

Supplementary material for:

Sousa, Adriano Casemiro Nogueira Campos. Environment and climate change in Brazil: similarities and differences in public opinion based on political identity. *Desenvolvimento e Meio Ambiente*, 66, 180-207, 2025. doi: <http://dx.doi.org/10.5380/dma.v66i.94264>.

TABLE MS1 – Results of Z-tests for statistical significance of differences between groups (p-values)

Question	Variables	Left vs Center	Center vs Right	Left vs Right
Concern for the environment	Very concerned	3.50E-04**	4.64E-03**	1.96E-12**
Opinion on whether Lula government will be better, the same, or worse than Bolsonaro's regarding environmental preservation	Will be better	2.20E-16**	9.43E-16**	2.20E-16**
	Will be the same	2.20E-16**	6.31E-03**	1.82E-14**
	Will be worse	1.28E-04**	2.20E-16**	2.20E-16**
Dilemma between environmental protection and economic growth	Prioritizing environmental protection over economic growth	0.2361	2.86E-07**	2.49E-11**
	Prioritizing economic growth over environmental protection	0.3614	1.08E-06**	9.81E-10**
Self-reported environmental attitudes	Recycling	0.2861	0.01754*	0.2346
	Use of clean energy	0.1661	0.1266	1
	Conscious consumption	0.5474	1.39E-03**	0.01032*
	Participation in protests/petitions	1.77E-06**	0.0434*	2.20E-16**
	Voting for pro-environment candidates	7.15E-07**	1.42E-03**	2.20E-16**
	Donations to environmental organizations	0.01587*	0.04043**	5.59E-04**
	Sharing environmental information/news	0.01452*	2.85E-04**	6.46E-08**
Perception of global warming	Belief in global warming	1	5E-04**	5E-04**
	Denial of global warming	0.4686	3.64E-03**	9.5E-05**
Perception of the causes of global warming	Attribution to human activity	0.01519	3.04E-06**	6.61E-14**
	Attribution to natural causes	0.2737	1.04E-04**	1.88E-08**
	Attribution to both human and natural causes	0.1327	0.6467	0.02394*
Perception of scientists' opinions on global warming	Most scientists believe global warming is happening	1.08E-03**	4.34E-04**	5.31E-10**
	Scientists strongly disagree on whether global warming is happening	1.49E-03**	0.1995	1.08E-03**
	Most scientists believe global warming is not happening	0.1283	8.84E-03**	1.24E-05**
Perception of the harmfulness of global warming for future generations	Global warming will harm future generations a lot	0.03701*	0.01511*	1.38E-03**
	Global warming will somewhat harm future generations	0.5897	1	0.5204
	Global warming will harm future generations a little	2.8E-03**	0.4691	8.35E-05**
	Global warming will not harm future generations at all	0.2706	0.06219	1.36E-03**
	Global warming will harm oneself and one's family a lot	3.54E-03**	0.02611*	2.05E-05**
Perception of the harmfulness of global warming for oneself and one's family	Global warming will somewhat harm oneself and one's family	0.215	0.6876	0.3477

	Global warming will harm oneself and one's family a little	1.28E-03**	0.1005	2.75E-07**
	Global warming will not harm oneself and one's family at all	0.3928	0.01789*	4.95E-04**
Perception of the trend of Amazon wildfires over the last decade	Wildfires have increased	1.64E-03**	8.44E-10**	2.20E-16**
	Wildfires have remained the same	4.11E-04**	0.3113	9.53E-04**
	Wildfires have decreased	0.01396*	8.52E-11**	2.20E-16**
Perception of the causes of Amazon wildfires	Wildfires are caused by natural environmental changes	0.02869*	0.1266	5.39E-05**
	Wildfires are caused by human activity	2.35E-03**	0.02266*	7.43E-09**
	Wildfires are caused by both human and natural factors	0.07182	0.6826	0.01136*
Perception of who is responsible for Amazon wildfires	Small farmers	0.4745	0.1124	0.0113*
	Large-scale farmers	1	0.0344*	0.02819*
	Cattle ranchers and livestock producers	3.59E-04**	1.19E-04*	3.54E-13**
	Loggers	0.02873*	1.49E-03**	0.4464
	Indigenous peoples	0.04244*	0.07229	4.15E-05**
	Environmental NGOs	4.84E-04**	0.02428*	3.41E-06*
	Politicians	0.3189	0.2675	1
	Illegal miners	0.116	0.3039	3.35E-03**
	Other responsible parties	0.02869*	1	0.01399*
Agreement with statements about Amazon deforestation	Deforestation in the Amazon harms the quality of life of the local population	0.2737	7.18E-03**	4.20E-06**
	Deforestation in the Amazon is a threat to the global climate and environment	0.5596	7.09E-03**	7.47E-05**
	Deforestation in the Amazon damages Brazil's international image	0.6138	3.16E-11**	5.72E-11**
	Deforestation in the Amazon may harm Brazil's trade relations with other countries	0.01695*	4.27E-04**	4.33E-07**
	Deforestation in the Amazon is necessary for economic growth	0.3189	0.06185	0.4623

LEGEND: *: statistically significant ($p < 0.05$); **: highly statistically significant ($p < 0.01$).

SOURCE: Own elaboration based on the "Climate Change and Public Perception in Brazil" survey (ITS-Yale-Ipec, 2023).