

PRACTICES AS COUNTABLE ENTITIES

Time Use Surveys for a quantification of practices distributions and evolutions

METHOD WORKSHOP

Social practices, energy demand and time use data –
methodological lessons from DEMAND

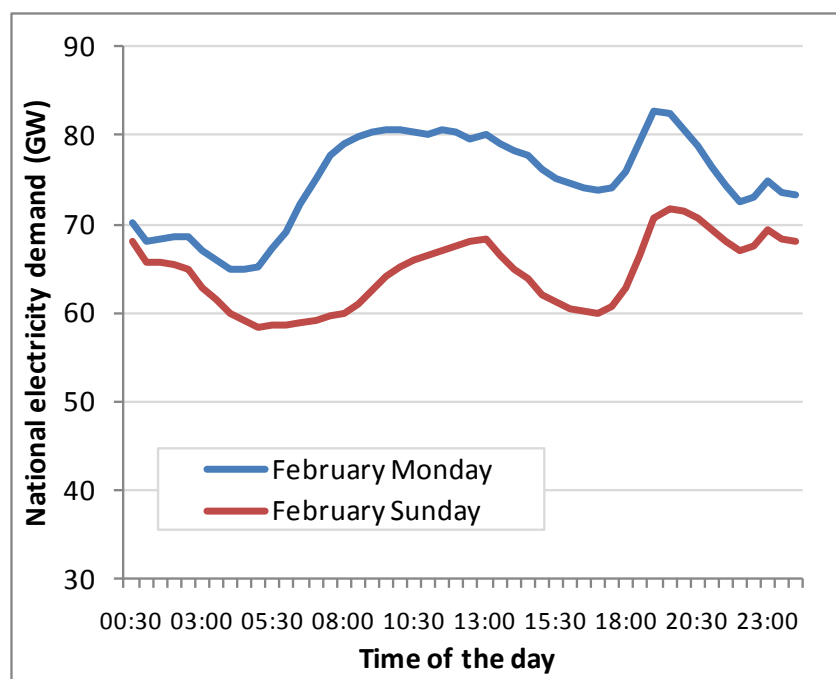
UCL-17/10/2014

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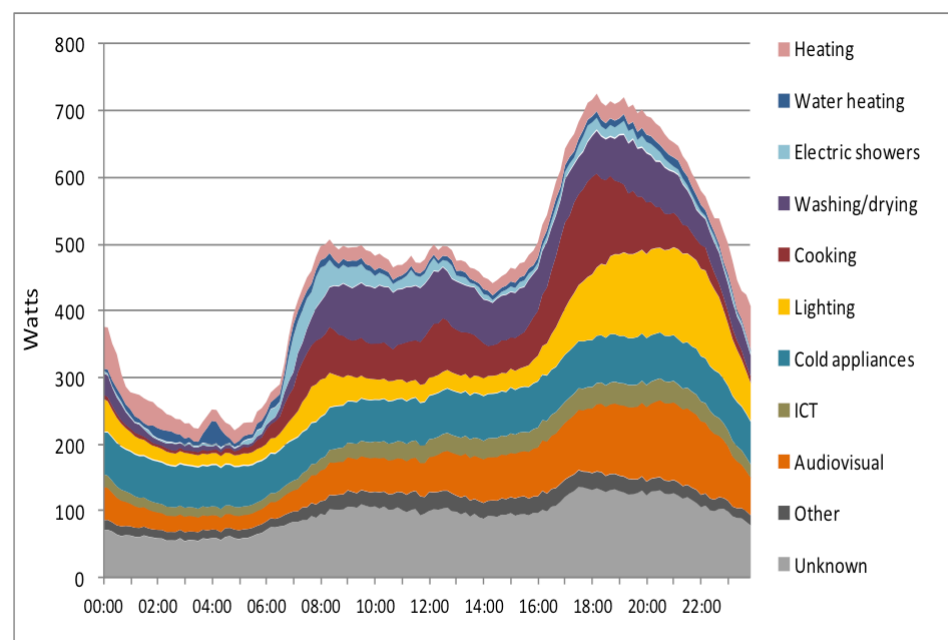
Peak electricity demand

 Total **France** electricity consumption during Mondays and Sundays of February 2010 (RTE)



France electricity consumption by time of the day on Mondays and Sundays of February 2010-RTE

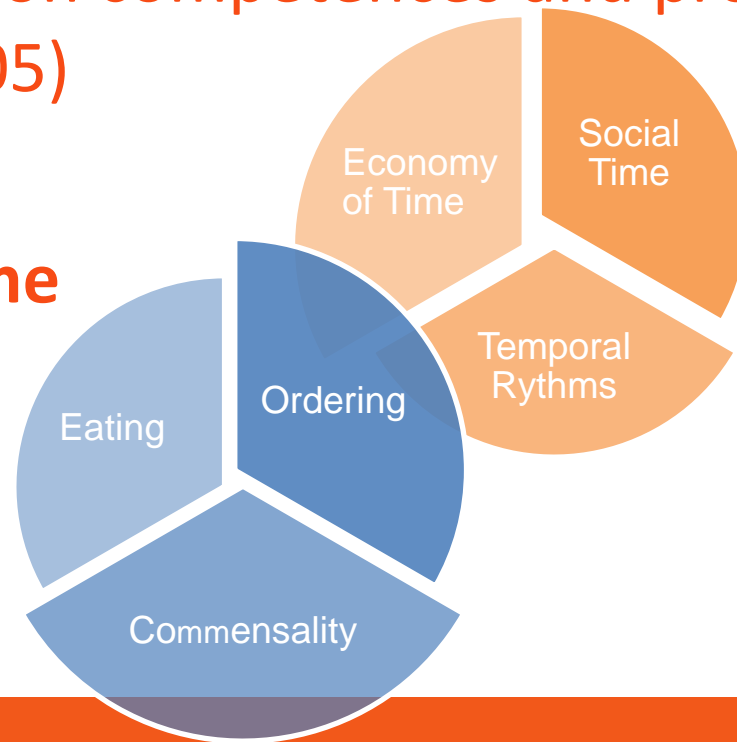
Electric demand split by usage from a sample of owner-occupied homes in **England** (2010-2011) 



Graph 7a: HES average 24-hour electricity use profile for owner-occupied homes, England 2010-11

Eating practices in TUS

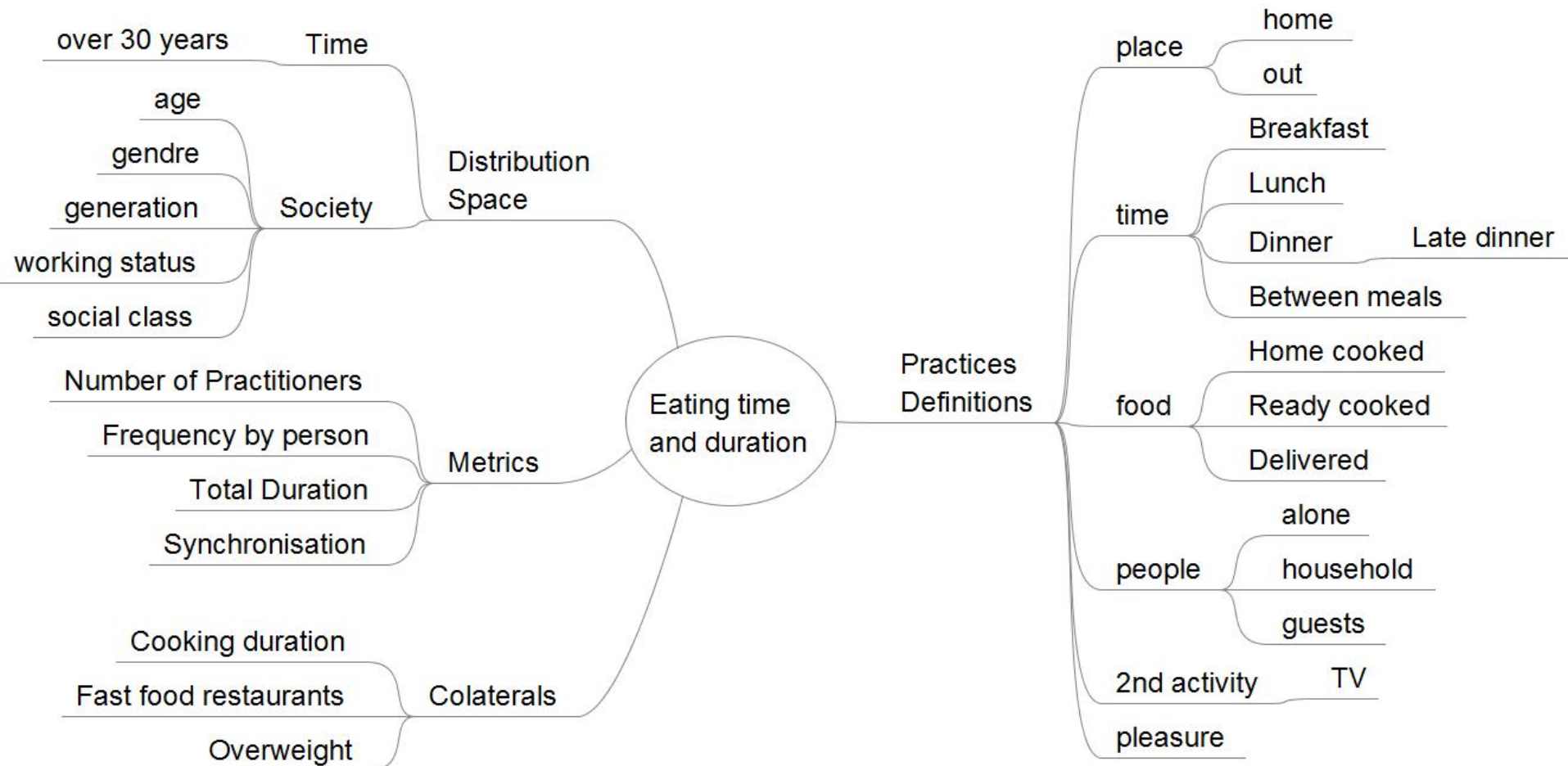
- **Electric consumption** underlying practices
- **Practices** as group of activities held together by meanings and relying on competences and products (Shove & Pantzar, 2005)
- Eating relation to **Time**
Southerton et al., 2011
- Eating **meanings**



Eating practices in TUS

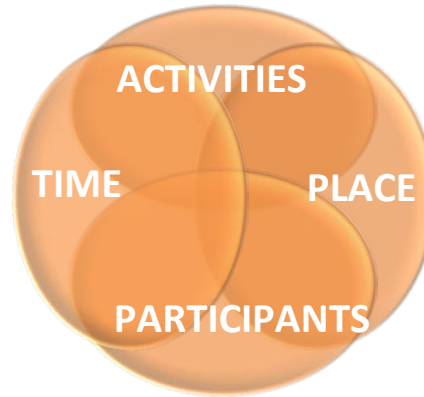
- General description of eating practices
- **France** (De Saint-Pol et al. 2013): 3 meals structure, work/meal constraints, reception/TV relation to social status, younger snacking...
- **International comparisons:** differences in the times and places of meals in relation with cultural aspects, work organisation and specific infrastructures...
- **Looking for meanings:** relation to the organisation of time, comensality, duty, satisfaction (Daniels et al. 2012)

Eating practices in TUS



Practice Hunting

- **Definition** of clearly delimited entities (Dinner) based on:



- Describing their relation to **other practices, needs for energy, and peak demand**
- **Tracking** alternative practices in the geographical and social space

TUS Data

- Representative activity diaries
 - Two days by household (Week, Week-End)
 - 10 minutes steps primary and secondary activities
 - Waves every 10 years
- + individual/household level information

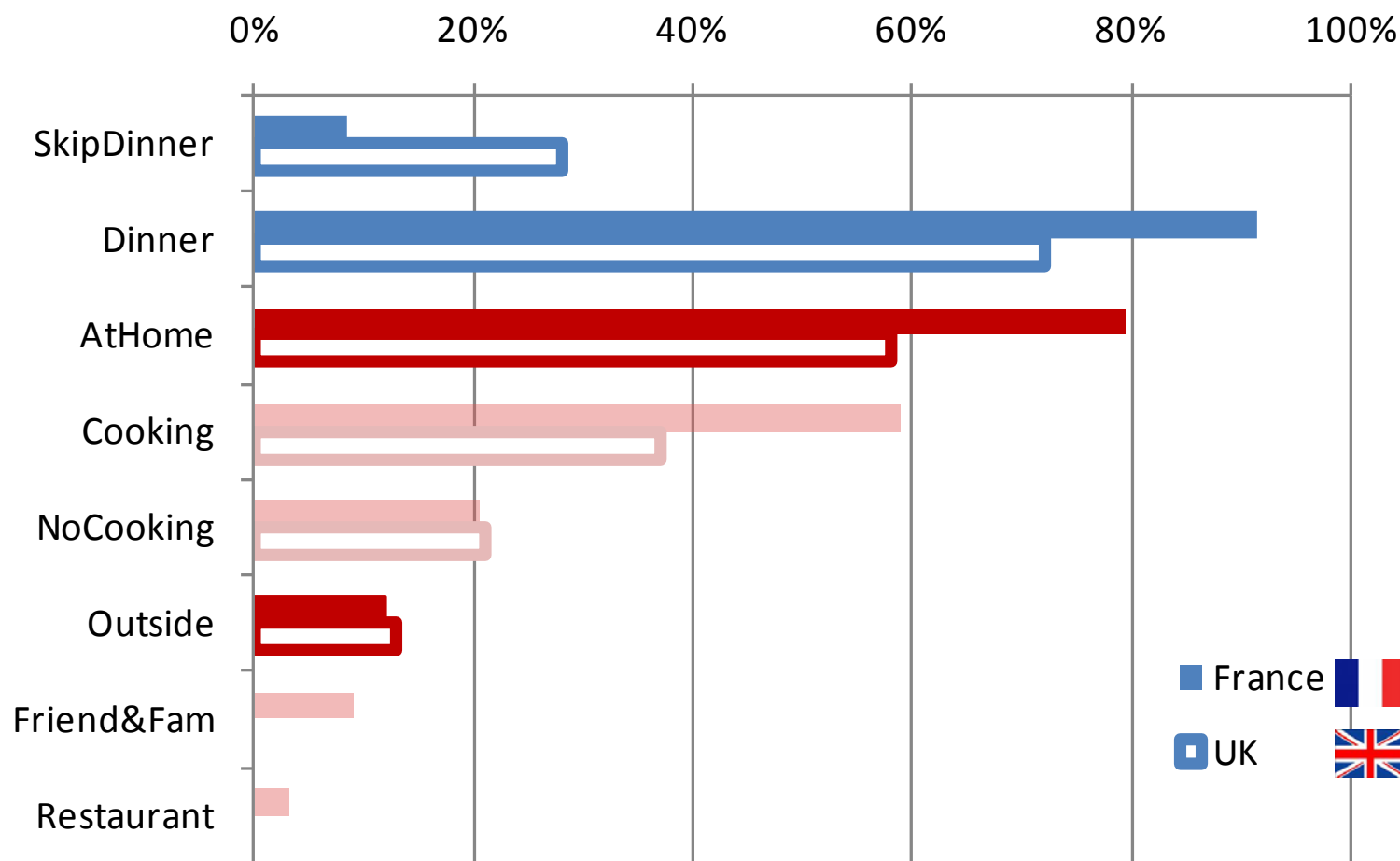
- UK MTUS/ONS 2005 : 4 854 Diaries
- Fr. EDT/INSEE 2010 : 27 900 Diaries

Eating practices definitions

- Dinner at **Home** with prior **cooking**
- Dinner at **Home** with **No cooking**
- Dinner **outside** (acquaintance or restaurant)
- **No Dinner**

+ Together/Appart + Guest/No Guest + TV/NoTV

Eating practices definitions

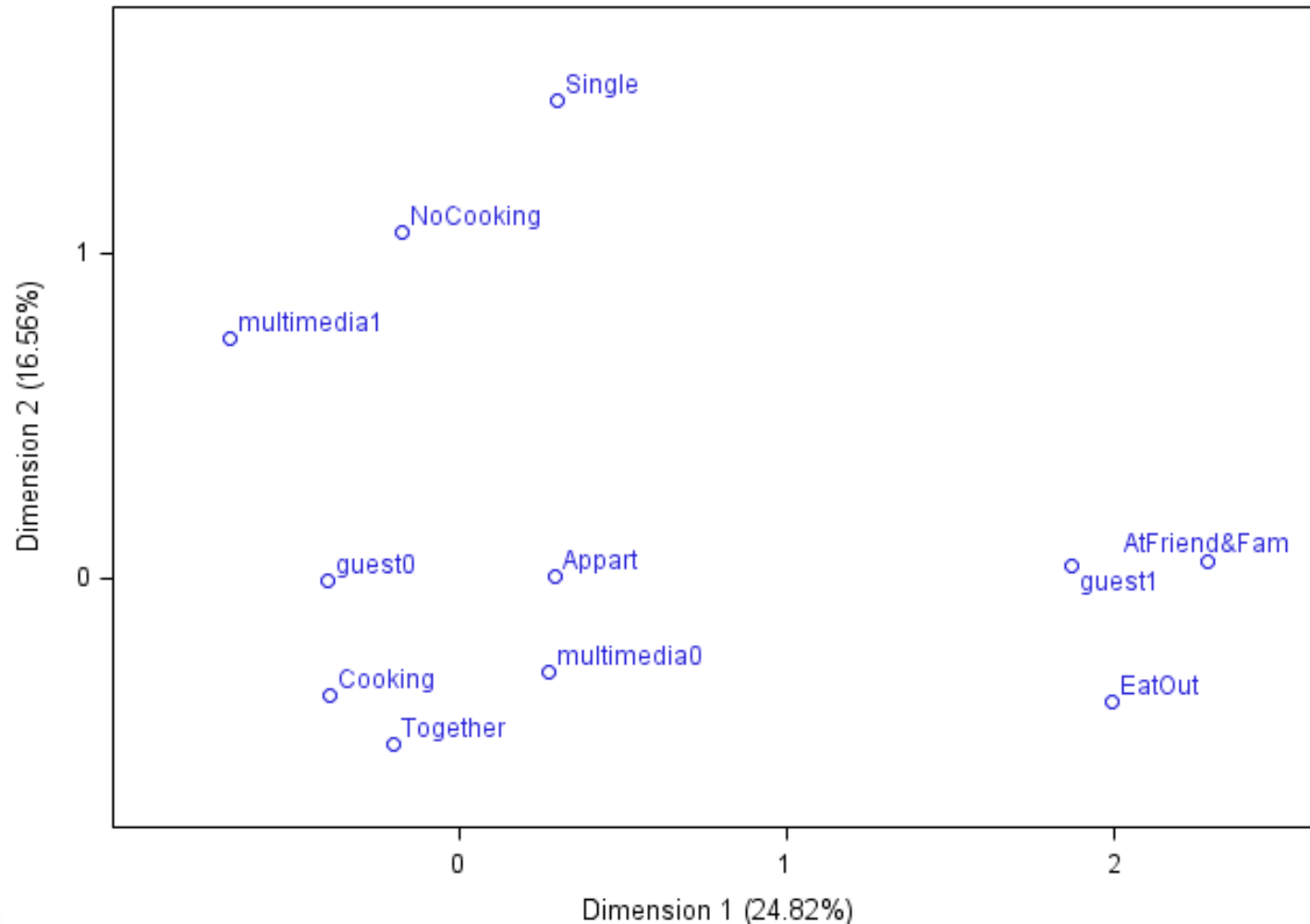




Eating practices structure (Fr)



Multiple Correspondence Analysis

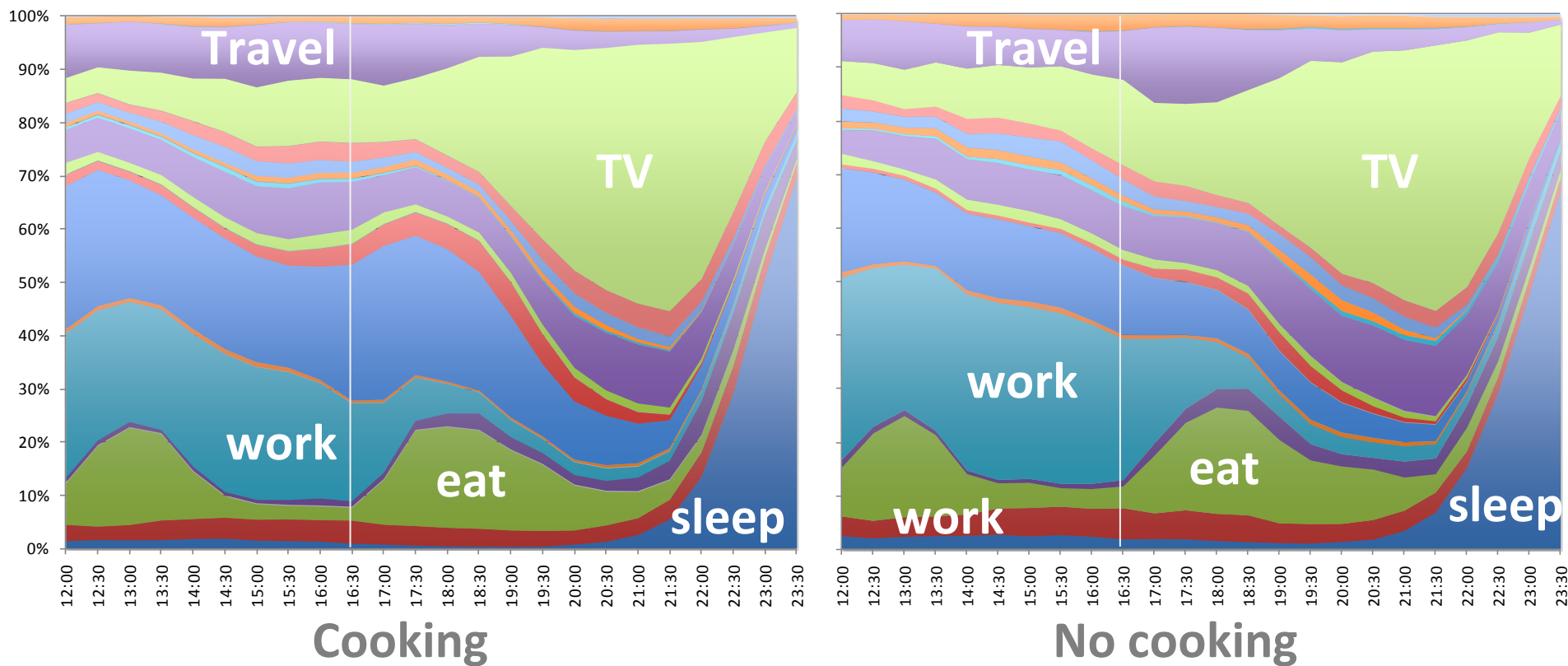




Eating practices Time profiles

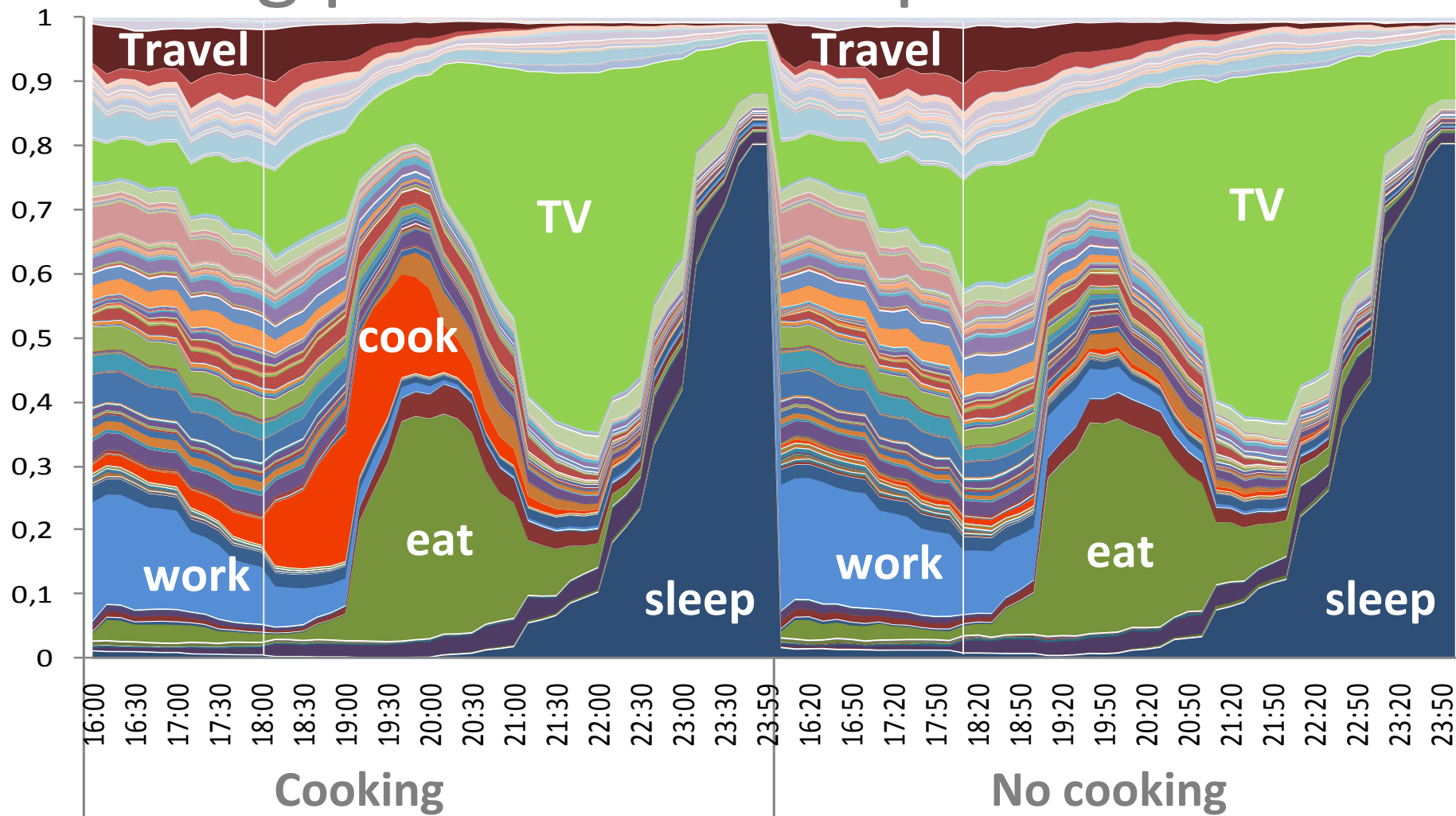


● How eating practices fit into the day time structure

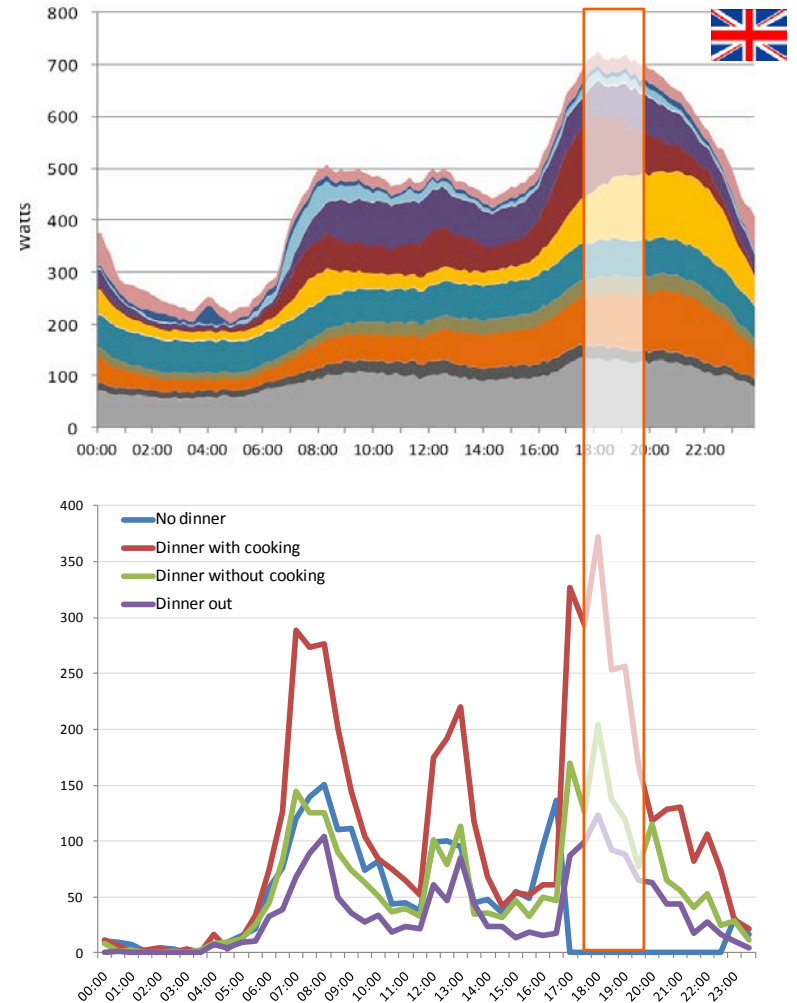
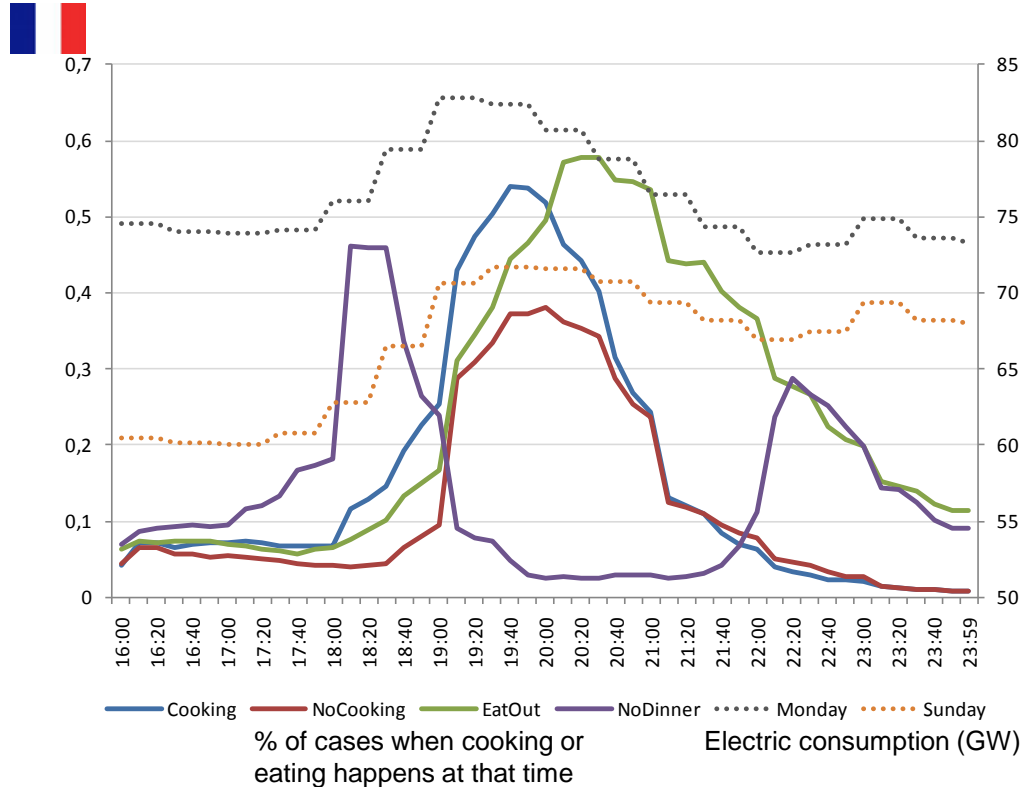




Eating practices Time profiles



Eating practices Time profiles

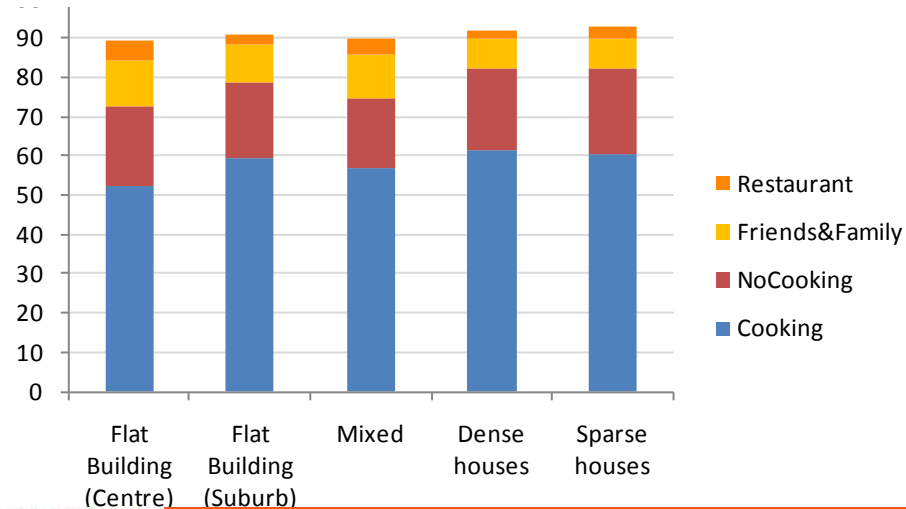
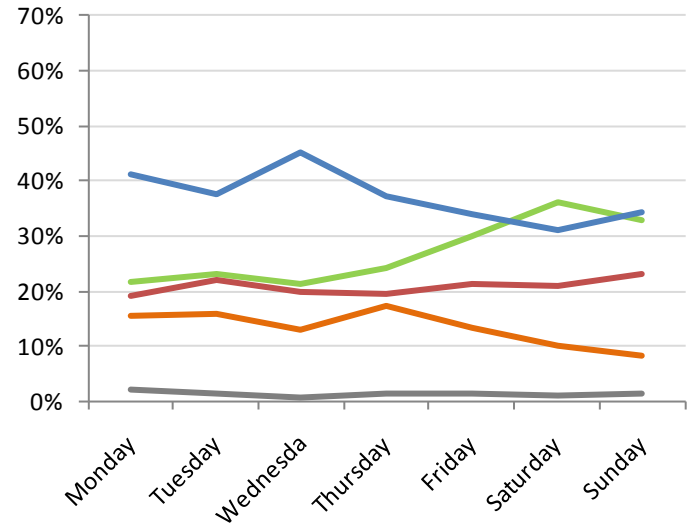
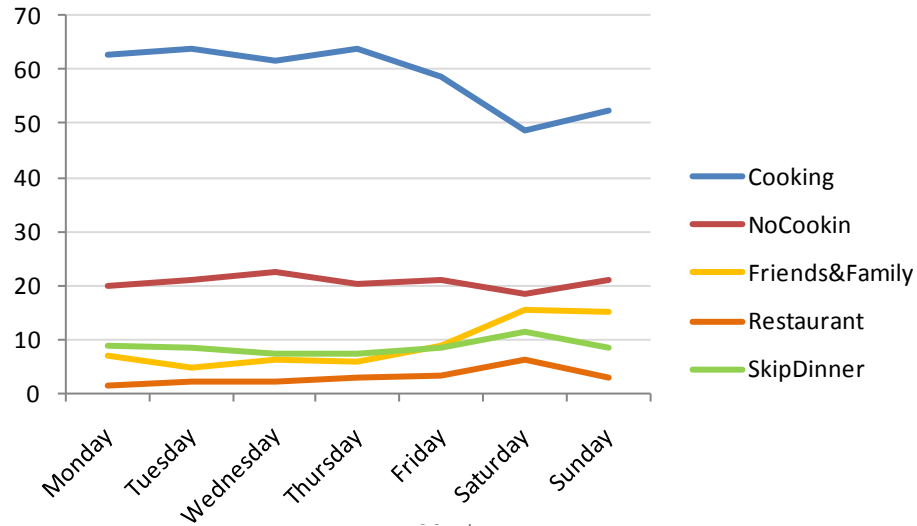


Different practices

→ different contribution to the peak

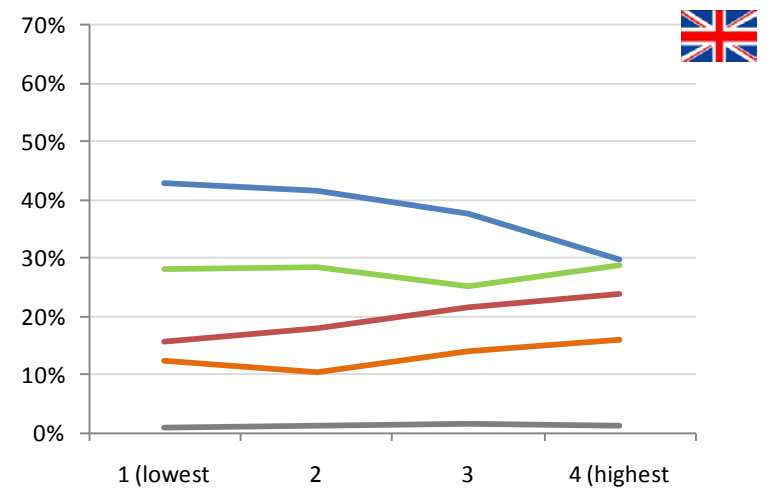
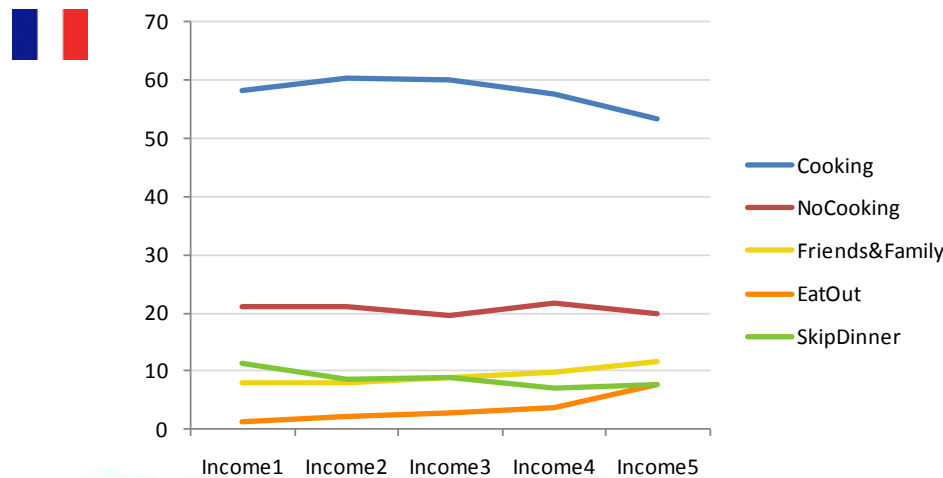
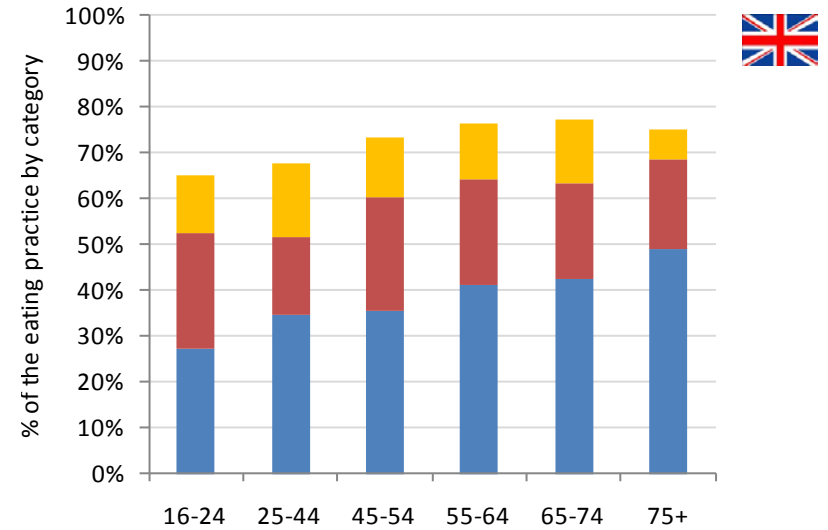
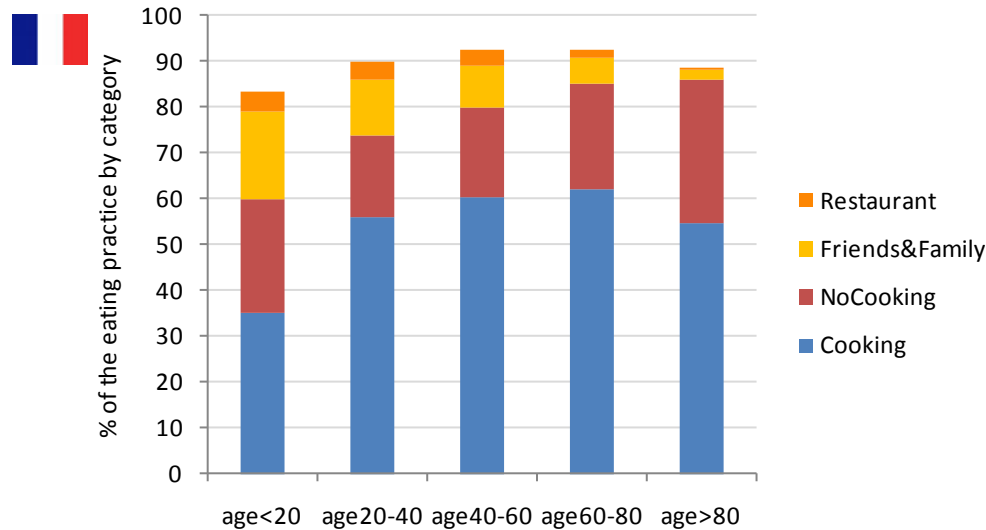


Practice Hunting: Days & Areas



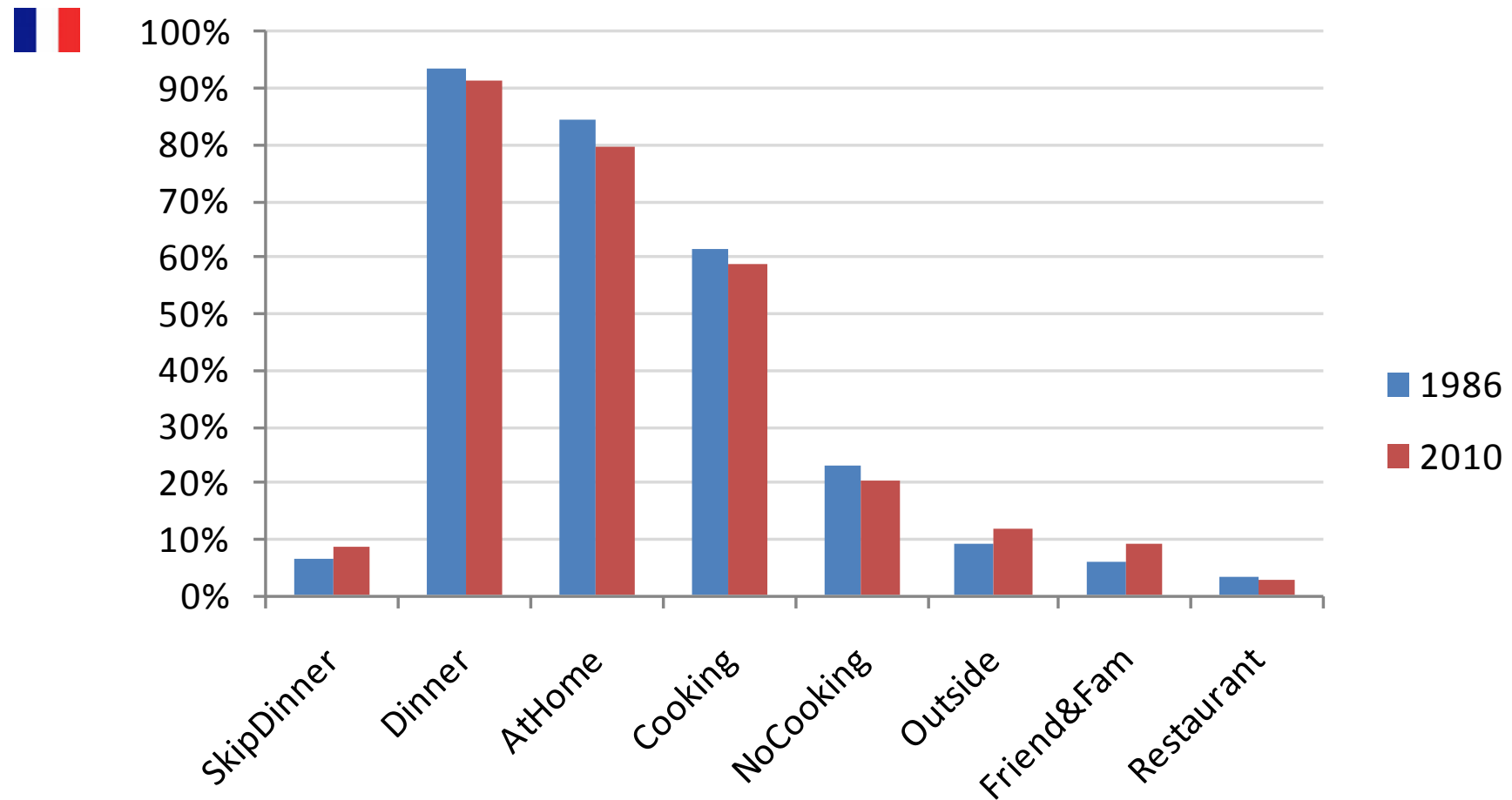


Practice Hunting: Sociodemographics





Practice Hunting: Historical Trend



Conclusion

- Meanings :

Traces of commensality : participants, longer and later dinner, competition with TV

Eating out (as defined) has different meanings in
France : sharing with friends

UK : convenient/efficient nutrition (no later or longer meal, surrounded with much more typical home activity)

Conclusion

Skipping dinner (as defined) has different meaning in:

France: work in the evening, dinner pushed before or after

UK: no dinner at all, replaced by social life

Economy of time

Clear competition between work and different time intensive eating practices

Conclusion

- **Material :**

Little information at the activity level: **place, transport mode**

More information at the **individual/household level**

Need to link with dedicated surveys associating diaries with appliance usage : **high difficulty**

- **Competences :**

Directly related to individuals

Next steps

- Direct link between activities and related appliance usage and electricity consumption
- Hunting practices in the past TUS waves (10 years) to identify how practices spread, shrink or change

Limits

- Lack of direct information on meanings and devices
- Two days not enough to identify patterns and regularity
- Not so different from usual descriptive analyses

THANK YOU

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