

Supplementary Materials: Environmental Impact of Subsidy Concepts to Stimulate Car Sales in Germany

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Table S1. Direct CO₂ emissions per kilometer

segment		before 2003	2003-2007	2008-2009	2010-2011	2012-2013	2014-2015	2016-2017	2018-2020
mini class	petrol	146	126	119	113	110	108	108	108
	diesel	106	106	102	103	104	120	110	110
small class	petrol	146	147	139	131	124	115	112	112
	diesel	175	124	118	109	106	97	99	99
compact class	petrol	175	169	156	147	133	127	125	125
	diesel	144	144	133	123	114	108	109	109
middle class	petrol	187	196	178	169	155	145	148	148
	diesel	148	166	153	139	131	122	120	120
upper middle class	petrol	230	223	204	186	176	173	166	166
	diesel	159	195	172	154	145	135	129	129
upper class	petrol	263	278	269	235	228	228	222	222
	diesel	216	228	208	183	168	162	154	154
SUVs	petrol	234	234	209	182	156	142	172	172
	diesel	228	228	199	173	147	135	155	155
mini vans	petrol	169	169	162	152	136	134	133	133
	diesel	151	151	148	139	118	113	111	111
large vans	petrol	191	191	181	163	140	138	143	143
	diesel	172	172	170	154	137	133	136	136

Table S2. Fuel consumption per 100 kiplometer

Segments		before 2003	2003-2007	2008-2009	2010-2011	2012-2013	2014-2015	2016-2017	2018-2020
mini class	petrol	5.1	5.1	5.1	4.9	4.7	4.7	4.6	4.6
	diesel	3.9	3.9	3.9	3.9	3.9	4.4	4.2	4.2
small class	petrol	6	6	6	5.6	5.4	5.2	4.8	4.8
	diesel	4.5	4.5	4.5	4.1	4	3.8	3.7	3.7
compact class	petrol	6.7	6.7	6.7	6.3	5.7	5.5	5.4	5.4
	diesel	5	5	5	4.7	4.3	4.1	4.1	4.1
middle class	petrol	7.7	7.7	7.7	7.3	6.7	6.4	6.4	6.4
	diesel	5.8	5.8	5.8	5.2	4.9	4.8	4.5	4.5
upper middle class	petrol	8.8	8.8	8.8	8	7.6	7.6	7.2	7.2
	diesel	6.5	6.5	6.5	5.8	5.5	5.3	4.9	4.9
upper class	petrol	11.6	11.6	11.6	10.1	9.8	9.9	9.6	9.6
	diesel	7.8	7.8	7.8	6.9	6.3	6.2	5.8	5.8
SUVs	petrol	9	9	9	7.8	6.7	6.4	6	6
	diesel	7.5	7.5	7.5	6.5	5.6	5.3	4.9	4.9
mini vans	petrol	7	7	7	6.5	5.8	5.8	5.7	5.7
	diesel	5.6	5.6	5.6	5.2	4.4	4.3	4.2	4.2
large vans	petrol	7.8	7.8	7.8	7	6	6	6.2	6.2
	diesel	6.4	6.4	6.4	5.8	5.2	5	5.1	5.1

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