## Online Appendix

# The Value of Leisure Synchronization 

Simon Georges-Kot, Dominique Goux, and Eric Maurin

Table A1. Descriptive Statistics

|  | Couples without children |  | Couples with children |  | All |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (1) Spouse selfempl. | (2) <br> Spouse employee | (3) <br> Spouse selfempl. | (4) <br> Spouse employee | (5) <br> Spouse selfempl. | (6) Spouse employee |
| Education |  |  |  |  |  |  |
| College (3 years or more) | 0.24 | 0.26 | 0.26 | 0.26 | 0.25 | 0.26 |
| College (2 years dipl.) | 0.13 | 0.19 | 0.21 | 0.22 | 0.19 | 0.21 |
| High school dipl. | 0.19 | 0.19 | 0.23 | 0.21 | 0.21 | 0.20 |
| Vocational secondary | 0.30 | 0.24 | 0.22 | 0.22 | 0.24 | 0.23 |
| End of middle school dipl. | 0.05 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| No dipl. | 0.09 | 0.07 | 0.05 | 0.06 | 0.07 | 0.06 |
| Age |  |  |  |  |  |  |
| Age less than 30 | 0.06 | 0.12 | 0.02 | 0.02 | 0.03 | 0.05 |
| Age 30-39 | 0.10 | 0.17 | 0.23 | 0.28 | 0.19 | 0.25 |
| Age 40-49 | 0.10 | 0.13 | 0.43 | 0.44 | 0.32 | 0.35 |
| Age 50-59 | 0.51 | 0.43 | 0.28 | 0.24 | 0.35 | 0.29 |
| Age 60 or more | 0.24 | 0.14 | 0.04 | 0.02 | 0.10 | 0.06 |
| Industry |  |  |  |  |  |  |
| Agriculture | 0.25 | 0.14 | 0.24 | 0.11 | 0.24 | 0.12 |
| Food industry | 0.03 | 0.01 | 0.03 | 0.01 | 0.03 | 0.01 |
| Other manufacturing ind | 0.03 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 |
| Construction | 0.04 | 0.14 | 0.05 | 0.15 | 0.05 | 0.15 |
| Retail | 0.15 | 0.14 | 0.16 | 0.14 | 0.16 | 0.14 |
| Transportation | 0.01 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 |
| Finance | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Real estate | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Hotel and catering | 0.30 | 0.31 | 0.29 | 0.31 | 0.30 | 0.31 |
| Health, education, public adm. | 0.14 | 0.14 | 0.13 | 0.16 | 0.13 | 0.16 |
| Unknown | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Observations | 30,320 | 44,280 | 63,010 | 113,330 | 93,330 | 157,610 |

$\overline{\text { Note: the table refers to the same sample of self-employed as Table 1. Columns (1), (3) and (5) refers to the }}$ subsample of self-employed whose spouse is self-employed while column (2), (4) and (6) refers to the subsample of those whose spouse is an employee. Source: Labor Force Survey, 2013-2019, Insee.

Table A2. Synchronization of Days of Leave in Couples with and without Children

|  | Probability to take a day off |  |  |
| :---: | :---: | :---: | :---: |
|  | All <br> (1) | Male <br> (2) | Female <br> (3) |
| Panel A : without children |  |  |  |
| When spouse takes a day off | 0.493 | 0.433 | 0.624 |
| When spouse works | 0.067 | 0.050 | 0.091 |
| Number of observations | 74,600 | 45,850 | 28,750 |
| Panel B : with children |  |  |  |
| When spouse takes a day off | 0.462 | 0.393 | 0.619 |
| When spouse works | 0.080 | 0.049 | 0.125 |
| Number of observations | 176,340 | 108,195 | 68,145 |
| Note: the table refers to the same working sample as Table 1. Reading: Among couples without children, the probability that self-employed worker take a day off work is 0.493 when their spouses are off work, but only 0.067 when the spouses are not off work. |  |  |  |

Table A3. The Impact of a Day Off Taken by the Spouse on Own Probability to Take a Day Off: Instrumental Variable Estimates (Main Strategy).


Table A4. Public Holidays and the Probability of Self-employed Spouse Taking a Day Off (Sample Excluding Agricultural and Construction Sectors).

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Public holiday x spouse employee | 0.173 | 0.183 | 0.169 |
|  | $(0.029)$ | $(0.035)$ | $(0.036)$ |
| Nb. pub. hol. on same week x spouse employee | 0.051 | 0.065 | 0.047 |
|  | $(0.020)$ | $(0.024)$ | $(0.027)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.014 | 0.008 | 0.023 |
|  | $(0.013)$ | $(0.016)$ | $(0.017)$ |
| Nb. pub. hol. rest of the year x spouse employee | -0.003 | 0.002 | -0.007 |
|  | $(0.006)$ | $(0.007)$ | $(0.008)$ |
| Observations | 53,735 | 29,655 | 24,080 |
| Mean dep. var. | 0.197 | 0.214 | 0.175 |
| Panel B: with children |  |  |  |
| Public holiday x spouse employee | 0.106 | 0.107 | 0.113 |
|  | $(0.020)$ | $(0.024)$ | $(0.024)$ |
| Nb. pub. hol. on same week x spouse employee | 0.088 | 0.106 | 0.067 |
|  | $(0.014)$ | $(0.018)$ | $(0.017)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.018 | 0.024 | 0.012 |
|  | $(0.008)$ | $(0.010)$ | $(0.010)$ |
| Nb. pub. hol. rest of the year x spouse employee | 0.003 | 0.008 | -0.004 |
|  | $(0.004)$ | $(0.005)$ | $(0.005)$ |
| Observations | 127,680 | 69,225 | 58,455 |
| Mean dep. var. | 0.208 | 0.233 | 0.178 |
| Nata |  |  |  |

Note: the table refers to the same sample of self-employed as Table 1 excluding agriculture and construction. It shows the results of regressing a variable indicating that their spouses do not work on a given weekday $d$ on variables indicating (1) that $d$ is a public holiday, (2) the number of public holidays falling on the same week as $d$ (but not on $d$ ), (3) the number of public holidays falling on adjacent weeks, (4) the number of public holidays falling within the remainder of the one-year interval surrounding $d$, as well as the interactions between these 4 variables and a dummy indicating that spouses are employees. Only the 4 regression coefficients corresponding to these interaction variables are reported in the table (panel A referring to the sub-sample without children and panel B to the sub-sample with children). Additional controls include full sets of day of the week, week of the year, and year of observation fixed effects, as well as controls for school holidays, education, age and gender. We also include a set of ten industry dummy variables and their interactions with the dummy variable indicating that $d$ is a public holiday. Column (1) shows the results for the full sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

## Table A5. Public Holidays and the Probability of Self-employed Taking a Day Off (Sample Excluding Agricultural and Construction Sectors)

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Public holiday x spouse employee | 0.092 | 0.069 | 0.107 |
|  | $(0.030)$ | $(0.034)$ | $(0.039)$ |
| Nb. pub. hol. on week x spouse employee | 0.011 | -0.005 | 0.019 |
|  | $(0.019)$ | $(0.022)$ | $(0.024)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.018 | 0.014 | 0.022 |
|  | $(0.012)$ | $(0.014)$ | $(0.016)$ |
| Nb. pub. hol. rest of the year x spouse employee | 0.004 | 0.002 | 0.005 |
|  | $(0.006)$ | $(0.006)$ | $(0.007)$ |
| Observations | 53,735 | 29,655 | 24,080 |
| Mean dep. var. | 0.171 | 0.152 | 0.195 |
| Panel B: with children |  |  |  |
| Public holiday x spouse employee | 0.035 | 0.063 | -0.002 |
|  | $(0.020)$ | $(0.025)$ | $(0.025)$ |
| Nb. pub. hol. on week x spouse employee | 0.038 | 0.041 | 0.028 |
|  | $(0.014)$ | $(0.016)$ | $(0.018)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.008 | 0.015 | -0.008 |
|  | $(0.008)$ | $(0.009)$ | $(0.010)$ |
| Nb. pub. hol. rest of the year x spouse employee | -0.000 | -0.002 | -0.001 |
|  | $(0.004)$ | $(0.005)$ | $(0.005)$ |
| Observations | 127,680 | 69,225 | 58,455 |
| Mean dep. var. | 0.182 | 0.145 | 0.226 |
| Noter |  |  |  |

Note: the table refers to the same sample of self-employed as Table 1 excluding agriculture and construction. It shows the results of regressing a variable indicating that they do not work on a given weekday $d$ on variables indicating (1) that $d$ is a public holiday, (2) the number of public holidays falling on the same week as $d$ (but not on $d$ ), (3) the number of public holidays falling on adjacent weeks, (4) the number of public holidays falling within the remainder of the one-year interval surrounding $d$, as well as the interactions between these 4 variables and a dummy indicating that spouses are employees. Only the 4 regression coefficients corresponding to these interaction variables are reported in the table (panel A referring to the sub-sample without children and panel B to the sub-sample with children). Additional controls include full sets of day of the week, week of the year, and year of observation fixed effects, as well as controls for school holidays, education, age and gender. We also include a set of ten industry dummy variables and their interactions with the dummy variable indicating that $d$ is a public holiday. Column (1) shows the results for the full sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

Table A6. Public Holidays and the Probability of Self-employed Spouses Taking a Day Off (Model with Larger Number of Potential Effects of Public Holidays)

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Public holiday | 0.453 | 0.402 | 0.498 |
|  | $(0.036)$ | $(0.051)$ | $(0.042)$ |
| Public holiday $x$ spouse employee | 0.218 | 0.226 | 0.191 |
|  | $(0.025)$ | $(0.029)$ | $(0.034)$ |
| Nb. pub. hol. on same week $w_{0} x$ spouse employee | 0.059 | 0.073 | 0.052 |
|  | $(0.017)$ | $(0.020)$ | $(0.025)$ |
| Nb. pub. hol. on weeks $w_{0}-1$ or $w_{0}+1 \times$ spouse employee | 0.019 | 0.015 | 0.026 |
|  | $(0.011)$ | $(0.013)$ | $(0.015)$ |
| Nb. pub. hol. on weeks $w_{0}-2$ or $w_{0}+2$ x spouse employee | 0.000 | 0.014 | -0.016 |
|  | $(0.012)$ | $(0.015)$ | $(0.016)$ |
| Nb. pub. hol. on weeks $w_{0}-3$ or $w_{0}+3 \mathrm{x}$ spouse employee | -0.022 | -0.017 | -0.031 |
|  | $(0.012)$ | $(0.014)$ | $(0.016)$ |
| Nb. pub. hol. on weeks $w_{0}-4$ or $w_{0}+4 \times$ spouse employee | -0.009 | -0.002 | -0.019 |
|  | $(0.012)$ | $(0.014)$ | $(0.015)$ |
| Nb. pub. hol. rest of the quarter $x$ spouse employee | -0.005 | 0.004 | -0.022 |
|  | $(0.008)$ | $(0.010)$ | $(0.012)$ |
| Nb. pub. hol. rest of the semester $x$ spouse employee | 0.001 | 0.007 | -0.008 |
|  | $(0.006)$ | $(0.008)$ | $(0.009)$ |
| Nb. pub. hol. rest of the year $x$ spouse employee | -0.002 | 0.004 | -0.009 |
| Observations | $(0.005)$ | $(0.006)$ | $(0.007)$ |
| Mean dep. var. | 74,600 | 45,850 | 28,750 |

Table A6 (continued)

|  | $\begin{aligned} & \hline \text { (1) } \\ & \text { All } \end{aligned}$ | (2) <br> Male | (3) Female |
| :---: | :---: | :---: | :---: |
| Panel B: with children |  |  |  |
| Public holiday | $\begin{gathered} 0.423 \\ (0.022) \end{gathered}$ | $\begin{gathered} 0.428 \\ (0.029) \end{gathered}$ | $\begin{gathered} 0.432 \\ (0.028) \end{gathered}$ |
| Public holiday x spouse employee | $\begin{gathered} 0.177 \\ (0.017) \end{gathered}$ | $\begin{gathered} 0.176 \\ (0.020) \end{gathered}$ | $\begin{gathered} 0.166 \\ (0.024) \end{gathered}$ |
| Nb. pub. hol. on same week $\mathrm{w}_{0} \mathrm{x}$ spouse employee | $\begin{gathered} 0.095 \\ (0.012) \end{gathered}$ | $\begin{gathered} 0.096 \\ (0.015) \end{gathered}$ | $\begin{gathered} 0.092 \\ (0.015) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-1$ or $\mathrm{w}_{0}+1 \mathrm{x}$ spouse employee | $\begin{gathered} 0.017 \\ (0.007) \end{gathered}$ | $\begin{gathered} 0.018 \\ (0.009) \end{gathered}$ | $\begin{gathered} 0.016 \\ (0.009) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-2$ or $\mathrm{w}_{0}+2 \mathrm{x}$ spouse employee | $\begin{gathered} -0.017 \\ (0.008) \end{gathered}$ | $\begin{gathered} -0.010 \\ (0.010) \end{gathered}$ | $\begin{aligned} & -0.029 \\ & (0.010) \end{aligned}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-3$ or $\mathrm{w}_{0}+3 \mathrm{x}$ spouse employee | $\begin{gathered} -0.006 \\ (0.008) \end{gathered}$ | $\begin{aligned} & -0.004 \\ & (0.010) \end{aligned}$ | $\begin{gathered} -0.011 \\ (0.011) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-4$ or $\mathrm{w}_{0}+4 \mathrm{x}$ spouse employee | $\begin{aligned} & -0.003 \\ & (0.007) \end{aligned}$ | $\begin{gathered} -0.002 \\ (0.009) \end{gathered}$ | $\begin{aligned} & -0.002 \\ & (0.010) \end{aligned}$ |
| Nb. pub. hol. rest of the quarter x spouse employee | $\begin{gathered} -0.021 \\ (0.006) \end{gathered}$ | $\begin{gathered} -0.026 \\ (0.007) \end{gathered}$ | $\begin{aligned} & -0.015 \\ & (0.007) \end{aligned}$ |
| Nb . pub. hol. rest of the semester x spouse employee | $\begin{gathered} 0.008 \\ (0.004) \end{gathered}$ | $\begin{gathered} 0.012 \\ (0.005) \end{gathered}$ | $\begin{gathered} 0.000 \\ (0.005) \end{gathered}$ |
| Nb. pub. hol. rest of the year x spouse employee | $\begin{gathered} 0.000 \\ (0.003) \end{gathered}$ | $\begin{gathered} 0.003 \\ (0.004) \end{gathered}$ | $\begin{aligned} & -0.004 \\ & (0.004) \end{aligned}$ |
| Observations | 176,340 | 108,195 | 68,145 |
| Mean dep. var. | 0.207 | 0.234 | 0.164 |

Note: the table refers to the same sample of self-employed as Table 1. It shows the results of regressing a variable indicating that their spouses do not work on a given weekday $d$ on 9 variables indicating (1) that $d$ falls on a public holiday, (2) the number of public holidays falling on the same week (denoted $\mathrm{w}_{0}$ ) as $d$ (but not on $d$ ), (3) the number of public holidays falling on the 2 adjacent weeks (i.e., $\mathrm{w}_{0}-1$ or $\mathrm{w}_{0}+1$ ), (4) the number of public holidays falling on the $\mathrm{w}_{0}-2$ or $\mathrm{w}_{0}+12, \ldots$, and (9) the number of public holidays falling within the remainder of the oneyear interval surrounding $d$, as well as the interactions between these 9 variables and a dummy indicating that spouses are employees. Additional controls include full sets of day of the week, week of the year, and year of observation fixed effects, as well as controls for school holidays, education, age and gender. We also include a set of ten industry dummy variables and their interactions with the dummy variable indicating that $d$ is a public holiday. Column (1) shows the results for the whole sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

Table A7. Public Holidays and the Probability of Self-employed Taking a Day Off (Model with Larger Number of Potential Effects of Public Holidays)

|  | $\begin{aligned} & \text { (1) } \\ & \text { All } \end{aligned}$ | (2) <br> Male | (3) Female |
| :---: | :---: | :---: | :---: |
| Panel A: without children Public holiday | $\begin{gathered} 0.486 \\ (0.035) \end{gathered}$ | $\begin{gathered} 0.541 \\ (0.046) \end{gathered}$ | $\begin{gathered} 0.441 \\ (0.045) \end{gathered}$ |
| Public holiday x spouse employee | $\begin{gathered} 0.072 \\ (0.025) \end{gathered}$ | $\begin{gathered} 0.058 \\ (0.028) \end{gathered}$ | $\begin{gathered} 0.087 \\ (0.037) \end{gathered}$ |
| Nb. pub. hol. on same week $\mathrm{w}_{0} \mathrm{x}$ spouse employee | $\begin{gathered} 0.014 \\ (0.016) \end{gathered}$ | $\begin{gathered} 0.004 \\ (0.018) \end{gathered}$ | $\begin{gathered} 0.013 \\ (0.023) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-1$ or $\mathrm{w}_{0}+1 \mathrm{x}$ spouse employee | $\begin{gathered} 0.015 \\ (0.010) \end{gathered}$ | $\begin{gathered} 0.012 \\ (0.011) \end{gathered}$ | $\begin{gathered} 0.021 \\ (0.015) \end{gathered}$ |
| Nb . pub. hol. on weeks $\mathrm{w}_{0}-2$ or $\mathrm{w}_{0}+2 \mathrm{x}$ spouse employee | $\begin{gathered} 0.007 \\ (0.011) \end{gathered}$ | $\begin{gathered} 0.001 \\ (0.012) \end{gathered}$ | $\begin{gathered} 0.012 \\ (0.016) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-3$ or $\mathrm{w}_{0}+3 \mathrm{x}$ spouse employee | $\begin{gathered} -0.024 \\ (0.011) \end{gathered}$ | $\begin{gathered} -0.017 \\ (0.012) \end{gathered}$ | $\begin{aligned} & -0.040 \\ & (0.015) \end{aligned}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-4$ or $\mathrm{w}_{0}+4 \mathrm{x}$ spouse employee | $\begin{gathered} 0.009 \\ (0.011) \end{gathered}$ | $\begin{gathered} 0.009 \\ (0.012) \end{gathered}$ | $\begin{gathered} 0.008 \\ (0.016) \end{gathered}$ |
| Nb. pub. hol. rest of the quarter x spouse employee | $\begin{gathered} -0.002 \\ (0.008) \end{gathered}$ | $\begin{gathered} 0.001 \\ (0.009) \end{gathered}$ | $\begin{gathered} -0.012 \\ (0.011) \end{gathered}$ |
| Nb . pub. hol. rest of the semester x spouse employee | $\begin{gathered} 0.002 \\ (0.006) \end{gathered}$ | $\begin{gathered} -0.000 \\ (0.006) \end{gathered}$ | $\begin{gathered} 0.003 \\ (0.008) \end{gathered}$ |
| Nb. pub. hol. rest of the year x spouse employee | $\begin{gathered} 0.002 \\ (0.005) \end{gathered}$ | $\begin{gathered} -0.002 \\ (0.005) \end{gathered}$ | $\begin{gathered} 0.005 \\ (0.007) \end{gathered}$ |
| Observations | 74,600 | 45,850 | 28,750 |
| Mean dep. var. | 0.148 | 0.132 | 0.174 |

Table A7 (continued)

|  | $\begin{aligned} & \text { (1) } \\ & \text { All } \\ & \hline \end{aligned}$ | (2) Male | (3) <br> Female |
| :---: | :---: | :---: | :---: |
| Panel B: with children |  |  |  |
| Public holiday | $\begin{gathered} 0.426 \\ (0.023) \end{gathered}$ | $\begin{gathered} 0.488 \\ (0.032) \end{gathered}$ | $\begin{gathered} 0.414 \\ (0.028) \end{gathered}$ |
| Public holiday x spouse employee | $\begin{gathered} 0.051 \\ (0.017) \end{gathered}$ | $\begin{gathered} 0.075 \\ (0.019) \end{gathered}$ | $\begin{gathered} 0.011 \\ (0.024) \end{gathered}$ |
| Nb. pub. hol. on same week $\mathrm{w}_{0} \mathrm{x}$ spouse employee | $\begin{gathered} 0.042 \\ (0.011) \end{gathered}$ | $\begin{gathered} 0.047 \\ (0.012) \end{gathered}$ | $\begin{gathered} 0.031 \\ (0.016) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-1$ or $\mathrm{w}_{0}+1 \mathrm{x}$ spouse employee | $\begin{gathered} 0.006 \\ (0.007) \end{gathered}$ | $\begin{gathered} 0.012 \\ (0.007) \end{gathered}$ | $\begin{aligned} & -0.011 \\ & (0.009) \end{aligned}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-2$ or $\mathrm{w}_{0}+2 \mathrm{x}$ spouse employee | $\begin{gathered} -0.013 \\ (0.007) \end{gathered}$ | $\begin{aligned} & -0.016 \\ & (0.008) \end{aligned}$ | $\begin{aligned} & -0.009 \\ & (0.011) \end{aligned}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-3$ or $\mathrm{w}_{0}+3 \mathrm{x}$ spouse employee | $\begin{gathered} -0.002 \\ (0.008) \end{gathered}$ | $\begin{gathered} -0.003 \\ (0.008) \end{gathered}$ | $\begin{gathered} -0.004 \\ (0.011) \end{gathered}$ |
| Nb. pub. hol. on weeks $\mathrm{w}_{0}-4$ or $\mathrm{w}_{0}+4 \mathrm{x}$ spouse employee | $\begin{gathered} -0.004 \\ (0.007) \end{gathered}$ | $\begin{gathered} -0.007 \\ (0.008) \end{gathered}$ | $\begin{aligned} & -0.002 \\ & (0.010) \end{aligned}$ |
| Nb. pub. hol. rest of the quarter x spouse employee | $\begin{gathered} -0.009 \\ (0.005) \end{gathered}$ | $\begin{gathered} -0.009 \\ (0.006) \end{gathered}$ | $\begin{aligned} & -0.009 \\ & (0.008) \end{aligned}$ |
| Nb . pub. hol. rest of the semester x spouse employee | $\begin{gathered} 0.000 \\ (0.004) \end{gathered}$ | $\begin{gathered} -0.001 \\ (0.004) \end{gathered}$ | $\begin{gathered} 0.001 \\ (0.006) \end{gathered}$ |
| Nb. pub. hol. rest of the year x spouse employee | $\begin{aligned} & -0.002 \\ & (0.003) \end{aligned}$ | $\begin{gathered} -0.002 \\ (0.003) \end{gathered}$ | $\begin{aligned} & -0.003 \\ & (0.005) \end{aligned}$ |
| Observations | 176,340 | 108,195 | 68,145 |
| Mean dep. var. | 0.159 | 0.130 | 0.205 |

Note: the table shows the regression result of the same model as Table A6, on the same sample of self-employed workers, when the dependent variable is a dummy indicating that they (rather than their spouses) do not work during a given weekday $d$. Source: Labor Force Survey, 2013-2019, Insee. Standard errors clustered at the household level are reported in parentheses.

Table A8. Weeks with a Public Holiday and the Probability of Self-employed Spouses Taking a Day Off

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Nb. pub. hol. in the week x spouse employee | 0.0930 | 0.1071 | 0.0798 |
|  | $(0.0159)$ | $(0.0186)$ | $(0.0222)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.0163 | 0.0131 | 0.0247 |
|  | $(0.0108)$ | $(0.0128)$ | $(0.0148)$ |
| Nb. pub. hol. rest of the year x spouse employee | -0.0016 | 0.0048 | -0.0092 |
|  | $(0.0052)$ | $(0.0063)$ | $(0.0069)$ |
| Observations | 74,600 | 45,850 | 28,750 |
| Mean dep. var. | 0.192 | 0.214 | 0.157 |
| Panel B: with children |  |  |  |
| Nb. pub. hol. in the week x spouse employee | 0.1045 | 0.1060 | 0.0992 |
|  | $(0.0110)$ | $(0.0135)$ | $(0.0139)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.0118 | 0.0119 | 0.0124 |
|  | $(0.0068)$ | $(0.0084)$ | $(0.0086)$ |
| Nb. pub. hol. rest of the year x spouse employee | 0.0015 | 0.0044 | -0.0032 |
|  | $(0.0035)$ | $(0.0045)$ | $(0.0044)$ |
| Observations | 176,340 | 108,195 | 68,145 |
| Mean dep. var. | 0.207 | 0.234 | 0.164 |

Note: the table refers to the same sample of self-employed as Table 1. It shows the results of regressing a variable indicating that their spouses do not work on a given weekday $d$ on variables indicating (1) the number of public holidays falling on the same week as $d$ (including $d$ ), (2) the number of public holidays falling on adjacent weeks, (3) the number of public holidays falling within the remainder of the one-year interval surrounding $d$, as well as the interactions between these 3 variables and a dummy indicating that spouses are employees. Only the 3 regression coefficients corresponding to these interaction variables are reported in the table (panel A referring to the sub-sample without children and panel B to the sub-sample with children). Additional controls include full sets of day of the week, week of the year, and year of observation fixed effects, as well as controls for school holidays, education, age and gender. We also include a set of ten industry dummy variables and their interactions with the dummy variable indicating that $d$ is a public holiday. Column (1) shows the results for the full sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

Table A9. Weeks with a Public Holiday and the Probability of Self-employed Taking a Day Off

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Nb. pub. hol. on week x spouse employee | 0.0288 | 0.0151 | 0.0355 |
|  | $(0.0146)$ | $(0.0168)$ | $(0.0210)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.0151 | 0.0112 | 0.0220 |
|  | $(0.0099)$ | $(0.0109)$ | $(0.0140)$ |
| Nb. pub. hol. rest of the year x spouse employee | 0.0018 | -0.0013 | 0.0040 |
|  | $(0.0046)$ | $(0.0051)$ | $(0.0066)$ |
| Observations | 74,600 | 45,850 | 28,750 |
| Mean dep. var. | 0.148 | 0.132 | 0.174 |
| Panel B: with children |  |  |  |
| Nb. pub. hol. on week x spouse employee | 0.0410 | 0.0496 | 0.0244 |
|  | $(0.0103)$ | $(0.0113)$ | $(0.0146)$ |
| Nb. pub. hol. adjacent weeks x spouse employee | 0.0039 | 0.0109 | -0.0140 |
|  | $(0.0063)$ | $(0.0069)$ | $(0.0089)$ |
| Nb. pub. hol. rest of the year x spouse employee | -0.0013 | -0.0022 | -0.0023 |
|  | $(0.0032)$ | $(0.0035)$ | $(0.0047)$ |
| Observations | 176,340 | 108,195 | 68,145 |
| Mean dep. var. | 0.159 | 0.130 | 0.205 |

Note: the table refers to the same sample of self-employed as Table 1. It shows the results of regressing a variable indicating that they do not work on a given weekday $d$ on variables indicating (1) the number of public holidays falling on the same week as $d$ (including $d$ ), (2) the number of public holidays falling on adjacent weeks, (3) the number of public holidays falling within the remainder of the one-year interval surrounding $d$, as well as the interactions between these 3 variables and a dummy indicating that spouses are employees. Only the 3 regression coefficients corresponding to these interaction variables are reported in the table (panel A referring to the subsample without children and panel B to the sub-sample with children). Additional controls include full sets of day of the week, week of the year, and year of observation fixed effects, as well as controls for school holidays, education, age and gender. We also include a set of ten industry dummy variables and their interactions with the dummy variable indicating that $d$ is a public holiday. Column (1) shows the results for the full sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

Table A10. The impact of a Day Off taken by the Spouse on Own Probability to Take a Day Off: Instrumental Variable Estimates (Alternative Strategy).

|  | $(1)$ | $(2)$ | $(3)$ |
| :--- | :---: | :---: | :---: |
|  | All | Male | Female |
| Panel A: without children |  |  |  |
| Spouse does not work | 0.295 | 0.213 | 0.494 |
|  | $(0.113)$ | $(0.134)$ | $(0.232)$ |
| Observations | 44,295 | 30,690 | 13,605 |
| Mean dep. var. | 0.158 | 0.137 | 0.206 |
| Panel B: with children |  |  |  |
| Spouse does not work | 0.178 | 0.218 | 0.124 |
|  | $(0.075)$ | $(0.091)$ | $(0.134)$ |
| Observations | 113,330 | 76,690 | 36,640 |
| Mean dep. var. | 0.164 | 0.132 | 0.231 |

Note: the table refers to the same sample of self-employed as Table 4 or Table 5. It shows the results of regressing a variable indicating that they do not work on a dummy variable indicating that their spouse's occupation is on the list in appendix B and and the dummy variable indicating that the observation day is a public holiday as an instrumental variable. The control variables are the same as in Table 5 (except for the excluded instrument). Column (1) shows the results for the full sample, while col. (2) and (3) show the results for the male and female subsamples. Standard errors clustered at the household level are reported in parentheses. Source: Labor Force Survey, 2013-2019, Insee.

Figure A1. Probability of Self-employed Spouses Taking a Day Off Before, During and After Regular Workdays


Note: the figure refers to the sample of self-employed workers whose spouses are either self-employed workers or employees. It shows the proportion of spouses who do not work on a given weekday $d$ when it does not fall on a public holiday ( $\mathrm{d}=0$ ), as well as when it falls on one of the seven previous weekdays $(\mathrm{d}=-1, \ldots-7)$ or on one of the seven following weekdays ( $\mathrm{d}=1, \ldots 7$ ). The dashed line refers to self-employed spouses while the solid line refers to employed spouses. Source: Labor Force Survey, 2013-2019, Insee.

Figure A2. Probability of Self-employed Taking a Day Off Before, During and After Regular Workdays


Note: the figure refers to the sample of self-employed workers whose spouses are either self-employed workers or employees. It shows the proportion who do not work on a given weekday when it does not fall on a public holiday ( $\mathrm{d}=0$ ), as well as when it falls on one of the seven previous weekdays ( $\mathrm{d}=-1, \ldots-7$ ) or on one of the seven following weekdays $(\mathrm{d}=1, \ldots 7)$. The dashed line refers to self-employed spouses while the solid line refers to employed spouses. Source: Labor Force Survey, 2013-2019, Insee.

Figure A3. Differences in the Probability of Taking a Day Off Between Self-employed Whose Spouse is a Former Employee and Self-employed Whose Spouse is a Former Self-employed

## (a) Spouse is Retired


(b) Spouse is out of the Labor Force, but not Retired


Note: figure (a) refers to the same sample of self-employed whose spouses are retired (either as former selfemployed or former employee) and aged 65 or less as Panel A of Table 3. Figure (b) refers to the same sample of self-employed whose spouses are not retired, but out of the labor market (again, as either former self-employed or former employees) aged 65 or less as Panel B of Table 3. Source: Labor Force Survey, 2013-2019, Insee.

## Appendix B. List of Occupations Working on Public Holidays

## Code Label

331. Personnels de direction de la fonction publique (Etat, collectivités locales, hôpitaux)
332. Officiers des Armées et de la Gendarmerie (sauf officiers généraux)
333. Personnes exerçant un mandat politique ou syndical
334. Journalistes (y. c. rédacteurs en chef)

Auteurs littéraires, scénaristes, dialoguistes
377. Cadres de l'hôtellerie et de la restauration
389. Ingénieurs et cadres techniques de l'exploitation des transports

Officiers et cadres navigants techniques et commerciaux de l'aviation civile
Officiers et cadres navigants techniques de la marine marchande
424. Moniteurs et éducateurs sportifs, sportifs professionnels
431. Cadres infirmiers et assimilés

Infirmiers psychiatriques
Puéricultrices
Infirmiers spécialisés (autres qu'infirmiers psychiatriques et puéricultrices)
Sages-femmes (libérales ou salariées)
Infirmiers en soins généraux, salariés
Infirmiers libéraux
441. Clergé séculier

Clergé régulier
452. Inspecteurs et officiers de police

Adjudants-chefs, adjudants et sous-officiers de rang supérieur de l'Armée et de la Gendarmerie
468. Maîtrise de restauration : salle et service

Maîtrise de l'hébergement : hall et étages
488. Maîtrise de restauration : cuisine/production

Maîtrise de restauration : gestion d'établissement
526. Aides-soignants (de la fonction publique ou du secteur privé)

Assistants dentaires, médicaux et vétérinaires, aides de techniciens médicaux
Auxiliaires de puériculture
Aides médico-psychologiques
Ambulanciers salariés (du secteur public ou du secteur privé)
531. Agents de police de l'Etat

Agents des polices municipales
Surveillants de l'administration pénitentiaire
532. Gendarmes (de grade inférieur à adjudant)

Sergents et sous-officiers de grade équivalent des Armées (sauf pompiers militaires) Hommes du rang (sauf pompiers militaires)
534. Agents civils de sécurité et de surveillance

Convoyeurs de fonds, gardes du corps, enquêteurs privés et métiers assimilés (salariés)
546. Contrôleurs des transports (personnels roulants)

Agents des services commerciaux des transports de voyageurs et du tourisme
Employés administratifs d'exploitation des transports de marchandises
Hôtesses de l'air et stewards
Autres agents et hôtesses d'accompagnement (transports, tourisme)
552. Caissiers de magasin
553. Vendeurs non spécialisés
554. Vendeurs en alimentation

Vendeurs en ameublement, décor, équipement du foyer
Vendeurs en droguerie, bazar, quincaillerie, bricolage
Vendeurs du commerce de fleurs
Vendeurs en habillement et articles de sport

## Code Label

Vendeurs en produits de beauté, de luxe (hors biens culturels) et optique
Vendeurs de biens culturels (livres, disques, multimédia, objets d'art)
Vendeurs de tabac, presse et articles divers
Pompistes et gérants de station-service (salariés ou mandataires)
561. Serveurs, commis de restaurant, garçons (bar, brasserie, café ou restaurant)

Aides de cuisine, apprentis de cuisine et employés polyvalents de la restauration
Employés de l'hôtellerie : réception et hall
Employés d'étage et employés polyvalents de l'hôtellerie
Pilotes d'installation lourde des industries de transformation : métallurgie, production verrière,
626. matériaux de construction

Autres opérateurs et ouvriers qualifiés : métallurgie, production verrière, matériaux de construction
Opérateurs et ouvriers qualifiés des industries lourdes du bois et de la fabrication du papiercarton
636. Bouchers (sauf industrie de la viande)

Charcutiers (sauf industrie de la viande)
Boulangers, pâtissiers (sauf activité industrielle)
Cuisiniers et commis de cuisine
642. Conducteurs de taxi (salariés)

Conducteurs de voiture particulière (salariés)
654. Conducteurs qualifiés d'engins de transport guidés
655. Autres agents et ouvriers qualifiés (sédentaires) des services d'exploitation des transports
683. Apprentis boulangers, bouchers, charcutiers
684. Nettoyeurs

Ouvriers non qualifiés de l'assainissement et du traitement des déchets
691. Conducteurs d'engin agricole ou forestier

Ouvriers de l'élevage
Ouvriers du maraîchage ou de l'horticulture
Ouvriers de la viticulture ou de l'arboriculture fruitière
Ouvriers agricoles sans spécialisation particulière
Ouvriers de l'exploitation forestière ou de la sylviculture
692. Marins-pêcheurs et ouvriers de l'aquaculture

