



The 2010 French Time Use Survey and its innovations



1 – samples and timeline



Previous Time Use Surveys in France

- › **1966-1967** : 1st survey
 - Part of the international program initiated by A. Szalai
- › **1974** : urban areas only, 10 000 Households (HH)
- › **1986** : mainland France, 16 000 HH
 - 1 or 2 ind. / HH : 1 sampled person + partner
- › **1998** : mainland France, 12 000 HH
 - All HH members > 15



The 2009-2010 Survey: the base sample

- › 2010: All of France (incl. overseas dpts.)
- › 14 000 sampled households
 - 13 000 for mainland France + 1000 for overseas dpts.
- ↪ Should yield around 8 500 responding HH, 13 000 individuals
 - 1 or 2 ind. / HH : 1 random person + partner
 - Except when there is a couple, the partners are sometimes automatically selected (more later)



The 2009-2010 Survey: 2 extra samples


- › In addition to the original sample :
 - 1700 with a slightly different diary (more later), from March to Sept. 2010
 - 900 teachers (+ partners)



The 2009-2010 Survey: sample overview

› Sample summary:

1.5 individual / HH on avg.



	Sampled HH	Expected HH	Expected Ind
Mainland France	13 000	7 800	12 000
Overseas dpts.	1 000	600	900
Spring-summer 2010 sample	1 700	1 000	1 500
Teachers	900	600	900
Total	16 600	10 000	15 300



Response rate ~ 60%



The 2009-2010 Survey: timeline

- 🕒 Fieldwork: Sept 14, 2009 → Sept 14, 2010
- 🕒 6 survey waves
- 🕒 Interviewers enter the diary data of “their” households
 - Activities are coded by automatic coding software
 - Activities not recognized by software (about 5%) are coded by interviewers

👉 Data should be available around **Q4 2011**



The 2009-2010 Survey: response rates so far

Provisional statistics on survey waves 1 to 4
(sept 2009-april 2010)

	percent	frequency
Non-response or only HH composition	31,5	3256
At least 1 questionnaire + no diary	7,5	774
At least 1 questionnaire + at least 1 diary	61,0	6297
<i>Of which : All questionnaires + at least 1 diary</i>	<i>58,7</i>	<i>6061</i>
<i>Total</i>	100	10327



The 2009-2010 Survey: non-response types

Provisional statistics on survey waves 1 to 4
(sept 2009-april 2010)

	frequency	percent	non- response %
<i>HH accepted interview</i>	7156	69,3	.
Vacant dwelling / not at home	1154	11,2	36,4
Refused or eschewed itw	1207	11,7	38,1
Others	810	7,8	25,5
<i>Total</i>	<i>10327</i>	<i>100,0</i>	<i>100</i>



The 2009-2010 Survey: number of collected questionnaires and diaries

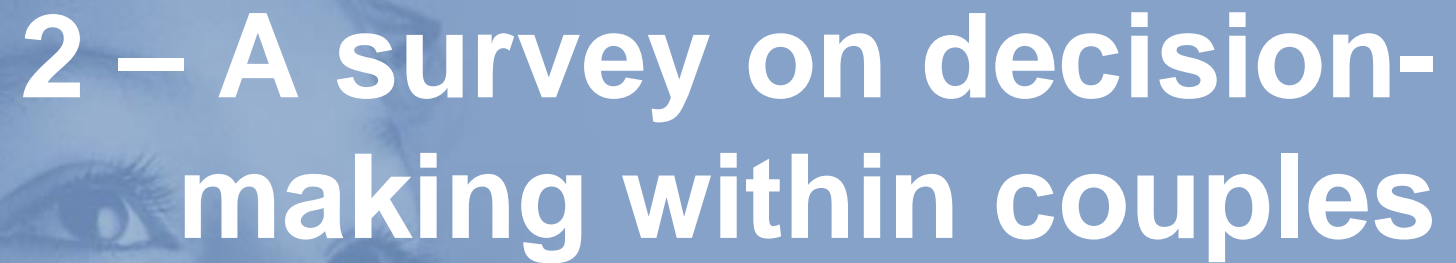
Provisional statistics on survey waves 1 to 4
(sept 2009-april 2010)

<i>Sampled HH</i>	10327		
HH with at least HH composition	7094	68,7	%
Individual questionnaires	10798	1,52	quest/HH on average
Diaries	16659	2,3	diaries/HH on average



What's new in 2010?

- › The activity coding list is more in line with Eurostat's *Guidelines*
- › Sampled individuals are taken from HH members aged 11 or more (instead of 15)
- › Each respondent must fill 2 diaries: 1 weekday, 1 weekend day (instead of 1)
 - Except for the sub-sample that answers an additional survey on intra-household decisions ⇒ only 1 diary



2 – A survey on decision-making within couples



The survey on decision-making within couples – Motivation

- › Goal = to open the “black box” of the HH (couples)
- › Are decisions taken collectively? Who decides on what? Do outcomes depend on spouses’ bargaining power?
- › How is money managed? Is it all pooled? Are some income sources allocated to specific expenditures?



The survey on decision-making within couples – Sample

- › Sub-sample of most homogenous population possible
 - heterosexual couples
 - cohabiting > 1 yr (married or not)
 - not both retired, no full-time students
 - no complex households: only parents + children
 - children must be < 25 & without income



The survey on decision-making within couples – Questionnaire themes

- › Couple history
- › Choice of matrimonial status (married, consensual union, union contract - “PACS”), of residence, of number of children
- › Family history, relationship to parents
- › Relations within the couple, autonomy, decision making and disagreements, satisfaction
- › Financial arrangements (accounts, transfers), money management



The survey on decision-making within couples

- › Most questions are asked both to man & woman
 - › Partners were interviewed separately to minimize interference
 - › 14% refusal rate
- ↪ 2000 responding couples, 4000 partners



The survey on decision-making within couples - Limitations

- › Impact on rest of the sample
 - In 2/3 of sampled households: eligible couple = automatically selected into the survey
 - ⇒ children never selected in those HH
 - ⇒ few children of 2-parent, “simple” HH in final sample
- › Each partner has 1 diary only
- › No weekly schedule of working hours



3 – The 2010 diary



The 2010 diary – what's new?

- › Covers more than 24h: **9PM to midnight** the day after
 - prevents people from forgetting to write what they did before sleep if they went to bed after midnight
 - should allow better study of night work and of sleeping time, not possible in 1998
- › More detailed column on “location / means of transportation” (Eurostat)
- › Subjective questions at the end of the diary



The 2010 diary : left page – activities

What first activity ?

What second activity ?

Décrivez vos différentes occupations de la journée :		Faites-vous autre chose en même temps ? (lecture, conversation, radio, TV...)
	Indiquez les heures de début et de fin (plage horaire de l'activité) grâce à une accolade Décrivez votre occupation	
18 h 00	Je rentre du travail avec un collègue	Conversation
10	Je me repose sur le canapé	J'écoute de la musique
20		
30		
40		
50		
19 h 00	Je pars pour le supermarché	
10	Je fais des courses pour le dîner	
20		
30	Trajet retour du supermarché	
40		
50	Je surveille ma nièce qui fait ses devoirs	
20 h 00	Je prépare le dîner	Je garde ma nièce
10		
20		
30	Je mange avec ma femme, mon frère et ma nièce	Conversation
40		
50	Je range la cuisine	J'écoute la radio
	Je discute en ligne avec un ami sur messagerie instantanée (ordinateur)	Je grignote des biscuits



The 2010 diary : right page – context variables

Where / transportation mode?	With whom?						For whom / for what purpose?				
Lieu ou Moyen de transport	En présence de qui plusieurs réponses possibles						Votre activité est dans un but une seule réponse possible				
Cochez cette case s'il s'agit d'un trajet entre votre domicile et votre travail ↓	1	2	3	4	5	6	1	2	3	4	
	Seul	Personnes du ménage			Autres personnes que vous connaissez		Personnel ou pour son ménage	Professionnel	Aide à un autre ménage	Bénévole, pour une association	
		Votre conjoint	Votre père, votre mère	Enfant(s) du ménage	Autres personnes du ménage						
en voiture	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
chez moi	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
à pied supermarché	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
à pied	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
chez moi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The 2010 diary : more variables

Characteristics of the diary day (1/2)

① How was the weather during that day?

- 1. Very beautiful weather 1
- 2. Relatively beautiful weather 2
- 3. Average weather (variable, cloudy, overcast) 3
- 4. Bad weather 4
- 5. Very bad weather (heavy rain, thunderstorms...) 5

TPSJ

② If you could change that day, what would you have liked to spend **more** time on, **less** time on...?

	Beaucoup plus de temps	Un peu plus de temps	Le même temps	Un peu moins de temps	Beaucoup moins de temps	Ne peut pas dire ou non concerné(e)
1. Sleep	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8
2. Your job or your education	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8
3. Housework	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8
4. Your family	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8
5. Your friends	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8
6. Leisure activities	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 8

③ More precisely, what would you have done if you had had more time?

- ①
- ②
- ③

ENPLUS1

ENPLUS2

ENPLUS3



4 – The use of computer / web



New diary variable focus 1/2 : use of computer/web

- › Instruction in the diary: write (PC) or (Internet) in the activity when you're doing it on a computer
- › *Except during work at workplace*
- › No distinction computer vs. Internet: most people do not know (online, local network, this computer...)
- › Box to be ticked by coder when entering the data
 - ↪ binary code for each 10-mn interval



New diary variable focus 1/2 : use of computer/web

- › Quality assessment : activities corresponding to « use of computer » are massively coded as such

CODE	Main activity	Average daily time (mn)	Average daily time on PC / Web (mn)	Percentage of time on PC / Web
672	Programming, installing computers	0,3	0,3	98,7
673	Web surfing	9,0	8,8	97,3
674	Communication through Internet	2,6	2,6	98,1
678	Other or unspecified "Computer" or "Internet"	7,0	6,6	94,1



New diary variable focus 1/2 : use of computer/web

- › On only one survey wave, unedited, unweighted :
- › 3.1% of the activities *outside paid work at workplace*, accounting for 2.8% of total time, are done on a computer or the Internet
- › = 40mn per day on average



New diary variable focus 1/2 : use of computer/web

› Distribution by main activity category :

Category	total avg daily time (mn)	from which on PC or web (mn)	% on PC or web
1. Personal care	692	1	0,1
2. Paid work at home & Study (= excl. paid work at workplace)	34	6	17,5
3. Housework	171	2	1,0
4. Care and help to others	22	0	0,7
5. Social life	52	1	1,0
6. Leisure and entertainment	249	23	9,4



5 – Time enjoyment



New diary variable focus 2/2 : enjoyment of time

- › Background: Gershuny, Krueger
- › Sen-Stiglitz-Fitoussi commission \Rightarrow extra sample (1000)

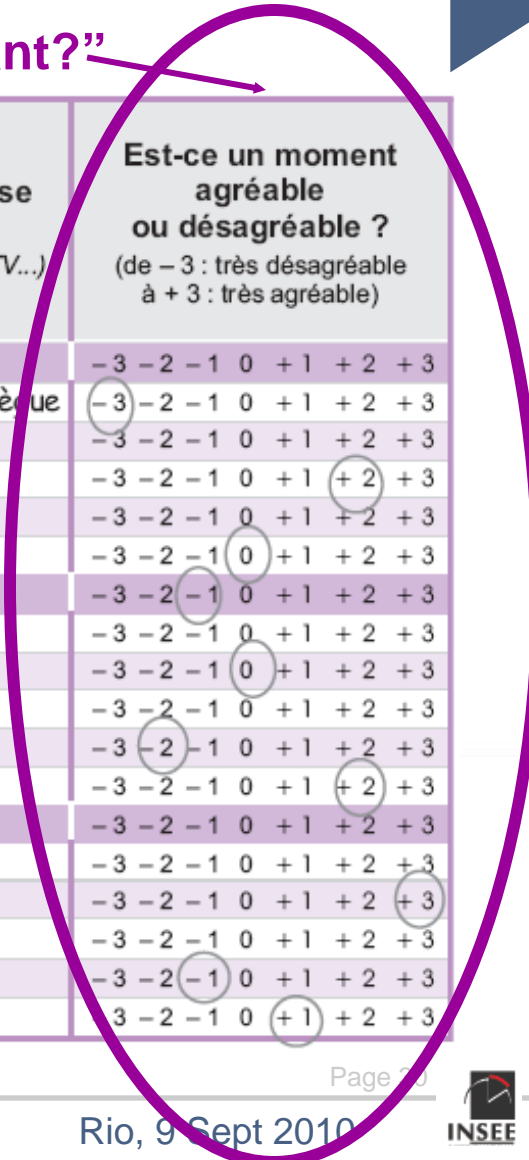
- › Choice of scale: 1 to 5 or -3 to $+3$?
- › Test showed:
 - plus vs. minus was better to convey the idea of positive VS negative feelings
 - but 1 to 5 gave a slightly more balanced distribution of answers
- › Final choice: $-3 / +3$



New diary variable focus 2/2 : enjoyment of time

New column: "was that moment pleasant or unpleasant?"

Décrivez vos différentes occupations de la journée <small>Indiquez les heures de début et de fin (plage horaire de l'activité) grâce à une accolade</small> Décrivez votre occupation		Faites-vous autre chose en même temps ? <small>(lecture, conversation, radio, TV...)</small>	Est-ce un moment agréable ou désagréable ? <small>(de -3 : très désagréable à +3 : très agréable)</small>
18 h 00			-3 -2 -1 0 +1 +2 +3
10	Je rentre du travail dans les embouteillages	Conversation avec un collègue	-3 -2 -1 0 +1 +2 +3
20			-3 -2 -1 0 +1 +2 +3
30	Je me repose sur le canapé	J'écoute de la musique	-3 -2 -1 0 +1 +2 +3
40			-3 -2 -1 0 +1 +2 +3
50	Je pars pour le supermarché		-3 -2 -1 0 +1 +2 +3
19 h 00	Je fais des courses pour le dîner		-3 -2 -1 0 +1 +2 +3
10			-3 -2 -1 0 +1 +2 +3
20	Trajet retour du supermarché		-3 -2 -1 0 +1 +2 +3
30			-3 -2 -1 0 +1 +2 +3
40	Je surveille ma nièce qui fait ses devoirs		-3 -2 -1 0 +1 +2 +3
50	Je prépare le dîner	Je garde ma nièce	-3 -2 -1 0 +1 +2 +3
20 h 00			-3 -2 -1 0 +1 +2 +3
10			-3 -2 -1 0 +1 +2 +3
20	Je mange avec ma femme, mon frère et ma nièce	Conversation	-3 -2 -1 0 +1 +2 +3
30			-3 -2 -1 0 +1 +2 +3
40	Je range la cuisine	J'écoute la radio	-3 -2 -1 0 +1 +2 +3
50	Je discute en ligne sur messagerie instantanée (PC)	Je grignote des biscuits	-3 -2 -1 0 +1 +2 +3





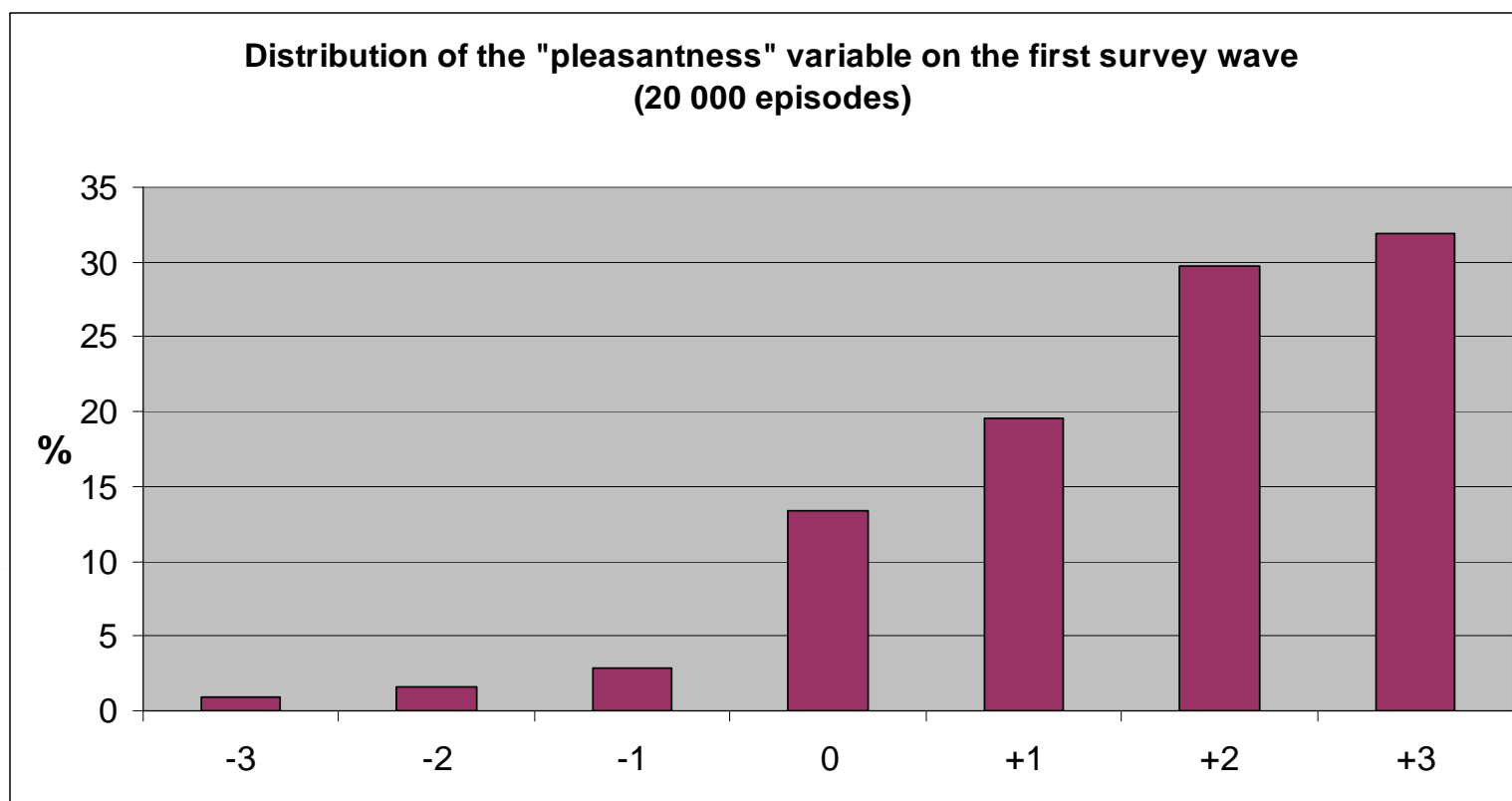
New diary variable focus 2/2 : enjoyment of time

- › No noticeable difference between the 2 sub-samples (“blue diary” vs. “pink diary”) on :
 - Response rates
 - Average number of episodes in the diary (22 episodes)



New diary variable focus 2/2 : enjoyment of time

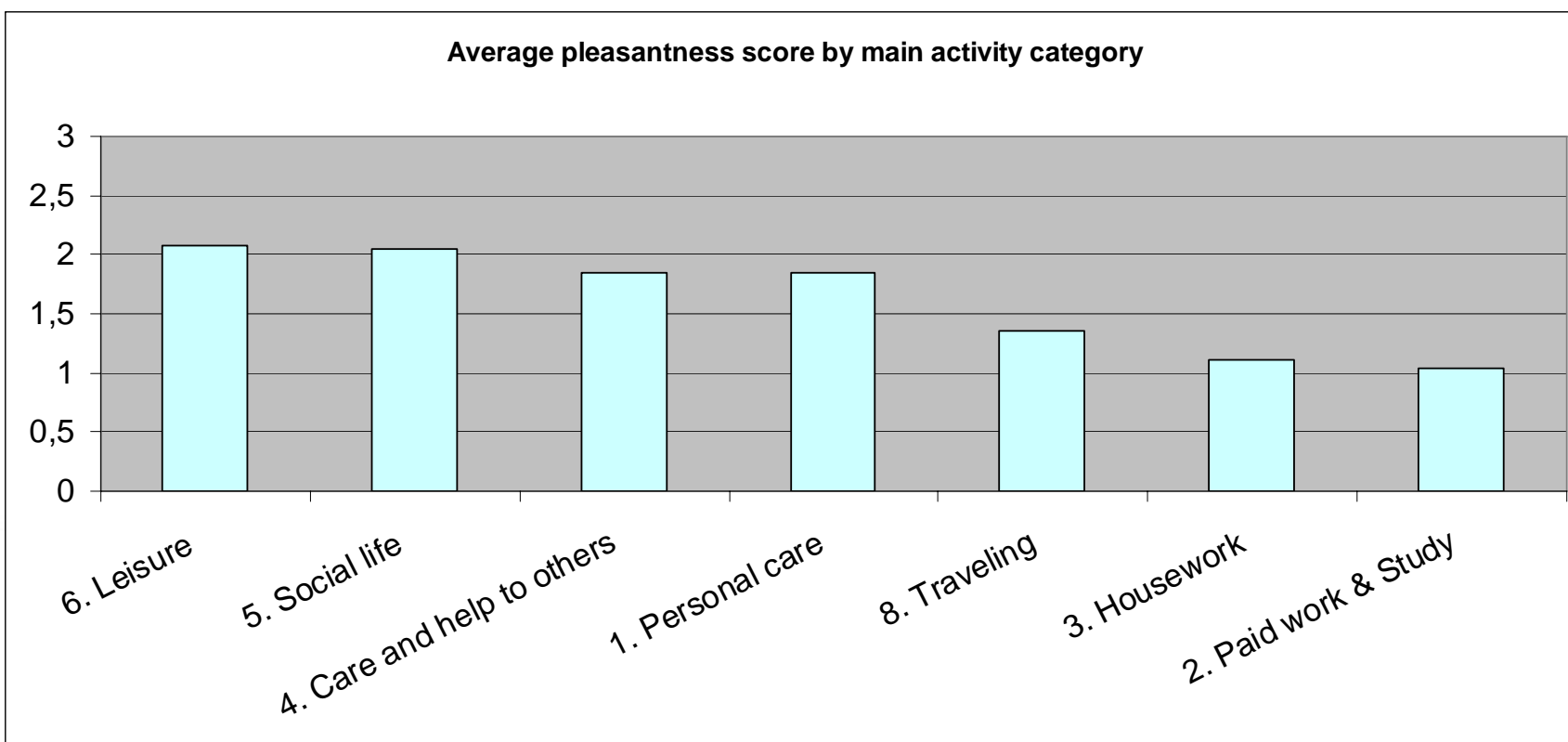
- › The positive side of the scale is massively more used





New diary variable focus 2/2 : enjoyment of time

- › Ranking of main activity by mean enjoyment score





Thank you for your attention, and...

- ↪ Questionnaires are being translated into English : ask for them

- ↪ For further information do not hesitate to contact
 - From Sept. 1, 2010 : layla.ricroch@insee.fr
 - On the « decision-making within couples » survey:
Sophie Ponthieux : sophie.ponthieux@insee.fr