". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>

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Variable Name	Description	Primary Source
p_immigrant	Percentage of the population that are immigrants 2001, 2006 and 2011, at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variables: "Non-immigrant population" minus "Total population by immigrant status and place of birth - 20% Sample Data" divided by "Total population by immigrant status and place of birth - 20% Sample Data". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
avg_home_val	Average home value in 2001, 2006 and 2011, at the Dissemination Area level, allocated to polling precincts. Only the 2006, pre-treatment data is used, to match for the instrument pairs.	Data from Statistics Canada. Variable: "Average value of dwelling \$". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
p_housing_own	Percentage of residences owned in 2001, 2006 and 2011, at the Dissemination Area level, allocated to polling precincts.	Data from Statistics Canada. Variables: "Owned" divided by "Total number of occupied private dwellings - 20% Sample Data". <a href="http://www.statcan.gc.ca/start-debut-eng.html">http://www.statcan.gc.ca/start-debut-eng.html</a>
log_pop	The log of the variable "pop"	Calculated in R.
log_pop_denc	The log of the variable "pop_denc"	Calculated in R.
log_median_inc	The log of the variable "median_inc"	Calculated in R.
avg_home_val_log	The log of the variable "avg_home_val"	Calculated in R.
longitude	Longitude from midpoint of the precinct polygon.	Calculated in ArcGIS.
latitude	Latitude from midpoint of the precinct polygon.	Calculated in ArcGIS.
mindistlake	Shortest distance from any point in the precinct polygon to the great lakes.	Calculated in ArcGIS.
fed_id	District number and poll number (precinct) federally, concatenated.	<a href="http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e">http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e</a>
fed_dist	Federal district name.	<a href="http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e">http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e</a>

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Variable Name	Description	Primary Source
votes_lib_fed	Votes cast for Liberal Party, federally.	<a href="http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e">http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e</a>
turnout_fed	Number of voters who cast ballots in federal precinct.	<a href="http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e">http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e</a>
electors_fed	Number of eligible voters in federal precinct.	<a href="http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e">http://www.elections.ca/content.aspx?section=ele&amp;dir=pas&amp;document=index&amp;lang=e</a>
perc_lib_fed	votes_lib_fed divided by turnout_fed.	Calculated in R.
perc_turnout_fed	turnout_fed divided by electors_fed.	Calculated in R.