Online Appendix: Ballot paper format and vote spoiling at Polish local elections of 2014: A counterfactual analysis

Author(s)

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Appendices

Available online at Dataverse: https://dataverse.harvard.edu/privateurl.xhtml?token=e05d1b92-76f2-4388-b22d-f1dc1943ddc3

Appendix A: Distributions of the proportions of invalid votes

Data on the fractions of invalid votes in electoral districts for Polish commune elections in the period 1998-2014, retrieved from the National Electoral Commission in Poland: http://pkw.gov.pl/352_Wybory_i_referenda. The box-plots are plotted by Polish regions or provinces (*wojewodztwo*). There are 16 regions in Poland. *GM* stands for the county-status cities; *GP* stands for communes with at least 20,000 inhabitants; *GW* stands for the communes below 20,000 inhabitants.

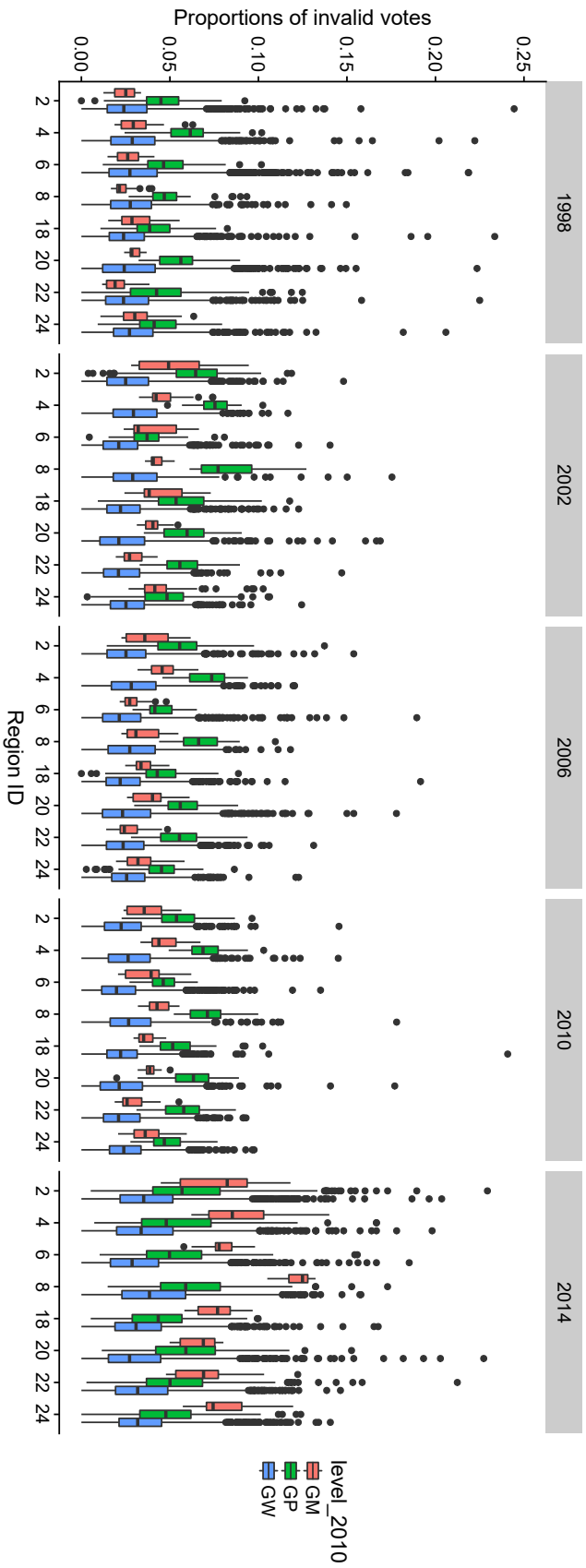

Figure 1: *Distributions of the proportions of invalid votes in constituencies, grouped by Polish regions [1]*

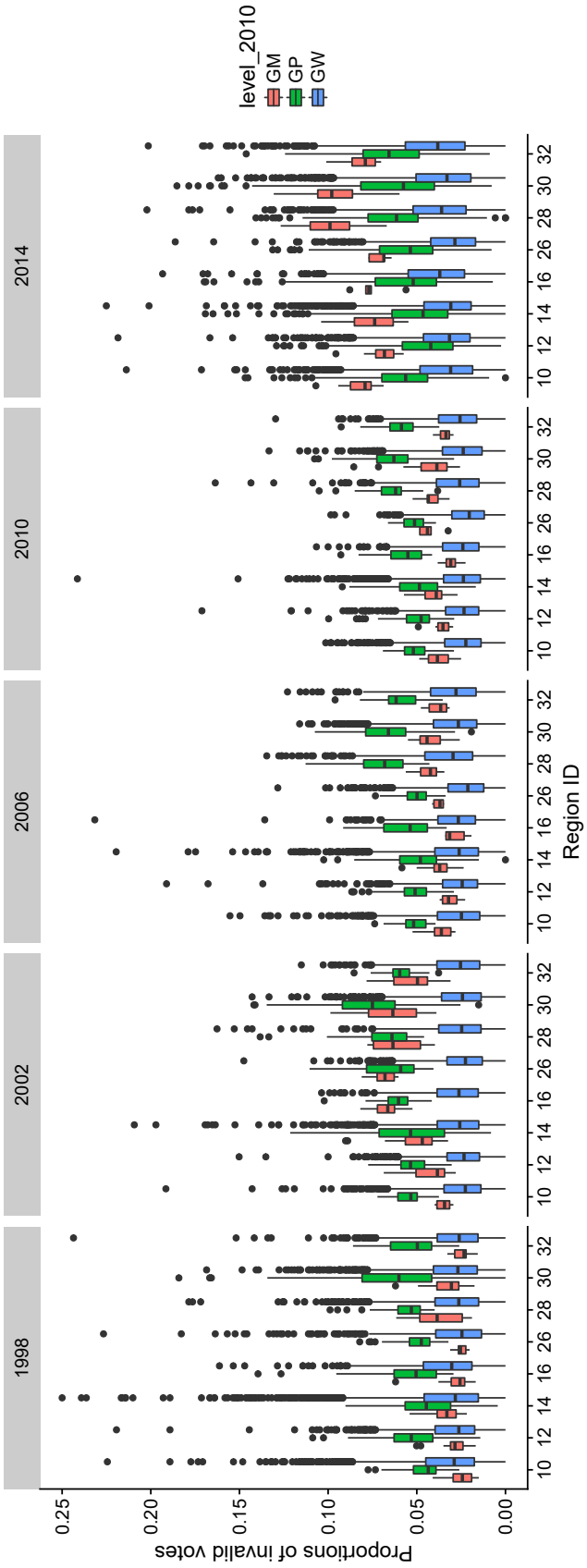

Figure 2: *Distributions of the proportions of invalid votes in constituencies, grouped by Polish regions [2]*