Table C1: OLS results of the multivariate models, with energy carrier—pooled sample and Denmark.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pooled sample | | | | | Denmark | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.183\*\* (0.059) | 0.053 (0.493) | 0.019 (0.060) | 0.081\* (0.030) | 0.048\*\* (0.017) | -0.244 (0.173) | 0.546 (3.412) | -0.154 (0.208) | 0.132\*\* (0.054) | 0.039 (0.046) |
| *Female (vs. male)* | -0.077 (0.077) | 0.032 (0.682) | -0.010 (0.049) | 0.011 (0.020) | 0.028 (0.020) | 0.119 (0.141) | 1.831 (2.256) | 0.051 (0.171) | 0.046 (0.035) | 0.105\*\*\* (0.038) |
| *Age* | 0.008 (0.005) | 0.083\* (0.033) | 0.001 (0.003) | 0.000 (0.000) | -0.001\*\* (0.000) | 0.007 (0.005) | 0.176\*\* (0.069) | -0.008 (0.005) | -0.001 (0.001) | -0.000 (0.001) |
| *Income per person (in €1000)* | 0.003 (0.004) | -0.462\*\* (0.114) | -0.005 (0.005) | -0.005\*\*\* (0.001) | -0.004\*\* (0.001) | 0.000 (0.015) | -0.671\*\* (0.270) | -0.002 (0.017) | -0.005 (0.004) | -0.005 (0.004) |
| *Academic degree (vs. no academic degree)* | 0.114 (0.101) | 0.533 (0.403) | 0.023 (0.044) | -0.036 (0.018) | -0.009 (0.013) | -0.032 (0.126) | 1.545 (2.231) | -0.100 (0.171) | 0.016 (0.036) | 0.005 (0.034) |
| *Single-family home (vs. multi-family)* | -0.052 (0.066) | -0.797 (1.089) | 0.084 (0.095) | 0.003 (0.031) | -0.006 (0.010) | 0.019 (0.185) | 1.006 (2.272) | 0.170 (0.210) | -0.046 (0.045) | -0.001 (0.048) |
| *Homeowner (vs. tenant)* | 0.036 (0.076) | -0.506 (0.802) | -0.139 (0.088) | 0.006 (0.021) | -0.013 (0.023) | -0.006 (0.152) | -2.777 (2.133) | -0.092 (0.188) | -0.004 (0.041) | -0.078\* (0.044) |
| *Urban (vs. town/rural)* | 0.027 (0.073) | 0.923 (0.670) | 0.118 (0.128) | 0.014 (0.012) | -0.008 (0.008) | 0.014 (0.171) | 0.225 (2.194) | -0.103 (0.194) | 0.029 (0.037) | -0.014 (0.040) |
| *District heating (vs. natural gas)* | -0.009 (0.030) | 0.392 (0.905) | -0.124 (0.071) | -0.012 (0.018) | 0.015 (0.028) | 0.087 (0.185) | -0.302 (3.117) | 0.105 (0.265) | -0.002 (0.056) | 0.104\*\*\* (0.034) |
| *Electricity (vs. natural gas)* | -0.146 (0.100) | 0.632 (1.351) | -0.240 (0.180) | -0.008 (0.030) | -0.014 (0.025) | 0.083 (0.243) | -2.033 (3.976) | 0.489 (0.394) | 0.041 (0.065) | 0.097\*\* (0.048) |
| *Heating oil (vs. natural gas)* | 0.262\*\*\* (0.052) | 4.129\*\*\* (0.668) | -0.007 (0.076) | 0.034 (0.024) | 0.022 (0.020) | -0.035 (0.748) | -4.804 (6.003) | 0.220 (0.406) | 0.326 (0.265) | -0.009 (0.043) |
| *Wood (vs. natural gas)* | 0.137 (0.111) | 1.241\* (0.480) | -0.195\*\*\* (0.019) | -0.035 (0.038) | 0.046 (0.031) | 0.320 (0.254) | 2.274 (9.158) | 0.126 (0.344) | -0.012 (0.085) | 0.159\* (0.095) |
| *Other heating source (vs. natural gas)* | -0.245 (0.181) | 0.703 (1.439) | 0.026 (0.258) | 0.015 (0.027) | 0.029 (0.034) | -0.293 (0.665) | 5.862 (4.456) | -0.459 (0.394) | -0.053 (0.093) | 0.176\* (0.098) |
| *Denmark (vs. Germany)* | 0.440\*\*\* (0.013) | 3.839\*\*\* (0.625) | 0.287\*\*\* (0.047) | -0.032\* (0.012) | 0.026 (0.018) |  |  |  |  |  |
| *France (vs. Germany)* | 0.191\*\*\* (0.028) | 0.223 (0.339) | 0.010 (0.053) | -0.041\*\* (0.010) | -0.064\*\*\* (0.007) |  |  |  |  |  |
| *Italy (vs. Germany)* | 0.427\*\*\* (0.015) | -1.289\*\*\* (0.180) | -0.146\*\* (0.043) | -0.061\*\*\* (0.011) | -0.048\*\*\* (0.009) |  |  |  |  |  |
| *Latvia (vs. Germany)* | 0.250\*\*\* (0.035) | -2.712\*\*\* (0.533) | 0.247\*\* (0.058) | -0.095\*\* (0.021) | -0.041\*\* (0.010) |  |  |  |  |  |
| Constant | -1.124\*\* (0.255) | -1.539 (2.007) | -0.280 (0.197) | 0.201\*\*\* (0.009) | 0.191\*\*\* (0.017) | -0.750\* (0.411) | -0.404 (5.740) | 0.316 (0.378) | 0.182\* (0.097) | 0.106 (0.095) |
| N | 1722 | 1886 | 2094 | 2138 | 2136 | 352 | 367 | 409 | 412 | 412 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C2: OLS results of the multivariate models, with energy carrier—France and Germany.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | France | | | | | Germany | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.144 (0.144) | -2.082 (2.363) | -0.130 (0.283) | 0.110\*\* (0.044) | 0.049\* (0.029) | -0.340\* (0.192) | 1.184 (2.016) | -0.101 (0.138) | 0.161\*\*\* (0.044) | 0.100\*\*\* (0.037) |
| *Female (vs. male)* | -0.255\* (0.133) | -1.631 (1.983) | -0.181 (0.247) | -0.044 (0.036) | 0.005 (0.021) | -0.033 (0.182) | -1.107 (2.040) | -0.021 (0.137) | 0.049 (0.040) | 0.031 (0.033) |
| *Age* | 0.005 (0.005) | -0.041 (0.063) | -0.003 (0.011) | -0.000 (0.001) | -0.001 (0.001) | 0.019\*\* (0.009) | 0.110 (0.072) | -0.001 (0.005) | -0.000 (0.001) | -0.002\*\* (0.001) |
| *Income per person (in €1000)* | -0.005 (0.014) | -0.416 (0.260) | -0.021 (0.029) | -0.004 (0.004) | -0.003\* (0.001) | 0.004 (0.013) | -0.240 (0.195) | -0.004 (0.010) | -0.006\* (0.003) | -0.007\*\*\* (0.002) |
| *Academic degree (vs. no academic degree)* | -0.159 (0.142) | 0.570 (2.120) | -0.035 (0.286) | -0.027 (0.037) | -0.048\*\* (0.023) | 0.249 (0.173) | -0.537 (2.144) | 0.119 (0.156) | -0.031 (0.040) | 0.002 (0.036) |
| *Single-family home (vs. multi-family)* | 0.142 (0.134) | 2.901 (2.014) | 0.274 (0.367) | 0.038 (0.045) | -0.018 (0.025) | -0.279 (0.245) | -1.444 (2.274) | -0.284\* (0.161) | 0.105\*\* (0.048) | -0.040 (0.034) |
| *Homeowner (vs. tenant)* | -0.145 (0.154) | -1.476 (2.001) | 0.003 (0.386) | 0.013 (0.048) | 0.035 (0.032) | 0.306 (0.244) | 1.918 (2.270) | 0.030 (0.170) | -0.062 (0.051) | 0.039 (0.034) |
| *Urban (vs. town/rural)* | 0.240\* (0.129) | 2.450 (1.966) | 0.573\*\* (0.280) | 0.023 (0.042) | -0.020 (0.024) | -0.181 (0.197) | 0.413 (1.714) | -0.187 (0.154) | 0.004 (0.039) | 0.016 (0.034) |
| *District heating (vs. natural gas)* | -0.332 (0.429) | -0.657 (1.990) | 0.147 (0.556) | 0.105 (0.098) | 0.080 (0.073) | -0.014 (0.356) | 0.437 (2.145) | -0.192 (0.214) | -0.069 (0.046) | -0.057 (0.042) |
| *Electricity (vs. natural gas)* | 0.015 (0.129) | -0.342 (2.351) | -0.229 (0.296) | -0.048 (0.041) | -0.006 (0.026) | -0.362 (0.418) | 0.778 (2.723) | -0.078 (0.215) | -0.034 (0.071) | -0.107\*\* (0.047) |
| *Heating oil (vs. natural gas)* | 0.298 (0.258) | 3.699 (4.484) | -0.069 (0.563) | -0.041 (0.075) | -0.027 (0.042) | 0.332 (0.221) | 4.389 (3.213) | 0.010 (0.202) | -0.001 (0.055) | 0.020 (0.047) |
| *Wood (vs. natural gas)* | 0.492\* (0.277) | 3.269 (3.820) | -0.107 (0.390) | -0.022 (0.065) | -0.026 (0.035) | -0.746 (0.572) | -2.414 (5.664) | -0.180 (0.500) | -0.186\*\* (0.090) | -0.107 (0.097) |
| *Other heating source (vs. natural gas)* | 0.389 (0.542) | 4.049 (3.813) | 1.768\* (1.052) | -0.106 (0.074) | -0.079\*\*\* (0.026) | -0.601\*\* (0.304) | 1.290 (2.314) | -0.486\*\* (0.245) | 0.081 (0.087) | -0.060 (0.068) |
| Constant | -0.702\*\* (0.330) | 4.366 (4.321) | -0.268 (0.671) | 0.163\* (0.085) | 0.109\*\* (0.055) | -1.664\*\*\* (0.512) | -5.056 (4.907) | 0.100 (0.340) | 0.175\* (0.100) | 0.275\*\*\* (0.082) |
| N | 390 | 393 | 425 | 440 | 439 | 366 | 422 | 441 | 456 | 456 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C3: OLS results of the multivariate models, with energy carrier—Italy and Latvia.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Italy | | | | | Latvia | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | 0.056 (0.239) | -0.033 (1.815) | 0.201 (0.193) | 0.008 (0.039) | -0.006 (0.031) | -0.243 (0.170) | -1.010 (1.925) | 0.160 (0.191) | 0.026 (0.032) | 0.075\*\* (0.034) |
| *Female (vs. male)* | 0.187 (0.218) | -0.078 (1.686) | 0.161 (0.190) | -0.013 (0.041) | -0.033 (0.035) | -0.192 (0.164) | 1.152 (1.674) | -0.018 (0.183) | -0.009 (0.033) | 0.041 (0.035) |
| *Age* | 0.017\* (0.009) | 0.158\* (0.083) | -0.001 (0.007) | 0.001 (0.001) | -0.000 (0.001) | -0.005 (0.006) | 0.038 (0.083) | 0.013\*\* (0.006) | 0.001 (0.001) | -0.001 (0.001) |
| *Income per person (in €1000)* | 0.006 (0.018) | -0.492\*\* (0.218) | 0.002 (0.021) | -0.008\*\* (0.003) | -0.001 (0.003) | 0.035 (0.049) | -2.081\*\* (0.824) | 0.021 (0.042) | 0.001 (0.009) | -0.008 (0.009) |
| *Academic degree (vs. no academic degree)* | 0.223 (0.236) | 0.741 (2.310) | 0.161 (0.234) | -0.115\*\*\* (0.035) | -0.019 (0.031) | 0.275 (0.173) | 1.095 (1.911) | 0.024 (0.202) | -0.035 (0.034) | 0.014 (0.037) |
| *Single-family home (vs. multi-family)* | 0.049 (0.240) | -2.867 (2.575) | -0.064 (0.223) | -0.050 (0.041) | 0.014 (0.034) | -0.258 (0.240) | -2.433 (3.036) | 0.094 (0.300) | -0.004 (0.051) | 0.021 (0.044) |
| *Homeowner (vs. tenant)* | 0.026 (0.319) | -1.891 (2.040) | -0.392 (0.265) | 0.063 (0.043) | -0.034 (0.040) | -0.191 (0.223) | -2.138 (1.612) | -0.533\* (0.319) | -0.046 (0.056) | -0.002 (0.050) |
| *Urban (vs. town/rural)* | -0.073 (0.239) | 3.015 (1.887) | 0.321\* (0.195) | 0.035 (0.041) | -0.006 (0.030) | 0.207 (0.212) | 0.760 (2.092) | 0.057 (0.196) | -0.026 (0.039) | -0.039 (0.035) |
| *District heating (vs. natural gas)* | -0.443 (0.658) | -2.831 (3.920) | -0.423 (0.458) | 0.028 (0.109) | 0.089 (0.111) | 0.032 (0.247) | 2.562 (3.073) | 0.004 (0.256) | -0.014 (0.052) | 0.026 (0.049) |
| *Electricity (vs. natural gas)* | -0.526 (0.593) | 6.471\*\* (2.686) | -0.908\*\*\* (0.330) | 0.096 (0.066) | -0.023 (0.039) | 0.414 (0.388) | 0.571 (6.873) | 0.269 (0.674) | 0.099 (0.189) | 0.039 (0.141) |
| *Heating oil (vs. natural gas)* | 0.588 (4.658) | 1.282 (5.184) | -0.158 (1.311) | -0.099 (0.085) | -0.041 (0.026) | -2.359\*\*\* (0.413) | 8.544 (6.537) | 4.409 (4.017) | -0.152 (1.003) | -0.038 (0.092) |
| *Wood (vs. natural gas)* | 0.387 (0.409) | 0.943 (3.777) | -0.056 (0.326) | 0.053 (0.070) | 0.099 (0.066) | 0.281 (0.291) | 2.479 (4.753) | -0.077 (0.300) | -0.075 (0.059) | 0.049 (0.054) |
| *Other heating source (vs. natural gas)* | -0.389 (0.357) | -0.984 (2.714) | -0.077 (0.296) | 0.062 (0.056) | 0.045 (0.045) | 0.466 (0.589) | 1.095 (4.670) | 0.476 (0.581) | -0.015 (0.091) | 0.089 (0.093) |
| Constant | -1.444\*\* (0.573) | -5.737 (5.634) | -0.316 (0.483) | 0.112 (0.107) | 0.152\* (0.082) | -0.240 (0.475) | 5.502 (5.009) | -0.638 (0.437) | 0.165\* (0.094) | 0.104 (0.095) |
| N | 262 | 359 | 398 | 398 | 398 | 352 | 345 | 421 | 432 | 431 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C4: OLS results of the multivariate models, controlling for room temperature estimation method—all country samples.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Pooled sample | Denmark | France | Germany | Italy | Latvia |
|  | Room temperature | Room temperature | Room temperature | Room temperature | Room temperature | Room temperature |
| *Significant price increase* | -0.167\*\* (0.056) | -0.229 (0.144) | -0.097 (0.136) | -0.323\* (0.194) | 0.041 (0.224) | -0.236 (0.171) |
| *Female (vs. male)* | -0.079 (0.082) | 0.145 (0.139) | -0.275\*\* (0.135) | -0.024 (0.182) | 0.173 (0.209) | -0.179 (0.163) |
| *Age* | 0.008 (0.005) | 0.008\* (0.005) | 0.005 (0.005) | 0.023\*\*\* (0.008) | 0.018\*\* (0.009) | -0.005 (0.006) |
| *Income per person (in €1000)* | 0.003 (0.005) | 0.001 (0.015) | -0.007 (0.014) | 0.006 (0.014) | 0.005 (0.019) | 0.035 (0.046) |
| *Academic degree (vs. no academic degree)* | 0.104 (0.095) | -0.037 (0.124) | -0.140 (0.140) | 0.234 (0.170) | 0.235 (0.228) | 0.267 (0.174) |
| *Single-family home (vs. multi-family)* | -0.010 (0.076) | 0.059 (0.188) | 0.210 (0.139) | -0.213 (0.235) | 0.125 (0.232) | -0.151 (0.208) |
| *Homeowner (vs. tenant)* | 0.032 (0.075) | 0.001 (0.151) | -0.105 (0.159) | 0.271 (0.231) | 0.102 (0.303) | -0.216 (0.240) |
| *Urban (vs. town/rural)* | 0.024 (0.067) | 0.000 (0.163) | 0.161 (0.130) | -0.171 (0.209) | -0.076 (0.224) | 0.152 (0.204) |
| *Thermostat (vs. estimate)* | -0.003 (0.051) | -0.095 (0.132) | 0.101 (0.139) | 0.068 (0.180) | -0.154 (0.257) | -0.023 (0.187) |
| *Denmark (vs. Germany)* | 0.388\*\*\* (0.027) |  |  |  |  |  |
| *France (vs. Germany)* | 0.136\*\* (0.034) |  |  |  |  |  |
| *Italy (vs. Germany)* | 0.388\*\*\* (0.031) |  |  |  |  |  |
| *Latvia (vs. Germany)* | 0.265\*\*\* (0.037) |  |  |  |  |  |
| Constant | -1.134\*\* (0.293) | -0.750\* (0.405) | -0.750\*\* (0.348) | -1.942\*\*\* (0.475) | -1.523\*\* (0.603) | -0.097 (0.504) |
| N | 1722 | 352 | 390 | 366 | 262 | 352 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | |

Table C5: OLS results of the multivariate models, controlling for room temperature and heated area—all country samples.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Pooled sample | Denmark | France | Germany | Italy | Latvia |
|  | Room temperature perceived as unsafe | Room temperature perceived as unsafe | Room temperature perceived as unsafe | Room temperature perceived as unsafe | Room temperature perceived as unsafe | Room temperature perceived as unsafe |
| *Significant price increase* | 0.086\* (0.031) | 0.140\*\*\* (0.051) | 0.097\*\* (0.044) | 0.165\*\*\* (0.048) | -0.009 (0.041) | 0.025 (0.032) |
| *Female (vs. male)* | 0.007 (0.023) | 0.048 (0.038) | -0.053 (0.035) | 0.064 (0.046) | -0.019 (0.044) | -0.021 (0.036) |
| *Age* | 0.000 (0.000) | -0.000 (0.001) | -0.001 (0.001) | -0.000 (0.002) | 0.001 (0.002) | 0.001 (0.001) |
| *Income per person (in €1000)* | -0.004\*\*\* (0.000) | -0.006\* (0.004) | -0.003 (0.004) | -0.005 (0.004) | -0.005 (0.003) | -0.009 (0.009) |
| *Academic degree (vs. no academic degree)* | -0.031 (0.019) | 0.031 (0.038) | -0.042 (0.037) | -0.001 (0.045) | -0.103\*\*\* (0.035) | -0.048 (0.038) |
| *Single-family home (vs. multi-family)* | 0.002 (0.029) | -0.033 (0.046) | 0.028 (0.047) | 0.104\*\* (0.052) | -0.036 (0.041) | -0.071 (0.044) |
| *Homeowner (vs. tenant)* | -0.005 (0.018) | 0.012 (0.045) | 0.008 (0.048) | -0.076 (0.054) | 0.029 (0.051) | -0.042 (0.061) |
| *Urban (vs. town/rural)* | 0.020\*\* (0.006) | 0.011 (0.038) | 0.038 (0.041) | 0.020 (0.044) | 0.020 (0.044) | 0.039 (0.042) |
| *Room temperature* | -0.002 (0.008) | -0.022 (0.015) | -0.004 (0.014) | 0.005 (0.014) | 0.019 (0.013) | -0.007 (0.010) |
| *Heated area* | -0.000 (0.000) | -0.000 (0.001) | 0.001 (0.001) | -0.001 (0.001) | -0.000 (0.000) | 0.001 (0.001) |
| *Room temperature below 18°C* | -0.074\* (0.030) | -0.049 (0.146) | -0.047 (0.065) | -0.142\* (0.080) | 0.015 (0.069) | -0.105 (0.064) |
| *Denmark (vs. Germany)* | -0.051\*\*\* (0.011) |  |  |  |  |  |
| *France (vs. Germany)* | -0.057\*\*\* (0.008) |  |  |  |  |  |
| *Italy (vs. Germany)* | -0.087\*\*\* (0.009) |  |  |  |  |  |
| *Latvia (vs. Germany)* | -0.113\*\*\* (0.009) |  |  |  |  |  |
| Constant | 0.251 (0.165) | 0.664\* (0.342) | 0.189 (0.298) | 0.076 (0.338) | -0.222 (0.278) | 0.282 (0.245) |
| N | 1800 | 363 | 403 | 379 | 288 | 367 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | |

Table C6: OLS results of the multivariate models, controlling for region—pooled sample and Denmark.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pooled sample | | | | | Denmark | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.159 (0.079) | 0.076 (0.407) | 0.025 (0.061) | 0.081\* (0.032) | 0.049\* (0.018) | -0.232 (0.146) | 0.628 (2.716) | -0.103 (0.193) | 0.137\*\*\* (0.049) | 0.027 (0.042) |
| *Female (vs. male)* | -0.097 (0.080) | -0.223 (0.730) | -0.012 (0.046) | 0.012 (0.021) | 0.031 (0.020) | 0.145 (0.140) | 1.616 (2.416) | 0.033 (0.173) | 0.046 (0.035) | 0.108\*\*\* (0.038) |
| *Age* | 0.007 (0.005) | 0.083\* (0.033) | 0.001 (0.003) | 0.000 (0.000) | -0.001\*\* (0.000) | 0.008\* (0.005) | 0.144\*\* (0.069) | -0.006 (0.005) | -0.000 (0.001) | -0.000 (0.001) |
| *Income per person (in €1000)* | 0.002 (0.004) | -0.456\*\* (0.107) | -0.005 (0.004) | -0.005\*\*\* (0.000) | -0.004\*\* (0.001) | 0.000 (0.015) | -0.668\*\*\* (0.254) | 0.001 (0.019) | -0.005 (0.004) | -0.007 (0.004) |
| *Academic degree (vs. no academic degree)* | 0.080 (0.084) | 0.639\*\* (0.222) | 0.016 (0.055) | -0.035 (0.018) | -0.013 (0.015) | -0.030 (0.125) | 1.229 (2.167) | -0.113 (0.174) | 0.011 (0.036) | 0.005 (0.034) |
| *Single-family home (vs. multi-family)* | -0.021 (0.055) | -0.382 (1.420) | 0.043 (0.076) | 0.001 (0.030) | -0.000 (0.010) | 0.046 (0.198) | 0.896 (2.644) | 0.244 (0.220) | -0.038 (0.043) | -0.014 (0.049) |
| *Homeowner (vs. tenant)* | 0.070 (0.088) | -0.555 (0.915) | -0.114 (0.104) | 0.001 (0.023) | -0.017 (0.024) | -0.004 (0.152) | -3.374 (2.336) | -0.044 (0.183) | 0.010 (0.042) | -0.088\* (0.046) |
| *Urban (vs. town/rural)* | -0.057 (0.097) | 0.330 (0.757) | 0.112 (0.168) | 0.014 (0.020) | 0.005 (0.008) | 0.020 (0.180) | -0.744 (2.463) | -0.221 (0.221) | 0.017 (0.038) | -0.024 (0.043) |
| *Central Denmark Region (vs. Capital Region of Denmark)* | -0.006 (0.020) | -1.435\* (0.668) | 0.231\*\*\* (0.048) | 0.030\*\* (0.011) | 0.015\* (0.006) | -0.004 (0.205) | -2.600 (3.433) | 0.060 (0.259) | 0.040 (0.052) | -0.003 (0.053) |
| *North Denmark Region (vs. Capital Region of Denmark)* | -0.040\*\* (0.010) | 5.791\*\*\* (0.371) | 0.201\*\*\* (0.023) | -0.041\*\*\* (0.008) | 0.083\*\*\* (0.003) | -0.038 (0.249) | 4.986 (4.409) | 0.108 (0.294) | -0.037 (0.056) | 0.076 (0.071) |
| *Zealand Region (vs. Capital Region of Denmark)* | 0.029 (0.035) | -4.120\*\*\* (0.783) | -0.044 (0.101) | -0.052\*\* (0.014) | -0.034\*\* (0.008) | 0.071 (0.232) | -5.188 (4.063) | -0.315 (0.314) | -0.032 (0.055) | -0.025 (0.055) |
| *Region of Southern Denmark (vs. Capital Region of Denmark)* | -0.020 (0.023) | 2.046\*\* (0.715) | 0.094 (0.065) | -0.033\*\* (0.011) | -0.015\*\* (0.005) | -0.019 (0.202) | 0.468 (3.533) | -0.110 (0.295) | -0.017 (0.048) | -0.030 (0.050) |
| *Auvergne-Rhône-Alpes (vs. Capital Region of Denmark)* | -0.395\*\*\* (0.027) | -0.530 (0.575) | -1.064\*\*\* (0.032) | -0.032\*\*\* (0.003) | -0.034\*\* (0.008) |  |  |  |  |  |
| *Burgundy Franche-Comté (vs. Capital Region of Denmark)* | -0.799\*\*\* (0.049) | -9.119\*\*\* (0.983) | -0.380\*\*\* (0.082) | -0.003 (0.011) | -0.084\*\*\* (0.008) |  |  |  |  |  |
| *Brittany (vs. Capital Region of Denmark)* | -0.148\* (0.065) | -4.079\*\*\* (0.881) | -0.329\*\*\* (0.044) | -0.000 (0.009) | -0.112\*\*\* (0.010) |  |  |  |  |  |
| *Centre - Val de Loire (vs. Capital Region of Denmark)* | 0.126 (0.097) | -7.921\*\*\* (0.860) | 0.053 (0.068) | -0.191\*\*\* (0.013) | -0.153\*\*\* (0.008) |  |  |  |  |  |
| *Corsica (vs. Capital Region of Denmark)* | 0.319\*\* (0.076) | -4.290\*\* (1.190) | 0.161\* (0.058) | -0.208\*\*\* (0.035) | -0.173\*\*\* (0.030) |  |  |  |  |  |
| *Grand Est (vs. Capital Region of Denmark)* | -0.540\*\*\* (0.031) | 0.131 (0.766) | -0.163\*\* (0.040) | -0.000 (0.007) | -0.104\*\*\* (0.008) |  |  |  |  |  |
| *Hauts-de-France (vs. Capital Region of Denmark)* | 0.080 (0.043) | -5.795\*\*\* (0.885) | 0.338\*\*\* (0.034) | -0.004 (0.011) | -0.150\*\*\* (0.008) |  |  |  |  |  |
| *Normandy (vs. Capital Region of Denmark)* | -0.029 (0.034) | -3.367\*\* (0.731) | 0.571\*\*\* (0.025) | 0.052\*\*\* (0.009) | -0.097\*\*\* (0.009) |  |  |  |  |  |
| *Nouvelle Aquitaine (vs. Capital Region of Denmark)* | -0.043 (0.048) | 0.948 (0.824) | -0.030 (0.049) | -0.061\*\*\* (0.008) | -0.093\*\*\* (0.007) |  |  |  |  |  |
| *Occitania (vs. Capital Region of Denmark)* | -0.117\*\* (0.029) | -4.993\*\*\* (0.946) | 0.256\*\*\* (0.026) | -0.044\*\*\* (0.008) | -0.078\*\*\* (0.008) |  |  |  |  |  |
| *Paris Region (vs. Capital Region of Denmark)* | -0.316\*\*\* (0.029) | -1.775\*\* (0.471) | -0.215\*\* (0.048) | 0.041\*\*\* (0.008) | -0.109\*\*\* (0.010) |  |  |  |  |  |
| *Pays de la Loire (vs. Capital Region of Denmark)* | -0.051 (0.056) | -4.731\*\*\* (0.887) | -0.671\*\*\* (0.045) | -0.029\*\* (0.009) | -0.136\*\*\* (0.007) |  |  |  |  |  |
| *Provence-Alpes-Côte d'Azur (vs. Capital Region of Denmark)* | -0.352\*\*\* (0.056) | -4.212\*\*\* (0.606) | -0.053 (0.034) | -0.047\*\*\* (0.004) | -0.084\*\*\* (0.009) |  |  |  |  |  |
| *Baden-Württemberg (vs. Capital Region of Denmark)* | -0.839\*\*\* (0.035) | 0.072 (0.680) | -0.290\*\*\* (0.037) | 0.048\*\*\* (0.007) | 0.030\*\* (0.007) |  |  |  |  |  |
| *Bavaria (vs. Capital Region of Denmark)* | -0.073 (0.038) | -2.233\*\* (0.651) | -0.012 (0.033) | 0.004 (0.011) | -0.069\*\*\* (0.007) |  |  |  |  |  |
| *Berlin (vs. Capital Region of Denmark)* | -0.317\*\*\* (0.048) | -10.662\*\*\* (0.769) | -0.269\*\* (0.079) | -0.100\*\*\* (0.005) | -0.091\*\*\* (0.009) |  |  |  |  |  |
| *Brandenburg (vs. Capital Region of Denmark)* | -0.536\*\*\* (0.052) | -10.641\*\*\* (0.896) | 0.145 (0.086) | 0.193\*\*\* (0.013) | -0.008 (0.013) |  |  |  |  |  |
| *Bremen (vs. Capital Region of Denmark)* | -3.160\*\*\* (0.131) | -10.889\*\*\* (1.497) | -0.733\*\*\* (0.100) | -0.178\*\*\* (0.013) | 0.022 (0.012) |  |  |  |  |  |
| *Hamburg (vs. Capital Region of Denmark)* | 0.128 (0.071) | 1.372 (0.795) | -0.124 (0.081) | -0.065\*\*\* (0.005) | -0.147\*\*\* (0.010) |  |  |  |  |  |
| *Hesse (vs. Capital Region of Denmark)* | -0.676\*\*\* (0.037) | -6.741\*\*\* (0.786) | -0.070 (0.046) | 0.008 (0.016) | -0.015 (0.008) |  |  |  |  |  |
| *Lower Saxony (vs. Capital Region of Denmark)* | -0.515\*\*\* (0.045) | -6.816\*\*\* (0.655) | -0.183\*\*\* (0.036) | 0.123\*\*\* (0.008) | 0.017\*\*\* (0.003) |  |  |  |  |  |
| *Mecklenburg-Western Pomerania (vs. Capital Region of Denmark)* | 0.597\*\*\* (0.050) | 22.397\*\*\* (0.613) | -0.059 (0.043) | 0.152\*\*\* (0.018) | 0.336\*\*\* (0.012) |  |  |  |  |  |
| *North Rhine-Westphalia (vs. Capital Region of Denmark)* | -0.118\*\* (0.039) | -1.585\* (0.593) | -0.206\*\*\* (0.036) | 0.022\* (0.008) | -0.042\*\*\* (0.008) |  |  |  |  |  |
| *Rhineland-Palatinate (vs. Capital Region of Denmark)* | -0.580\*\*\* (0.043) | 2.344\* (0.931) | -0.076 (0.067) | 0.063\*\*\* (0.011) | 0.028\*\*\* (0.004) |  |  |  |  |  |
| *Saarland (vs. Capital Region of Denmark)* | -0.748\*\*\* (0.069) | -10.174\*\*\* (0.930) | 0.198 (0.102) | 0.144\*\*\* (0.016) | -0.114\*\*\* (0.011) |  |  |  |  |  |
| *Saxony (vs. Capital Region of Denmark)* | -0.137\*\* (0.043) | -4.543\*\*\* (0.749) | 0.053 (0.094) | -0.015 (0.012) | -0.010 (0.010) |  |  |  |  |  |
| *Saxony-Anhalt (vs. Capital Region of Denmark)* | -0.168\*\* (0.038) | -2.172\* (0.813) | -0.146 (0.074) | -0.080\*\*\* (0.014) | -0.072\*\*\* (0.013) |  |  |  |  |  |
| *Schleswig-Holstein (vs. Capital Region of Denmark)* | -0.561\*\*\* (0.046) | -7.170\*\*\* (0.671) | -0.392\*\*\* (0.085) | -0.051\*\* (0.012) | -0.130\*\*\* (0.007) |  |  |  |  |  |
| *Thuringia (vs. Capital Region of Denmark)* | -0.945\*\*\* (0.064) | -4.613\*\* (1.158) | 0.274\*\* (0.088) | 0.205\*\*\* (0.018) | -0.091\*\*\* (0.011) |  |  |  |  |  |
| *Abruzzo (vs. Capital Region of Denmark)* | 0.553\*\*\* (0.057) | -3.984\*\* (0.882) | -0.028 (0.098) | -0.162\*\*\* (0.010) | -0.164\*\*\* (0.008) |  |  |  |  |  |
| *Apulia (vs. Capital Region of Denmark)* | 0.212\*\* (0.047) | 0.089 (0.900) | -0.309\*\*\* (0.046) | -0.017 (0.010) | -0.122\*\*\* (0.019) |  |  |  |  |  |
| *Basilicata (vs. Capital Region of Denmark)* | 0.047 (0.051) | -16.435\*\*\* (1.113) | 0.603\*\*\* (0.072) | 0.225\*\*\* (0.011) | -0.171\*\*\* (0.015) |  |  |  |  |  |
| *Calabria (vs. Capital Region of Denmark)* | -0.592\*\*\* (0.114) | -4.480\*\* (1.035) | 0.064 (0.039) | -0.000 (0.006) | -0.171\*\*\* (0.012) |  |  |  |  |  |
| *Campania (vs. Capital Region of Denmark)* | -0.285\*\*\* (0.040) | -4.757\*\*\* (0.772) | -0.427\*\*\* (0.054) | -0.029\*\* (0.008) | -0.060\*\* (0.015) |  |  |  |  |  |
| *Emilia-Romagna (vs. Capital Region of Denmark)* | 0.336\*\*\* (0.019) | -1.348\* (0.598) | -0.797\*\*\* (0.019) | -0.121\*\*\* (0.003) | -0.016\* (0.007) |  |  |  |  |  |
| *Friuli-Venezia Giulia (vs. Capital Region of Denmark)* | 0.524\*\*\* (0.027) | -12.638\*\*\* (0.571) | -0.890\*\*\* (0.056) | 0.016 (0.008) | -0.070\*\*\* (0.012) |  |  |  |  |  |
| *Lazio (vs. Capital Region of Denmark)* | 0.501\*\*\* (0.057) | -7.700\*\*\* (0.817) | -0.286\*\* (0.084) | -0.068\*\*\* (0.007) | 0.009 (0.013) |  |  |  |  |  |
| *Liguria (vs. Capital Region of Denmark)* | -0.186\*\*\* (0.025) | -6.904\*\*\* (0.786) | -0.109\*\*\* (0.021) | -0.119\*\*\* (0.009) | -0.159\*\*\* (0.016) |  |  |  |  |  |
| *Lombardy (vs. Capital Region of Denmark)* | -0.184\*\*\* (0.017) | -5.572\*\*\* (0.479) | 0.097\*\* (0.024) | -0.055\*\*\* (0.004) | -0.101\*\*\* (0.009) |  |  |  |  |  |
| *Marche (vs. Capital Region of Denmark)* | 0.797\*\*\* (0.056) | -2.376\* (0.977) | 0.046 (0.062) | 0.072\*\*\* (0.011) | -0.167\*\*\* (0.012) |  |  |  |  |  |
| *Molise (vs. Capital Region of Denmark)* | -0.100 (0.075) | -5.641\*\*\* (0.936) | -0.436\*\* (0.103) | -0.127\*\*\* (0.011) | 0.203\*\*\* (0.008) |  |  |  |  |  |
| *Piedmont (vs. Capital Region of Denmark)* | 0.236\*\* (0.057) | -7.725\*\*\* (0.780) | -0.575\*\*\* (0.029) | 0.020\*\* (0.005) | 0.012 (0.008) |  |  |  |  |  |
| *Sardinia (vs. Capital Region of Denmark)* | -0.415\*\*\* (0.061) | 5.987\*\*\* (0.872) | -1.780\*\*\* (0.082) | 0.115\*\*\* (0.013) | 0.123\*\*\* (0.022) |  |  |  |  |  |
| *Sicily (vs. Capital Region of Denmark)* | -0.274\*\*\* (0.040) | -3.134\*\* (0.923) | -1.064\*\*\* (0.057) | 0.006 (0.005) | -0.043\*\* (0.011) |  |  |  |  |  |
| *Trentino - South Tyrol (vs. Capital Region of Denmark)* | 0.965\*\*\* (0.058) | -9.465\*\*\* (0.719) | -0.060 (0.098) | -0.151\*\*\* (0.013) | -0.145\*\*\* (0.010) |  |  |  |  |  |
| *Tuscany (vs. Capital Region of Denmark)* | -0.159\*\*\* (0.014) | -2.125\*\* (0.545) | 0.384\*\*\* (0.034) | -0.175\*\*\* (0.008) | -0.093\*\*\* (0.014) |  |  |  |  |  |
| *Umbria (vs. Capital Region of Denmark)* | -1.128\*\*\* (0.046) | -9.638\*\*\* (1.078) | -0.037 (0.084) | 0.178\*\*\* (0.007) | -0.185\*\*\* (0.016) |  |  |  |  |  |
| *Veneto (vs. Capital Region of Denmark)* | -0.601\*\*\* (0.035) | -4.048\*\*\* (0.608) | -0.050 (0.035) | 0.012 (0.006) | -0.101\*\*\* (0.013) |  |  |  |  |  |
| *Kurzeme (vs. Capital Region of Denmark)* | -0.108\*\* (0.026) | -2.422\* (0.926) | -0.099\*\* (0.033) | -0.119\*\*\* (0.006) | 0.026 (0.018) |  |  |  |  |  |
| *Latgale (vs. Capital Region of Denmark)* | -0.433\*\*\* (0.049) | -3.566\*\* (0.997) | 0.269\*\* (0.072) | -0.107\*\*\* (0.009) | -0.118\*\*\* (0.021) |  |  |  |  |  |
| *Pieriga (vs. Capital Region of Denmark)* | -0.187\*\* (0.049) | -8.744\*\*\* (0.829) | -0.111 (0.070) | -0.084\*\*\* (0.017) | 0.004 (0.024) |  |  |  |  |  |
| *Riga (vs. Capital Region of Denmark)* | 0.143\* (0.063) | -6.294\*\*\* (0.822) | 0.044 (0.098) | -0.056\* (0.021) | -0.092\*\* (0.029) |  |  |  |  |  |
| *Vidzeme (vs. Capital Region of Denmark)* | -0.374\*\*\* (0.055) | -6.668\*\*\* (0.973) | -0.323\*\* (0.070) | -0.065\*\*\* (0.009) | 0.034 (0.019) |  |  |  |  |  |
| *Zemgale (vs. Capital Region of Denmark)* | -0.139\*\*\* (0.027) | -7.663\*\*\* (0.864) | 0.263\*\*\* (0.033) | -0.062\*\*\* (0.006) | -0.094\*\*\* (0.019) |  |  |  |  |  |
| Constant | -0.645 (0.326) | 2.463 (2.414) | -0.175 (0.168) | 0.162\*\*\* (0.016) | 0.219\*\*\* (0.014) | -0.762\* (0.414) | 2.929 (5.878) | 0.293 (0.446) | 0.161\* (0.086) | 0.243\*\* (0.098) |
| N | 1722 | 1886 | 2094 | 2138 | 2136 | 352 | 367 | 409 | 412 | 412 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C7: OLS results of the multivariate models, controlling for region—France and Germany.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | France | | | | | Germany | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.035 (0.136) | -1.600 (2.370) | -0.048 (0.284) | 0.114\*\* (0.045) | 0.045 (0.029) | -0.344\* (0.205) | 0.617 (1.975) | -0.135 (0.149) | 0.151\*\*\* (0.044) | 0.094\*\* (0.038) |
| *Female (vs. male)* | -0.299\*\* (0.141) | -1.960 (1.969) | -0.094 (0.265) | -0.047 (0.036) | 0.005 (0.023) | -0.057 (0.199) | -1.686 (2.113) | -0.026 (0.136) | 0.064 (0.040) | 0.037 (0.032) |
| *Age* | 0.004 (0.005) | -0.037 (0.068) | -0.007 (0.010) | 0.001 (0.001) | -0.000 (0.001) | 0.021\*\*\* (0.008) | 0.098 (0.073) | 0.001 (0.005) | 0.000 (0.001) | -0.002\* (0.001) |
| *Income per person (in €1000)* | -0.005 (0.014) | -0.496\* (0.257) | -0.020 (0.029) | -0.005 (0.004) | -0.003\* (0.002) | 0.004 (0.015) | -0.258 (0.200) | -0.002 (0.011) | -0.005 (0.003) | -0.006\*\*\* (0.002) |
| *Academic degree (vs. no academic degree)* | -0.143 (0.144) | 1.001 (2.140) | -0.138 (0.296) | -0.024 (0.040) | -0.048\* (0.024) | 0.137 (0.190) | -0.182 (2.490) | 0.093 (0.153) | -0.017 (0.042) | 0.010 (0.038) |
| *Single-family home (vs. multi-family)* | 0.102 (0.141) | 5.063\*\* (2.158) | -0.016 (0.373) | 0.032 (0.048) | -0.015 (0.030) | -0.167 (0.249) | -0.873 (2.239) | -0.250 (0.177) | 0.112\*\* (0.048) | -0.022 (0.034) |
| *Homeowner (vs. tenant)* | -0.066 (0.164) | -2.522 (2.073) | 0.100 (0.402) | 0.008 (0.048) | 0.027 (0.033) | 0.329 (0.240) | 1.979 (2.247) | 0.035 (0.162) | -0.076 (0.051) | 0.032 (0.034) |
| *Urban (vs. town/rural)* | 0.067 (0.133) | 1.792 (2.199) | 0.552\* (0.295) | 0.016 (0.043) | -0.001 (0.022) | -0.319 (0.234) | -0.399 (1.897) | -0.188 (0.154) | 0.045 (0.047) | 0.031 (0.041) |
| *Burgundy Franche-Comté (vs. Auvergne-Rhône-Alpes)* | -0.412 (0.357) | -9.192\* (5.233) | 0.877 (0.816) | 0.014 (0.089) | -0.051 (0.067) |  |  |  |  |  |
| *Brittany (vs. Auvergne-Rhône-Alpes)* | 0.230 (0.319) | -3.838 (4.488) | 0.779 (0.613) | 0.031 (0.103) | -0.079 (0.068) |  |  |  |  |  |
| *Centre - Val de Loire (vs. Auvergne-Rhône-Alpes)* | 0.480\* (0.279) | -7.400 (7.112) | 1.257\*\* (0.538) | -0.175\*\*\* (0.060) | -0.130\*\*\* (0.045) |  |  |  |  |  |
| *Corsica (vs. Auvergne-Rhône-Alpes)* | 0.653 (1.037) | -5.477 (4.739) | 1.420 (1.443) | -0.251\*\*\* (0.080) | -0.127 (0.379) |  |  |  |  |  |
| *Grand Est (vs. Auvergne-Rhône-Alpes)* | -0.170 (0.277) | 0.903 (4.826) | 1.002\* (0.573) | 0.024 (0.074) | -0.066 (0.051) |  |  |  |  |  |
| *Hauts-de-France (vs. Auvergne-Rhône-Alpes)* | 0.434\* (0.247) | -6.947 (4.696) | 1.389\*\* (0.552) | 0.026 (0.073) | -0.107\*\* (0.042) |  |  |  |  |  |
| *Normandy (vs. Auvergne-Rhône-Alpes)* | 0.320 (0.285) | -4.413 (4.210) | 1.589\* (0.842) | 0.076 (0.106) | -0.050 (0.066) |  |  |  |  |  |
| *Nouvelle Aquitaine (vs. Auvergne-Rhône-Alpes)* | 0.371 (0.403) | 1.056 (5.515) | 1.151\* (0.688) | -0.034 (0.069) | -0.058 (0.055) |  |  |  |  |  |
| *Occitania (vs. Auvergne-Rhône-Alpes)* | 0.261 (0.264) | -5.701 (4.261) | 1.342\*\*\* (0.517) | -0.014 (0.070) | -0.034 (0.059) |  |  |  |  |  |
| *Paris Region (vs. Auvergne-Rhône-Alpes)* | 0.077 (0.251) | -1.364 (3.856) | 0.702 (0.525) | 0.076 (0.061) | -0.069 (0.045) |  |  |  |  |  |
| *Pays de la Loire (vs. Auvergne-Rhône-Alpes)* | 0.345 (0.396) | -5.239 (4.107) | 0.521 (0.587) | -0.008 (0.109) | -0.096\*\* (0.041) |  |  |  |  |  |
| *Provence-Alpes-Côte d'Azur (vs. Auvergne-Rhône-Alpes)* | 0.104 (0.296) | -2.450 (4.702) | 1.116\* (0.605) | -0.022 (0.074) | -0.050 (0.057) |  |  |  |  |  |
| *Bavaria (vs. Baden-Württemberg)* |  |  |  |  |  | 0.819\*\*\* (0.313) | -2.254 (3.218) | 0.338 (0.224) | -0.062 (0.065) | -0.106\* (0.056) |
| *Berlin (vs. Baden-Württemberg)* |  |  |  |  |  | 0.631 (0.715) | -10.107 (6.399) | 0.114 (0.332) | -0.146\* (0.084) | -0.135\* (0.071) |
| *Brandenburg (vs. Baden-Württemberg)* |  |  |  |  |  | 0.113 (0.793) | -10.700\*\* (4.753) | 0.341 (0.260) | 0.150 (0.142) | -0.036 (0.109) |
| *Bremen (vs. Baden-Württemberg)* |  |  |  |  |  | -1.933 (3.853) | -8.400 (6.075) | -0.258 (0.500) | -0.249\*\*\* (0.070) | -0.037 (0.229) |
| *Hamburg (vs. Baden-Württemberg)* |  |  |  |  |  | 1.142 (0.950) | 2.067 (4.348) | 0.279 (0.509) | -0.112 (0.118) | -0.194\*\*\* (0.058) |
| *Hesse (vs. Baden-Württemberg)* |  |  |  |  |  | 0.252 (0.481) | -6.925\* (3.804) | 0.271 (0.398) | -0.073 (0.089) | -0.053 (0.083) |
| *Lower Saxony (vs. Baden-Württemberg)* |  |  |  |  |  | 0.386 (0.349) | -7.353\*\* (3.429) | 0.127 (0.268) | 0.075 (0.082) | -0.019 (0.070) |
| *Mecklenburg-Western Pomerania (vs. Baden-Württemberg)* |  |  |  |  |  | 1.536\*\* (0.728) | 22.455 (19.906) | 0.298 (0.247) | 0.079 (0.235) | 0.280 (0.278) |
| *North Rhine-Westphalia (vs. Baden-Württemberg)* |  |  |  |  |  | 0.798\*\* (0.325) | -1.384 (2.846) | 0.164 (0.199) | -0.035 (0.067) | -0.088 (0.059) |
| *Rhineland-Palatinate (vs. Baden-Württemberg)* |  |  |  |  |  | 0.319 (0.505) | 2.166 (6.066) | 0.249 (0.215) | -0.001 (0.100) | -0.003 (0.095) |
| *Saarland (vs. Baden-Württemberg)* |  |  |  |  |  | 0.058 (0.872) | -11.915 (14.932) | 0.382\* (0.213) | 0.104 (0.308) | -0.121\*\* (0.052) |
| *Saxony (vs. Baden-Württemberg)* |  |  |  |  |  | 0.606 (0.449) | -5.052 (7.230) | 0.215 (0.331) | -0.054 (0.100) | -0.038 (0.110) |
| *Saxony-Anhalt (vs. Baden-Württemberg)* |  |  |  |  |  | 0.542 (0.417) | -1.988 (5.009) | 0.074 (0.349) | -0.130 (0.089) | -0.106 (0.088) |
| *Schleswig-Holstein (vs. Baden-Württemberg)* |  |  |  |  |  | 0.140 (0.446) | -7.779 (6.643) | -0.216 (0.562) | -0.087 (0.092) | -0.155\*\*\* (0.050) |
| *Thuringia (vs. Baden-Württemberg)* |  |  |  |  |  | -0.101 (0.698) | -5.215 (7.363) | 0.564 (0.446) | 0.127 (0.152) | -0.143 (0.096) |
| Constant | -0.679\* (0.382) | 7.737 (4.787) | -0.920 (0.760) | 0.103 (0.082) | 0.142\*\* (0.068) | -2.195\*\*\* (0.548) | 0.093 (5.314) | -0.258 (0.345) | 0.151 (0.104) | 0.274\*\*\* (0.093) |
| N | 390 | 393 | 425 | 440 | 439 | 366 | 422 | 441 | 456 | 456 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C8: OLS results of the multivariate models, controlling for region—Italy and Latvia.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Italy | | | | | Latvia | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | 0.102 (0.249) | 0.110 (2.106) | 0.151 (0.204) | -0.001 (0.041) | -0.008 (0.032) | -0.256 (0.185) | -1.065 (1.947) | 0.183 (0.198) | 0.020 (0.032) | 0.076\*\* (0.034) |
| *Female (vs. male)* | 0.099 (0.217) | 0.170 (1.700) | 0.132 (0.206) | -0.012 (0.041) | -0.025 (0.035) | -0.168 (0.166) | 1.061 (1.680) | -0.045 (0.184) | -0.009 (0.033) | 0.043 (0.034) |
| *Age* | 0.017\* (0.010) | 0.152\* (0.091) | 0.001 (0.008) | 0.001 (0.002) | -0.001 (0.001) | -0.005 (0.006) | 0.044 (0.084) | 0.013\*\* (0.006) | 0.001 (0.001) | -0.001 (0.001) |
| *Income per person (in €1000)* | -0.001 (0.020) | -0.451\* (0.238) | -0.006 (0.023) | -0.006\* (0.003) | 0.000 (0.003) | 0.026 (0.048) | -2.051\*\* (0.807) | 0.041 (0.042) | -0.002 (0.009) | -0.009 (0.009) |
| *Academic degree (vs. no academic degree)* | 0.222 (0.251) | 1.360 (2.530) | 0.133 (0.255) | -0.112\*\*\* (0.038) | -0.059 (0.036) | 0.261 (0.177) | 1.128 (1.936) | 0.008 (0.205) | -0.029 (0.033) | 0.010 (0.035) |
| *Single-family home (vs. multi-family)* | 0.147 (0.248) | -3.811 (2.506) | 0.039 (0.223) | -0.040 (0.041) | 0.022 (0.036) | -0.163 (0.207) | -2.473 (2.594) | 0.090 (0.230) | -0.039 (0.036) | 0.024 (0.037) |
| *Homeowner (vs. tenant)* | 0.154 (0.314) | -1.948 (2.060) | -0.339 (0.269) | 0.055 (0.043) | -0.044 (0.040) | -0.228 (0.229) | -1.901 (1.660) | -0.511 (0.310) | -0.046 (0.055) | -0.006 (0.049) |
| *Urban (vs. town/rural)* | 0.088 (0.209) | 2.553 (2.128) | 0.320 (0.230) | 0.054 (0.046) | 0.007 (0.034) | -0.184 (0.353) | -1.765 (3.687) | -0.076 (0.318) | -0.151\*\*\* (0.058) | -0.023 (0.065) |
| *Apulia (vs. Abruzzo)* | -0.573 (1.046) | 3.034 (9.099) | -0.384 (1.404) | 0.133\* (0.079) | 0.080 (0.051) |  |  |  |  |  |
| *Basilicata (vs. Abruzzo)* | -0.469 (2.268) | -14.328 (19.708) | 0.600 (1.440) | 0.367 (0.295) | 0.020 (0.033) |  |  |  |  |  |
| *Calabria (vs. Abruzzo)* | -1.483 (1.169) | -1.440 (9.104) | 0.082 (1.494) | 0.136 (0.145) | 0.008 (0.029) |  |  |  |  |  |
| *Campania (vs. Abruzzo)* | -1.062 (1.126) | -2.589 (9.221) | -0.542 (1.412) | 0.112\* (0.068) | 0.122\*\* (0.055) |  |  |  |  |  |
| *Emilia-Romagna (vs. Abruzzo)* | -0.409 (1.009) | 1.632 (9.133) | -0.876 (1.409) | 0.036 (0.061) | 0.147\* (0.082) |  |  |  |  |  |
| *Friuli-Venezia Giulia (vs. Abruzzo)* | -0.222 (1.067) | -9.134 (12.406) | -0.944 (1.446) | 0.171 (0.132) | 0.109 (0.099) |  |  |  |  |  |
| *Lazio (vs. Abruzzo)* | -0.279 (1.109) | -4.217 (10.682) | -0.266 (1.409) | 0.119\* (0.065) | 0.200\*\*\* (0.074) |  |  |  |  |  |
| *Liguria (vs. Abruzzo)* | -0.970 (1.019) | -5.262 (9.072) | -0.184 (1.455) | 0.042 (0.091) | 0.033 (0.030) |  |  |  |  |  |
| *Lombardy (vs. Abruzzo)* | -0.882 (0.968) | -3.042 (8.900) | 0.036 (1.372) | 0.098\* (0.053) | 0.069\* (0.036) |  |  |  |  |  |
| *Marche (vs. Abruzzo)* | 0.275 (1.080) | -0.457 (9.036) | -0.009 (1.451) | 0.235 (0.192) | -0.001 (0.024) |  |  |  |  |  |
| *Molise (vs. Abruzzo)* | -0.693 (1.025) | -0.199 (8.623) | -0.314 (1.759) | 0.043 (0.052) | 0.366 (0.385) |  |  |  |  |  |
| *Piedmont (vs. Abruzzo)* | -0.512 (0.983) | -5.216 (9.749) | -0.587 (1.444) | 0.167 (0.109) | 0.181\* (0.099) |  |  |  |  |  |
| *Sardinia (vs. Abruzzo)* | -1.287 (1.031) | 9.655 (9.575) | -1.787 (1.586) | 0.324\* (0.167) | 0.343\*\* (0.161) |  |  |  |  |  |
| *Sicily (vs. Abruzzo)* | -1.001 (1.207) | 0.982 (8.971) | -1.055 (1.408) | 0.148\*\* (0.074) | 0.133\*\* (0.060) |  |  |  |  |  |
| *Trentino - South Tyrol (vs. Abruzzo)* | 0.297 (0.980) | -6.523 (11.157) | -0.047 (1.389) | 0.025 (0.044) | 0.030 (0.029) |  |  |  |  |  |
| *Tuscany (vs. Abruzzo)* | -0.944 (1.013) | 1.323 (9.119) | 0.317 (1.457) | 0.003 (0.042) | 0.096 (0.078) |  |  |  |  |  |
| *Umbria (vs. Abruzzo)* | -1.752 (1.128) | -5.775 (9.990) | -0.031 (1.416) | 0.351\* (0.186) | 0.014 (0.024) |  |  |  |  |  |
| *Veneto (vs. Abruzzo)* | -1.323 (1.016) | -0.665 (9.137) | -0.087 (1.414) | 0.189\*\* (0.084) | 0.083\* (0.049) |  |  |  |  |  |
| *Latgale (vs. Kurzeme)* |  |  |  |  |  | -0.302 (0.340) | -1.770 (4.063) | 0.332 (0.424) | -0.024 (0.058) | -0.160\*\* (0.067) |
| *Pieriga (vs. Kurzeme)* |  |  |  |  |  | -0.094 (0.312) | -5.441 (4.275) | -0.080 (0.416) | 0.010 (0.058) | -0.046 (0.074) |
| *Riga (vs. Kurzeme)* |  |  |  |  |  | 0.268 (0.385) | -0.765 (3.070) | 0.198 (0.348) | 0.183\*\*\* (0.056) | -0.102 (0.082) |
| *Vidzeme (vs. Kurzeme)* |  |  |  |  |  | -0.197 (0.349) | -4.531 (3.982) | -0.304 (0.465) | 0.020 (0.067) | -0.009 (0.080) |
| *Zemgale (vs. Kurzeme)* |  |  |  |  |  | -0.019 (0.298) | -4.748 (3.979) | 0.376 (0.356) | 0.059 (0.055) | -0.121\* (0.066) |
| Constant | -0.883 (1.093) | -3.181 (10.107) | -0.205 (1.292) | 0.018 (0.094) | 0.083 (0.073) | 0.080 (0.543) | 10.516 (7.162) | -0.732 (0.511) | 0.133 (0.090) | 0.227\*\* (0.099) |
| N | 262 | 359 | 398 | 398 | 398 | 352 | 345 | 421 | 432 | 431 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C9: OLS results of the multivariate models, controlling for heating degree days—pooled sample and Denmark.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pooled sample | | | | | Denmark | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.165\*\* (0.055) | 0.211 (0.486) | 0.029 (0.057) | 0.084\* (0.030) | 0.048\* (0.019) | -0.226 (0.145) | 0.629 (2.739) | -0.118 (0.189) | 0.134\*\*\* (0.049) | 0.029 (0.042) |
| *Female (vs. male)* | -0.081 (0.081) | 0.017 (0.713) | -0.017 (0.047) | 0.010 (0.019) | 0.030 (0.021) | 0.143 (0.139) | 1.859 (2.361) | 0.047 (0.172) | 0.048 (0.035) | 0.108\*\*\* (0.038) |
| *Age* | 0.008 (0.005) | 0.080\* (0.032) | 0.001 (0.003) | 0.000 (0.000) | -0.001\*\* (0.000) | 0.008\* (0.005) | 0.158\*\* (0.066) | -0.006 (0.005) | -0.000 (0.001) | -0.000 (0.001) |
| *Income per person (in €1000)* | 0.003 (0.004) | -0.459\*\* (0.108) | -0.005 (0.004) | -0.005\*\*\* (0.001) | -0.005\*\* (0.001) | 0.001 (0.015) | -0.700\*\*\* (0.258) | 0.000 (0.017) | -0.006 (0.003) | -0.006 (0.004) |
| *Academic degree (vs. no academic degree)* | 0.102 (0.096) | 0.450 (0.425) | 0.025 (0.046) | -0.036 (0.018) | -0.010 (0.012) | -0.033 (0.124) | 1.551 (2.182) | -0.102 (0.172) | 0.014 (0.036) | 0.006 (0.034) |
| *Single-family home (vs. multi-family)* | -0.012 (0.073) | -0.508 (1.078) | 0.072 (0.072) | -0.001 (0.030) | -0.002 (0.012) | 0.045 (0.190) | 0.213 (2.435) | 0.226 (0.219) | -0.033 (0.042) | -0.026 (0.047) |
| *Homeowner (vs. tenant)* | 0.030 (0.076) | -0.522 (0.789) | -0.150 (0.087) | 0.005 (0.021) | -0.015 (0.024) | -0.003 (0.151) | -2.897 (2.174) | -0.041 (0.188) | 0.003 (0.041) | -0.080\* (0.045) |
| *Urban (vs. town/rural)* | 0.020 (0.066) | 0.723 (0.534) | 0.136 (0.139) | 0.015 (0.010) | -0.009 (0.010) | 0.007 (0.169) | 0.609 (2.172) | -0.146 (0.202) | 0.017 (0.037) | -0.004 (0.040) |
| *Difference in heating degree days* | 0.001 (0.001) | 0.005 (0.010) | -0.000 (0.001) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.007) | -0.056 (0.122) | -0.000 (0.009) | 0.001 (0.002) | -0.002 (0.002) |
| *Denmark (vs. Germany)* | 0.308\* (0.115) | 2.576\* (1.161) | 0.292 (0.185) | -0.050\*\*\* (0.006) | 0.029 (0.016) |  |  |  |  |  |
| *France (vs. Germany)* | 0.134\*\* (0.032) | -0.116 (0.116) | -0.048 (0.028) | -0.048\*\*\* (0.005) | -0.070\*\*\* (0.006) |  |  |  |  |  |
| *Italy (vs. Germany)* | 0.286 (0.152) | -2.896 (2.226) | -0.046 (0.274) | -0.075\*\* (0.020) | -0.049\*\* (0.015) |  |  |  |  |  |
| *Latvia (vs. Germany)* | 0.124 (0.204) | -4.302 (2.847) | 0.294 (0.334) | -0.125\*\*\* (0.019) | -0.027 (0.025) |  |  |  |  |  |
| Constant | -0.927 (0.519) | 1.342 (4.303) | -0.498 (0.585) | 0.223\*\*\* (0.027) | 0.205\*\*\* (0.030) | -0.733 (1.612) | -12.192 (29.900) | 0.161 (2.202) | 0.378 (0.393) | -0.136 (0.454) |
| N | 1722 | 1886 | 2094 | 2138 | 2136 | 352 | 367 | 409 | 412 | 412 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C10: OLS results of the multivariate models, controlling for heating degree days—France and Germany.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | France | | | | | Germany | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | -0.072 (0.136) | -1.485 (2.293) | -0.032 (0.272) | 0.111\*\* (0.044) | 0.043 (0.028) | -0.321\* (0.188) | 1.221 (2.075) | -0.106 (0.137) | 0.155\*\*\* (0.043) | 0.100\*\*\* (0.037) |
| *Female (vs. male)* | -0.285\*\* (0.136) | -1.584 (1.982) | -0.164 (0.241) | -0.045 (0.036) | 0.005 (0.022) | -0.014 (0.183) | -1.418 (2.043) | -0.031 (0.132) | 0.052 (0.040) | 0.030 (0.032) |
| *Age* | 0.004 (0.005) | -0.037 (0.062) | -0.007 (0.010) | 0.000 (0.001) | -0.000 (0.001) | 0.023\*\*\* (0.008) | 0.102 (0.069) | 0.000 (0.005) | -0.000 (0.001) | -0.002\* (0.001) |
| *Income per person (in €1000)* | -0.005 (0.014) | -0.441\* (0.254) | -0.021 (0.028) | -0.004 (0.004) | -0.003\*\* (0.002) | 0.007 (0.014) | -0.245 (0.197) | -0.003 (0.010) | -0.006\* (0.003) | -0.006\*\*\* (0.002) |
| *Academic degree (vs. no academic degree)* | -0.158 (0.141) | 0.816 (2.076) | -0.078 (0.282) | -0.029 (0.037) | -0.046\*\* (0.022) | 0.211 (0.175) | -0.431 (2.292) | 0.112 (0.148) | -0.028 (0.040) | 0.001 (0.036) |
| *Single-family home (vs. multi-family)* | 0.156 (0.137) | 3.675\* (1.967) | 0.059 (0.362) | 0.027 (0.047) | -0.021 (0.027) | -0.210 (0.235) | -1.018 (2.112) | -0.221 (0.170) | 0.111\*\* (0.048) | -0.027 (0.034) |
| *Homeowner (vs. tenant)* | -0.085 (0.155) | -1.638 (2.032) | -0.016 (0.397) | 0.010 (0.048) | 0.032 (0.032) | 0.272 (0.231) | 1.701 (2.163) | 0.034 (0.160) | -0.066 (0.050) | 0.034 (0.033) |
| *Urban (vs. town/rural)* | 0.101 (0.129) | 2.117 (1.735) | 0.451\* (0.269) | 0.043 (0.040) | -0.003 (0.021) | -0.183 (0.206) | 0.365 (1.707) | -0.193 (0.148) | 0.006 (0.038) | 0.013 (0.033) |
| *Difference in heating degree days* | 0.004\*\* (0.002) | -0.013 (0.027) | 0.008\*\* (0.003) | -0.000 (0.000) | -0.000 (0.000) | 0.001 (0.002) | -0.016 (0.018) | -0.001 (0.001) | 0.000 (0.000) | -0.000 (0.000) |
| Constant | 1.018 (0.825) | -0.412 (11.791) | 3.112\*\* (1.336) | 0.113 (0.194) | -0.075 (0.112) | -1.648\*\* (0.808) | -9.729 (8.329) | -0.287 (0.530) | 0.190 (0.143) | 0.205\* (0.123) |
| N | 390 | 393 | 425 | 440 | 439 | 366 | 422 | 441 | 456 | 456 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |

Table C11: OLS results of the multivariate models, controlling for heating degree days—Italy and Latvia.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Italy | | | | | Latvia | | | | |
|  | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments | Room temperature | Heated area | Frequency of bathing & showering | Room temperature perceived as unsafe | Worried about energy bill payments |
| *Significant price increase* | 0.051 (0.226) | 0.429 (1.794) | 0.184 (0.192) | 0.007 (0.038) | -0.006 (0.030) | -0.236 (0.172) | -1.023 (1.958) | 0.149 (0.192) | 0.029 (0.032) | 0.075\*\* (0.033) |
| *Female (vs. male)* | 0.178 (0.202) | -0.052 (1.635) | 0.128 (0.195) | -0.007 (0.040) | -0.029 (0.035) | -0.180 (0.162) | 1.237 (1.667) | -0.042 (0.182) | -0.014 (0.032) | 0.041 (0.034) |
| *Age* | 0.018\*\* (0.009) | 0.147\* (0.080) | 0.001 (0.007) | 0.001 (0.001) | -0.000 (0.001) | -0.005 (0.006) | 0.039 (0.084) | 0.012\*\* (0.006) | 0.001 (0.001) | -0.001 (0.001) |
| *Income per person (in €1000)* | 0.001 (0.019) | -0.459\*\* (0.216) | -0.000 (0.021) | -0.009\*\*\* (0.003) | -0.001 (0.003) | 0.035 (0.046) | -2.053\*\* (0.803) | 0.036 (0.041) | 0.001 (0.009) | -0.008 (0.009) |
| *Academic degree (vs. no academic degree)* | 0.232 (0.225) | 1.545 (2.272) | 0.090 (0.240) | -0.113\*\*\* (0.035) | -0.030 (0.031) | 0.267 (0.174) | 0.826 (1.968) | -0.008 (0.197) | -0.026 (0.033) | 0.011 (0.036) |
| *Single-family home (vs. multi-family)* | 0.128 (0.232) | -3.300 (2.438) | -0.005 (0.210) | -0.046 (0.039) | 0.031 (0.035) | -0.152 (0.208) | -2.520 (2.561) | 0.058 (0.224) | -0.036 (0.036) | 0.029 (0.037) |
| *Homeowner (vs. tenant)* | 0.108 (0.297) | -1.960 (2.008) | -0.349 (0.267) | 0.063 (0.043) | -0.034 (0.040) | -0.221 (0.225) | -2.017 (1.604) | -0.523\* (0.309) | -0.045 (0.055) | -0.004 (0.049) |
| *Urban (vs. town/rural)* | -0.075 (0.223) | 2.654 (1.851) | 0.328\* (0.192) | 0.029 (0.041) | -0.010 (0.030) | 0.154 (0.206) | 0.826 (1.850) | 0.019 (0.193) | -0.021 (0.037) | -0.029 (0.035) |
| *Difference in heating degree days* | -0.001 (0.001) | 0.018\*\* (0.008) | -0.002\* (0.001) | 0.000 (0.000) | 0.000 (0.000) | 0.001 (0.005) | 0.051 (0.058) | -0.008 (0.006) | -0.001 (0.001) | 0.003\*\* (0.001) |
| Constant | -1.744\*\* (0.680) | -1.684 (5.270) | -0.803\* (0.484) | 0.168 (0.106) | 0.184\*\* (0.090) | -0.035 (0.730) | 13.636 (8.812) | -1.567\*\* (0.773) | 0.013 (0.120) | 0.457\*\*\* (0.152) |
| N | 262 | 359 | 398 | 398 | 398 | 352 | 345 | 421 | 432 | 431 |
| Note: Robust standard errors in parentheses. \*\*\*p<0.01, \*\*p<0.05, \*p<0.01 | | | | | | | | | | |