

Supplementary material - French Attitudes over Climate Change and Climate Policies

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1 Test different wording for winners and losers

Table 1.1: Effect of defining winners/losers in terms of purchasing power

	<i>Dependent variable:</i>			
	Poors expected to win (1)	City dwellers expected to win (2)	Rich expected to lose (3)	Rural expected to lose (4)
Constant	0.058*** (0.007)	0.207*** (0.010)	0.009*** (0.003)	0.352*** (0.012)
In purchasing power	0.045*** (0.010)	-0.029** (0.014)	0.015*** (0.005)	-0.014 (0.017)
Observations	3,002	3,002	3,002	3,002
R ²	0.007	0.001	0.003	0.0002

*p<0.1; **p<0.05; ***p<0.01

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2 Additional specifications for determinants of attitudes

Table 2.1: Determinants of attitudes towards diesel taxation

	Acceptance increase in diesel taxation			
	(1)	(2)	(3)	(4)
Knowledge on CC	0.045*** (0.008)			
Ecologist	0.083*** (0.023)			
Yellow Vests: PNR	-0.041 (0.030)		-0.068** (0.034)	
Yellow Vests: understands	-0.099*** (0.021)		-0.134*** (0.023)	
Yellow Vests: supports	-0.188*** (0.022)		-0.289*** (0.024)	
Yellow Vests: is part	-0.162*** (0.040)		-0.300*** (0.045)	
Left-right: Extreme-left	0.083 (0.052)			0.076 (0.060)
Left-right: Left	0.033 (0.025)			0.025 (0.024)
Left-right: Center	0.016 (0.028)			0.081*** (0.029)
Left-right: Right	-0.045* (0.027)			-0.060** (0.026)
Left-right: Extreme-right	-0.030 (0.031)			-0.180*** (0.033)
Size of town: -20k	-0.001 (0.025)	0.002 (0.025)		
Size of town: 20-100k	0.013 (0.027)	0.016 (0.027)		
Size of town: +100k	0.069*** (0.025)	0.106*** (0.022)		
Size of town: Paris	0.084** (0.041)	0.143*** (0.026)		
Diesel	-0.371*** (0.023)	-0.474*** (0.016)		
Gasoline	0.152*** (0.022)			
Number vehicles	-0.022 (0.019)			
Frequency of public transit	0.001 (0.007)			
Additional covariates	✓			
Observations	3,002	3,002	3,002	3,002
R ²	0.357	0.271	0.054	0.018

*p<0.1; **p<0.05; ***p<0.01

NOTE: Standard errors are reported in parentheses. Omitted variables are *Yellow Vests: opposes*, *Age : 18 – 24* and *Left-right: Indeterminate*. Additional covariates are defined in Appendix C.

Table 2.2: Effect of being treated on acceptance of shale gas exploitation

	<i>Dependent variable: Shale gas exploitation: not “No”</i>		
	(1) <i>OLS</i>	(2) <i>OLS</i>	(3) <i>logistic</i>
District concerned	−0.039** (0.019)	−0.054** (0.024)	−0.059** (0.024)
Controls: Socio-demographics, scores		✓	✓
Observations	2,847	2,847	2,847
R ²	0.001	0.047	

*p<0.1; **p<0.05; ***p<0.01

Table 2.3: Determinants of attitudes towards climate policies, additional specifications

	Share of policies		Tax & dividend
	(1)	(2)	(3)
Knowledge on CC	0.056*** (0.005)		
CC is disastrous	0.091*** (0.010)		
Diploma (1 to 4)	0.006 (0.004)		
Age: 25 – 34	−0.039** (0.018)		
Age: 35 – 49	−0.019 (0.017)		
Age: 50 – 64	0.005 (0.017)		
Age: ≥ 65	0.045** (0.018)		
Income (k€/month)	0.004 (0.002)		
Sex: Male	−0.007 (0.009)		
Size of town (1 to 5)	0.008** (0.004)		
Frequency of public transit	0.017*** (0.004)		
Left-right: Extreme-left		0.072** (0.033)	−0.065 (0.057)
Left-right: Left		0.040*** (0.013)	0.031 (0.022)
Left-right: Center		0.071*** (0.015)	0.090*** (0.026)
Left-right: Right		0.029** (0.014)	−0.037 (0.024)
Left-right: Extreme-right		−0.061*** (0.018)	−0.155*** (0.031)
Observations	3,002	3,002	3,002
R ²	0.142	0.018	0.017

*p<0.1; **p<0.05; ***p<0.01

NOTE: Standard errors are reported in parentheses. Omitted variables are *Yellow Vests: opposes*, *Age : 18 – 24* and *Left-right: Indeterminate*. Additional covariates are defined in Appendix C.

3 Logit regressions for determinants

Table 3.1: Determinants of attitudes towards climate change (CC) with logit regressions

	CC is anthropic			CC is disastrous	
	(1)	(2)	(3)	(4)	(5)
Interest in politics (0 to 2)	0.034*** (0.013)			0.045*** (0.014)	
Ecologist	0.144*** (0.021)			0.186*** (0.027)	
Yellow Vests: PNR	-0.097*** (0.036)			-0.069** (0.034)	
Yellow Vests: understands	-0.034 (0.023)			-0.040* (0.024)	
Yellow Vests: supports	-0.101*** (0.025)			-0.052** (0.025)	
Yellow Vests: is part	-0.196*** (0.047)			-0.079* (0.044)	
Left-right: Extreme-left	0.121** (0.047)			0.070 (0.064)	
Left-right: Left	0.088*** (0.025)		-0.035 (0.071)	0.104*** (0.030)	-0.011 (0.066)
Left-right: Center	0.011 (0.030)		-0.079 (0.083)	0.030 (0.032)	-0.074 (0.075)
Left-right: Right	-0.031 (0.029)		-0.120 (0.096)	-0.029 (0.031)	-0.140 (0.090)
Left-right: Extreme-right	-0.012 (0.034)		-0.118 (0.116)	0.023 (0.038)	-0.084 (0.106)
Diploma: <i>CAP</i> or <i>BEP</i>	0.042** (0.020)		0.017 (0.027)	-0.022 (0.025)	-0.011 (0.033)
Diploma: <i>Baccalauréat</i>	0.063*** (0.024)		0.109*** (0.028)	0.025 (0.029)	0.148*** (0.035)
Diploma: Higher	0.093*** (0.025)		0.160*** (0.025)	0.095*** (0.031)	0.229*** (0.031)
Diploma × Left-right			-0.010 (0.008)		-0.004 (0.009)
Age: 25 – 34	0.048 (0.042)	-0.040 (0.041)		0.018 (0.047)	
Age: 35 – 49	-0.008 (0.043)	-0.113*** (0.035)		0.026 (0.045)	
Age: 50 – 64	0.005 (0.045)	-0.116*** (0.034)		-0.036 (0.047)	
Age: ≥ 65	-0.095* (0.057)	-0.228*** (0.035)		-0.087 (0.056)	
Income (k€/month)	-0.011 (0.008)			-0.010 (0.009)	
Sex: Male	-0.024 (0.018)			0.003 (0.019)	
Size of town (1 to 5)	0.006 (0.008)			0.007 (0.008)	
Frequency of public transit	0.012 (0.007)			0.007 (0.008)	
Additional covariates	✓			✓	
Observations	3,002	3,002	1,813	3,002	1,813

*p<0.1; **p<0.05; ***p<0.01

NOTE: Average marginal effects are reported, with standard errors in parentheses. Interaction term is computed using numeric variables. Omitted modalities are: *Yellow Vests: opposes*, *Left-right: Indeterminate*, *Diploma: Brevet or no diploma*, *Age: 18 – 24*. Additional covariates are defined in Appendix C.

Table 3.2: Determinants of attitudes towards climate policies with logit regressions

	Tax & dividend		Share of policies	Ecological lifestyle
	(1)	(2)	(3)	(4)
Knowledge on CC	0.012*** (0.004)	0.020*** (0.004)	0.018*** (0.004)	0.036*** (0.004)
CC is disastrous	0.022 (0.017)	0.034* (0.018)	0.081*** (0.020)	0.138*** (0.018)
Interest in politics (0 to 2)	−0.019 (0.013)		0.032** (0.014)	0.028** (0.013)
Ecologist	0.107*** (0.025)		0.077*** (0.028)	0.174*** (0.023)
Yellow Vests: PNR	−0.022 (0.028)		−0.054 (0.036)	−0.087** (0.034)
Yellow Vests: understands	−0.117*** (0.018)		−0.025 (0.024)	−0.009 (0.022)
Yellow Vests: supports	−0.207*** (0.019)		−0.050* (0.026)	−0.020 (0.024)
Yellow Vests: is part	−0.177*** (0.028)		−0.079* (0.047)	−0.026 (0.042)
Left-right: Extreme-left	−0.035 (0.055)		0.022 (0.065)	0.085 (0.055)
Left-right: Left	0.070*** (0.027)		−0.003 (0.030)	0.039 (0.027)
Left-right: Center	0.051* (0.029)		0.013 (0.033)	0.096*** (0.028)
Left-right: Right	−0.022 (0.027)		0.009 (0.032)	0.010 (0.028)
Left-right: Extreme-right	−0.076** (0.034)		−0.023 (0.039)	0.010 (0.033)
Diploma (1 to 4)	−0.002 (0.009)	0.003 (0.008)	0.007 (0.010)	−0.007 (0.009)
Age: 25 – 34	−0.039 (0.038)	−0.079*** (0.028)	−0.024 (0.048)	0.032 (0.042)
Age: 35 – 49	−0.041 (0.037)	−0.068** (0.026)	−0.015 (0.046)	0.050 (0.040)
Age: 50 – 64	−0.044 (0.040)	−0.078*** (0.027)	−0.002 (0.049)	0.058 (0.042)
Age: ≥ 65	−0.066 (0.046)	−0.075*** (0.028)	0.0003 (0.058)	0.015 (0.051)
Income (k€/month)	0.0002 (0.008)	0.001 (0.004)	0.010 (0.009)	−0.005 (0.009)
Sex: Male	−0.050*** (0.017)	−0.070*** (0.017)	−0.027 (0.020)	−0.066*** (0.018)
Size of town (1 to 5)	0.021*** (0.008)	0.035*** (0.007)	0.001 (0.009)	−0.005 (0.008)
Frequency of public transit	−0.006 (0.007)	0.012* (0.006)	−0.003 (0.008)	0.023*** (0.008)
Additional covariates	✓		✓	✓
Observations	3,002	3,002	3,002	3,002

*p<0.1; **p<0.05; ***p<0.01

NOTE: Average marginal effects are reported, with standard errors in parentheses. Interaction term is computed using numeric variables. Omitted modalities are: *Yellow Vests: opposes*, *Left-right: Indeterminate*, *Diploma: Brevet or no diploma*, *Age: 18 – 24*. Additional covariates are defined in Appendix C.

4 Robustness for the absence of cultural cognition effect

Table 4.1: Robustness of the absence interaction on perceived effects between political orientation and knowledge.

	CC is disastrous		
	(1)	(2)	(3)
Constant	0.404*** (0.035)	-0.050 (0.093)	-0.113** (0.049)
Yellow Vests: PNR	-0.049 (0.041)		-0.017 (0.044)
Yellow Vests: understands	-0.013 (0.034)		0.006 (0.039)
Yellow Vests: supports	-0.020 (0.051)		0.012 (0.064)
Yellow Vests: is part	-0.049 (0.079)		0.040 (0.093)
Left-right: Left		0.013 (0.067)	
Left-right: Center		-0.035 (0.086)	
Left-right: Right		-0.061 (0.107)	
Left-right: Extreme-right		0.024 (0.128)	
Diploma: <i>CAP</i> or <i>BEP</i>	-0.029 (0.024)		
Diploma: <i>Baccalauréat</i>	0.109*** (0.027)		
Diploma: Higher	0.203*** (0.024)		
Knowledge CC		0.069*** (0.004)	0.074*** (0.003)
Diploma \times Yellow Vests	-0.001 (0.009)		
Knowledge CC \times Left-right		-0.003 (0.004)	
Knowledge CC \times Yellow Vests			-0.001 (0.004)
Observations	3,002	1,813	3,002
R ²	0.039	0.137	0.144

*p<0.1; **p<0.05; ***p<0.01

NOTE: Standard errors are reported in parentheses. Interaction term is computed using numeric variables. Omitted modalities are: *Yellow Vests: opposes*, *Left-right: Extreme-left*, *Diploma: Brevet or no diploma*.