



Policy Recommendations from Gediz Electricity Intervention in Türkiye

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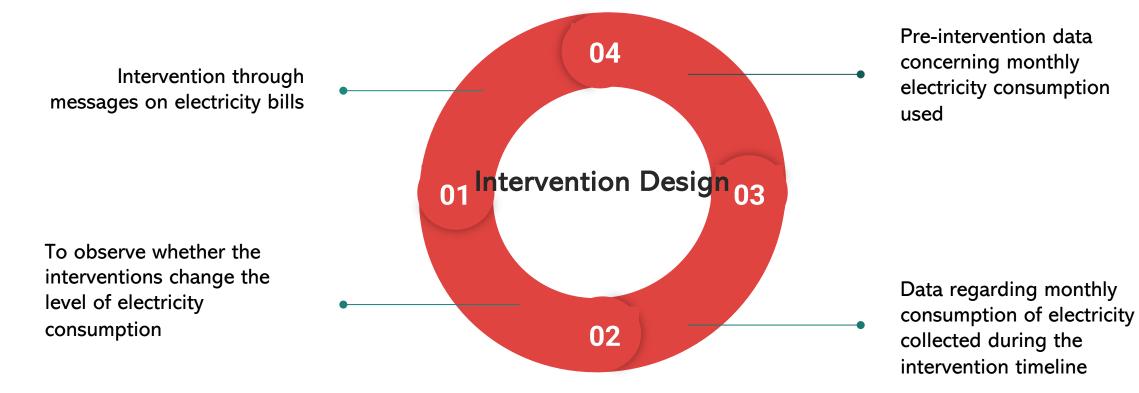
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GEDIZ ELECTRICITY INTERVENTION



•Intervention concerning behavioural change on energy savings

•Intervention timeline: November 2021 – February 2022



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INTERVENTION DETAILS

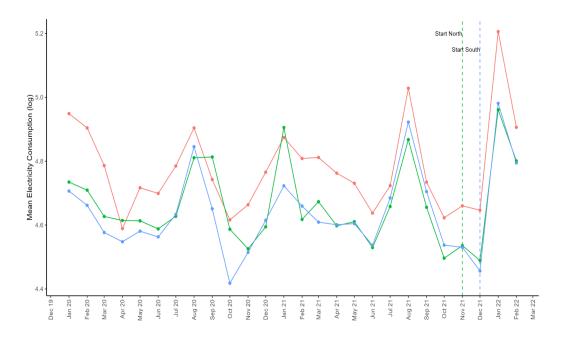


Experiment Group

- North Region (~ 115.000 households)
- Aliağa, Bergama, Dikili, Foça, Kınık, Menemen districts
- South Region (~ 22.000 households)
- Bayındır, Beydağ, Çeşme, Karaburun, Kemalpaşa, Kiraz, Menderes, Ödemiş, Tire, Torbalı, Urla districts

Control Group (~750.000 households)

- Izmir Metropolitan Area
- Bornova, Buca, Çiğli, Gaziemir, Güzelbahçe, Karabağlar, Konak, Karşıyaka, Narlıdere districts



Key result: Households in the experiment group has lower electricity consumption as compared to the households in the control group

Decrease of electricity consumption in:

- North region: ~1.9%
- South region: ~1.3%

Both effects are statistically significant.

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POLICY RECOMMENDATIONS



Electricity providers	Government Authorities	Local Authorities and Municipalities	Researchers
 Promote energy efficiency among consumers. Collaborate with relevant stakeholders to conduct research and develop strategies to increase energy efficiency and reduce electricity consumption. Engage with consumers innovatively, including energy-saving tips and information on electricity bills and web platforms. Invest in data analysis and research to understand consumer behavior and preferences better. Use this information to tailor energy efficiency messages and programs to different customer segments. Offer energy audits and efficiency assessments to consumers to identify areas for improvement in energy use. Provide recommendations for energy-saving measures. 	 Encourage electricity providers to participate in energy efficiency initiatives and interventions. Develop supportive regulations and incentives for companies investing in increasing energy efficiency and reducing electricity consumption. Encourage collaboration between government agencies and electricity providers to implement energy efficiency programs. Partner with electricity providers to create public awareness campaigns that educate consumers about the benefits of energy efficiency and ways to reduce consumption. 	 Invest in sustainable public transport systems and promote the adoption of electric vehicles (electric buses and eferries) Develop and enforce building codes that require new construction to meet energy efficiency standards. Provide incentives for retrofitting existing buildings to meet these standards. Actively engage with local communities to raise awareness of energy efficiency. Collaborate with electricity providers and academic institutions to organize local energy-saving campaigns. Promote partnerships between local governments, academia and electricity providers to conduct research, share best practices and jointly develop tailored energy efficiency programs. 	 Conduct in-depth research on consumer behaviour related to energy consumption. Collaborate with electricity providers, public authorities and local governments to research energy consumption, effectiveness of interventions and consumer behaviour. Use data analytics and advanced modelling techniques to learn about electricity consumption patterns and factors influencing energy efficiency and energy-saving behaviours. Encourage interdisciplinary collaborations involving energy experts, environmental scientists, economists and behavioural scientists to address complex energy challenges comprehensively.







THANKS!





