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Appendix

Paper title:

Public overconfidence in understanding food date labeling undermines our efforts to reduce food waste

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S. Table list

Table S1

Heterogeneity results of the relationship between knowledge deviation and food waste behavior

Variables	(1) Eastern	(2) Central	(3) Western	(4) Lower-Edu.	(5) Higher-Edu.	(6) Female	(7) Male
<i>Deviation index₁</i>	-0.430*** (0.136)	-0.593*** (0.146)	-0.444*** (0.160)	-0.474*** (0.176)	-0.504*** (0.097)	-0.434*** (0.113)	-0.580*** (0.128)
<i>Regions</i>	/	/	/	YES	YES	YES	YES
<i>Education levels</i>	YES	YES	YES	/	/	YES	YES
<i>Food types</i>	YES	YES	YES	YES	YES	/	/
Control variables	YES						
Constant	-1.837* (1.098)	1.095 (1.151)	-1.061 (1.084)	2.538** (1.232)	-0.685 (0.782)	-0.341 (0.840)	-0.594 (1.034)
R-squared	0.111	0.073	0.052	0.065	0.084	0.101	0.058
Observations	1,355	1,286	1,274	805	3,110	2,194	1,721

Notes: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1.

Table S2

Robustness tests of the fixed effects model.

Variables	(a)	(b)	(c)	(d)
	<i>OK</i>	<i>FW_I</i>	<i>OK</i>	<i>FW_I</i>
<i>post</i>	0.434*** (0.013)	1.444*** (0.072)	0.136 (0.172)	-1.355 (0.978)
<i>Subjective knowledge*post</i>			-0.051* (0.029)	-0.408** (0.171)
Constant	0.208*** (0.006)	-0.116*** (0.036)	0.208*** (0.006)	-0.116*** (0.036)
Control variables	YES	YES	YES	YES
<i>R</i> -squared	0.344	0.154	0.344	0.174
Observations	4,378	4,378	4,378	4,378

Notes: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1.

“OK” is short for “objective knowledge.”

Table S3

Regional heterogeneities in the hindering effects on subjective knowledge

Variables	Eastern		Central		Western	
	(1)	(2)	(3)	(4)	(5)	(6)
<i>post</i>	0.440*** (0.023)	0.402 (0.313)	0.436*** (0.023)	0.081 (0.334)	0.457*** (0.022)	0.138 (0.297)
<i>SK*post</i>		0.052 (0.050)		-0.081 (0.053)		-0.130*** (0.050)
<i>Regions</i>	/	/	/	/	/	/
Control variables	YES	YES	YES	YES	YES	YES
Constant	0.207*** (0.011)	0.207*** (0.011)	0.202*** (0.012)	0.202*** (0.011)	0.203*** (0.011)	0.203*** (0.011)
<i>R</i> -squared	0.339	0.385	0.342	0.397	0.382	0.448
Observations	1,442	1,442	1,368	1,368	1,340	1,340

Notes: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1.

Table S4.

Education levels and gender heterogeneities in the hindering effects on subjective knowledge

Variables	Lower-Edu.		Higher-Edu.		Female		Male	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>post</i>	0.404*** (0.030)	-0.313 (0.386)	0.454*** (0.015)	0.363* (0.211)	0.453*** (0.017)	0.284 (0.239)	0.431*** (0.021)	0.087 (0.280)
<i>SK*post</i>		-0.036 (0.069)		-0.057* (0.033)		-0.096** (0.039)		0.011 (0.046)
<i>Education levels</i>	/	/	/	/	YES	YES	YES	YES
<i>Gender</i>	YES	YES	YES	YES	/	/	/	/
Control variables	YES							
Constant	0.195*** (0.015)	0.195*** (0.015)	0.206*** (0.007)	0.206*** (0.007)	0.205*** (0.009)	0.205*** (0.008)	0.202*** (0.010)	0.202*** (0.010)
<i>R-squared</i>	0.300	0.342	0.367	0.407	0.360	0.408	0.343	0.376
Observations	832	832	3,318	3,318	2,478	2,478	1,672	1,672

Notes: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1.

Table S5

Education levels and gender heterogeneities in the hindering effects on food waste willingness

Variables	Lower-Edu.		Higher-Edu.		Female		Male	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>post</i>	1.255*** (0.164)	-0.894 (2.079)	1.550*** (0.083)	-1.423 (1.227)	1.495*** (0.096)	-0.217 (1.260)	1.486*** (0.117)	-1.944 (1.641)
<i>SK*post</i>		-0.265 (0.374)		-0.435** (0.197)		-0.401* (0.233)		-0.373 (0.262)
<i>Education levels</i>	/	/	/	/	YES	YES	YES	YES
<i>Gender</i>	YES	YES	YES	YES	/	/	/	/
Control variables	YES	YES	YES	YES	YES	YES	YES	YES
Constant	-0.363*** (0.082)	-0.363*** (0.081)	-0.106** (0.042)	-0.106*** (0.041)	-0.109** (0.048)	-0.109** (0.047)	-0.230*** (0.059)	-0.230*** (0.058)
<i>R-squared</i>	0.124	0.161	0.174	0.197	0.164	0.186	0.162	0.194
Observations	832	832	3,318	3,318	2,478	2,478	1,672	1,672

Notes: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1.