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Determinants of Food Insecurity and Health Deprivation among French Adults: a tenuous Link with Poverty

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OBJECTIVES

Dimensions of Food Insecurity in France:

To study 3 different components of food insecurity in France : food restriction, meat/fish restriction, food anxiety.

A multi-deprivation perspective:

To study the links of food insecurity with restriction in health demand and with monetary poverty through their determinants.

CONCLUSIONS

Food Insecure situations may be found in non poor households and medium level occupations.

Food anxiety is the more coincident with monetary poverty.

Cumulative deprivations in Food, Health and Income are mainly impacted by home status and equipment, meat and FV budget and marital situation.

METHODS

Analysing 3 dimensions of Food Insecurity

- Qualitative and quantitative food restriction (12.5%): Enough to eat but not always the kinds of food wanted; Not enough to eat, often or sometimes.
- Food anxiety (4.3%): Worried about running out of food
- Meat/fish restriction (2.1%) : Can't afford to eat meat, poultry or fish every 2 days

Analysing other deprivations in Health and Income

Restriction in demand for Health during the past 12 months: 9.2%

Poverty level (60% of median income) = 908€/month/person: 36.6%

Survey: French National dietary survey INCA2 2006-07, n=3371

Price and budget imputation with TNS data

Sample: 18-79 years old adults, acceptable reporters of their intakes, n=1917

Food Insecurity measure:

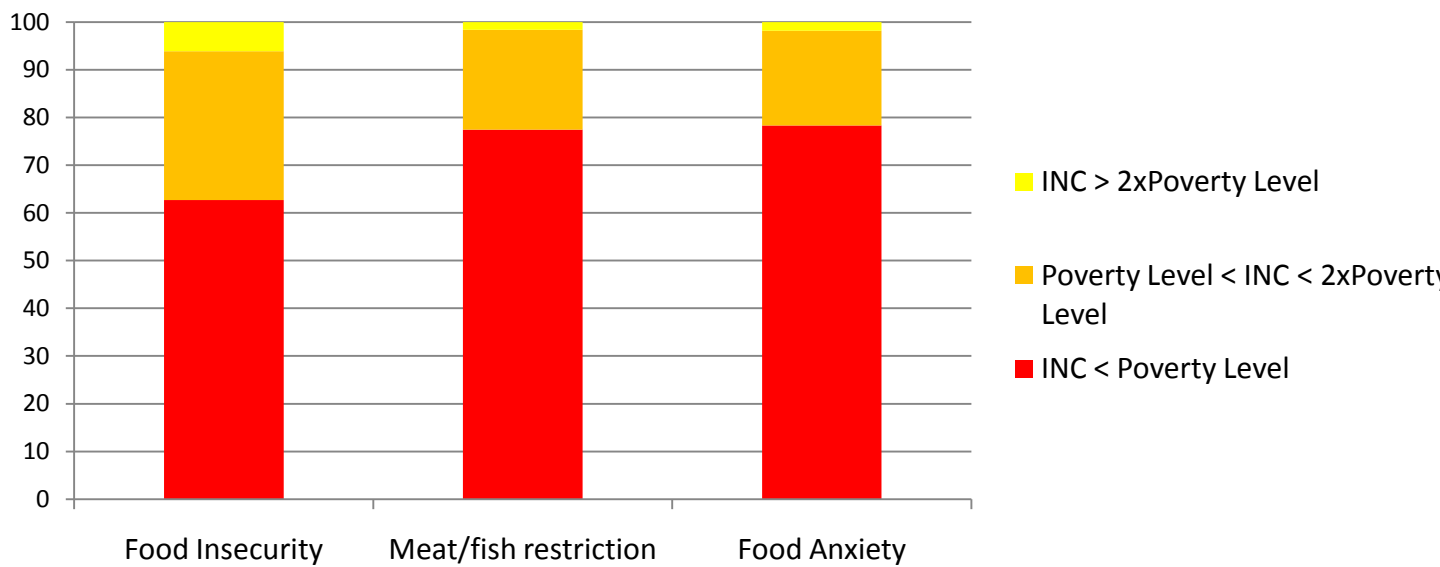
Subjective assessment of the current food situation of the household (FAO definition, 1996; USDA Bickel et al. guide, 2000)

Methods: binomial logit and ordered logit models

RESULTS

Food insecurity and SES

- There is still food insecurity above the poverty level for each dimension analysed
- Food anxiety is the more coincident with monetary poverty
- Food restriction is associated with low-status occupations and also with medium-status ones



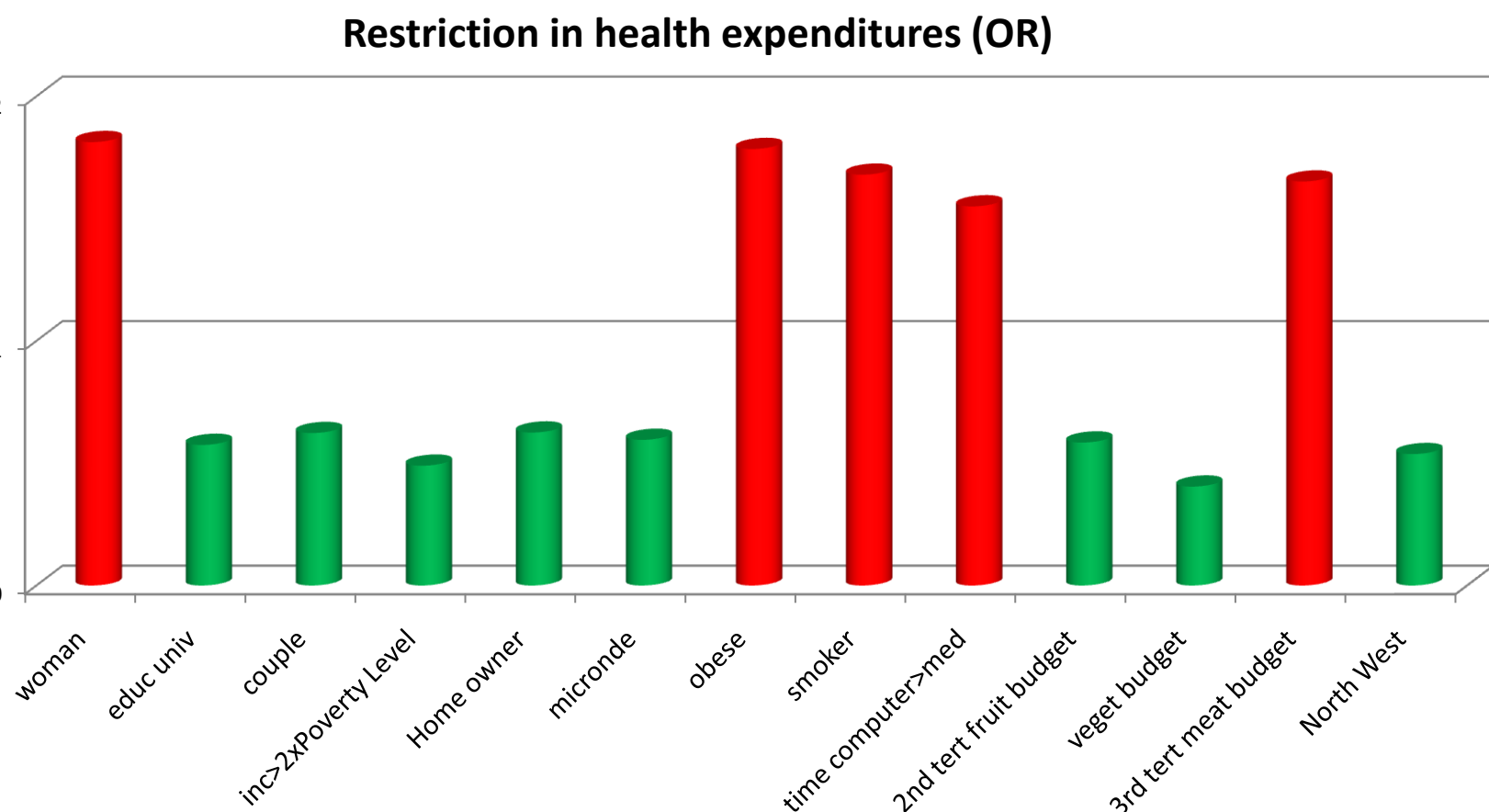
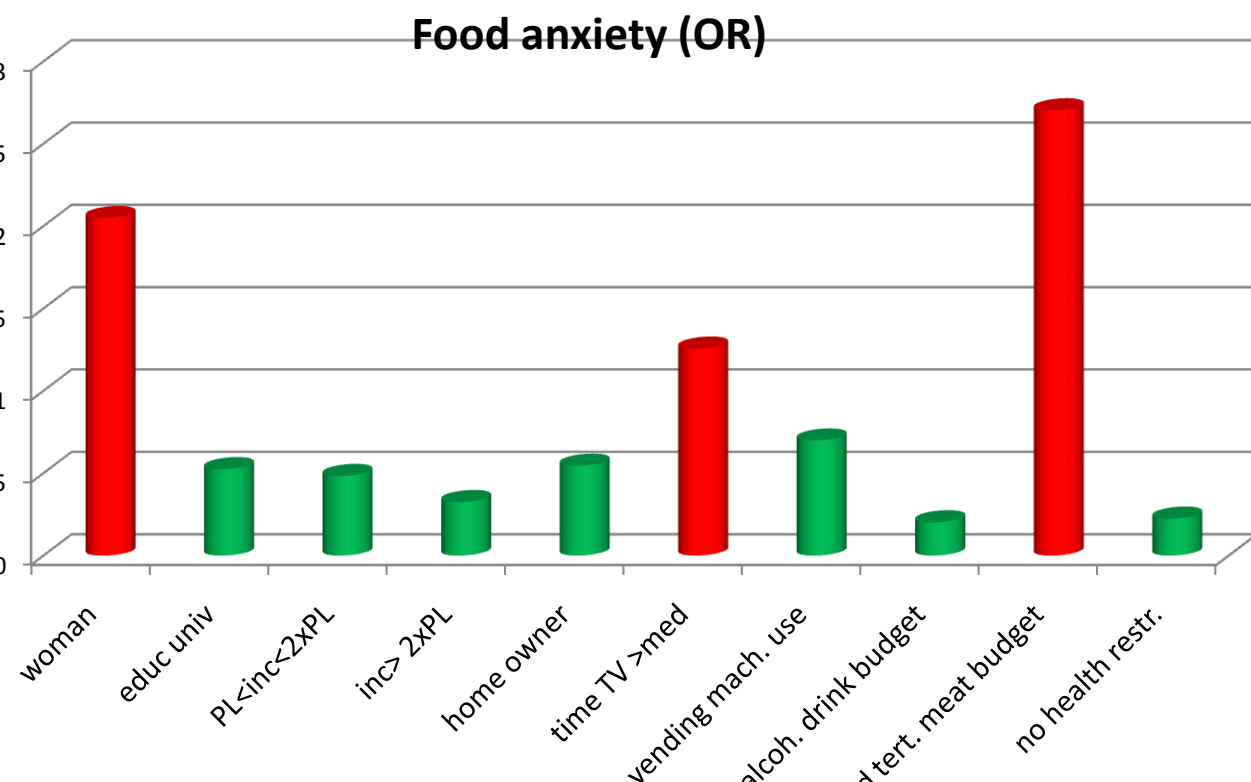
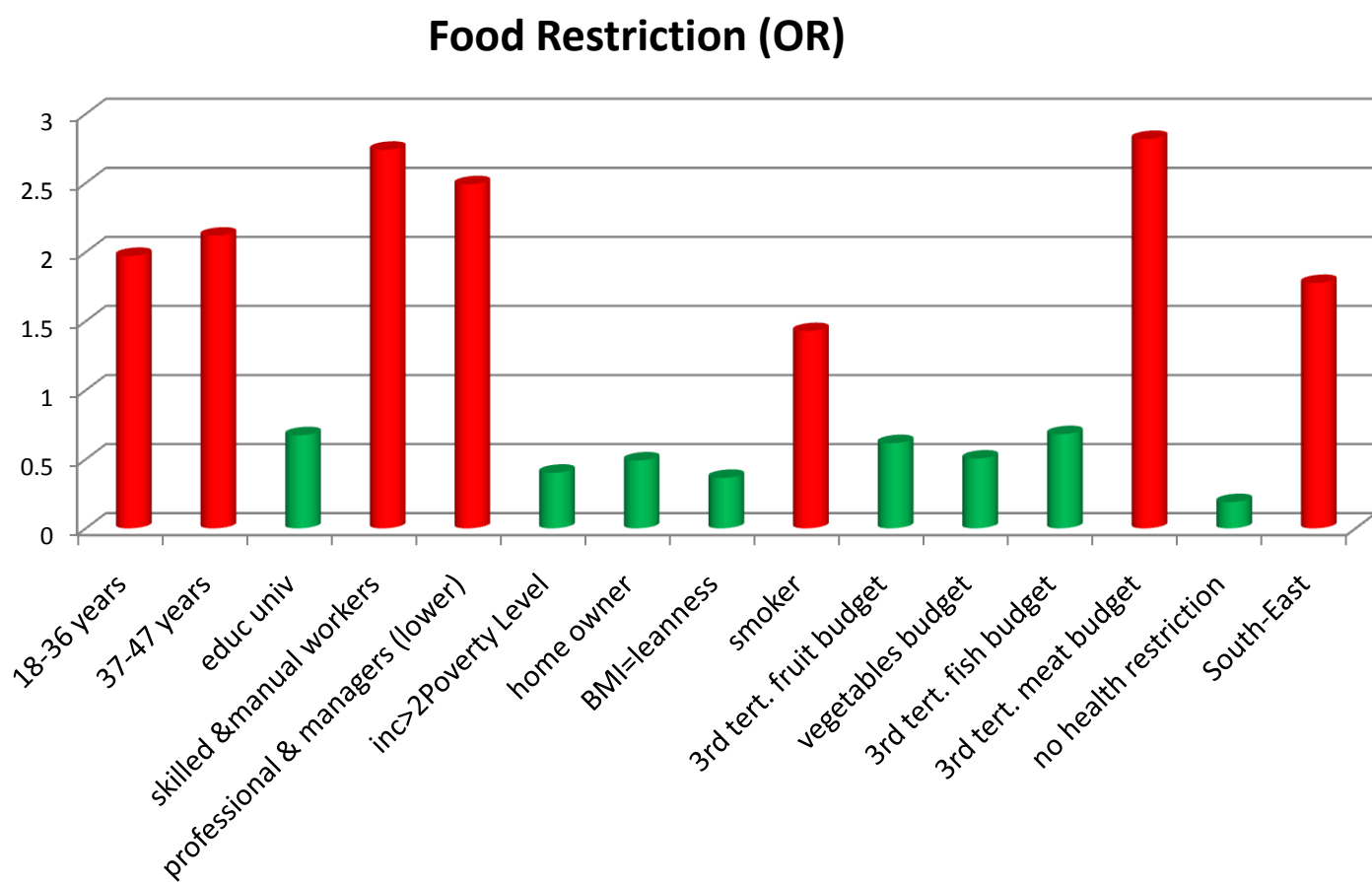
Determinants of Food restriction , food anxiety, Restriction in health demand probabilities

-Adverse factors:

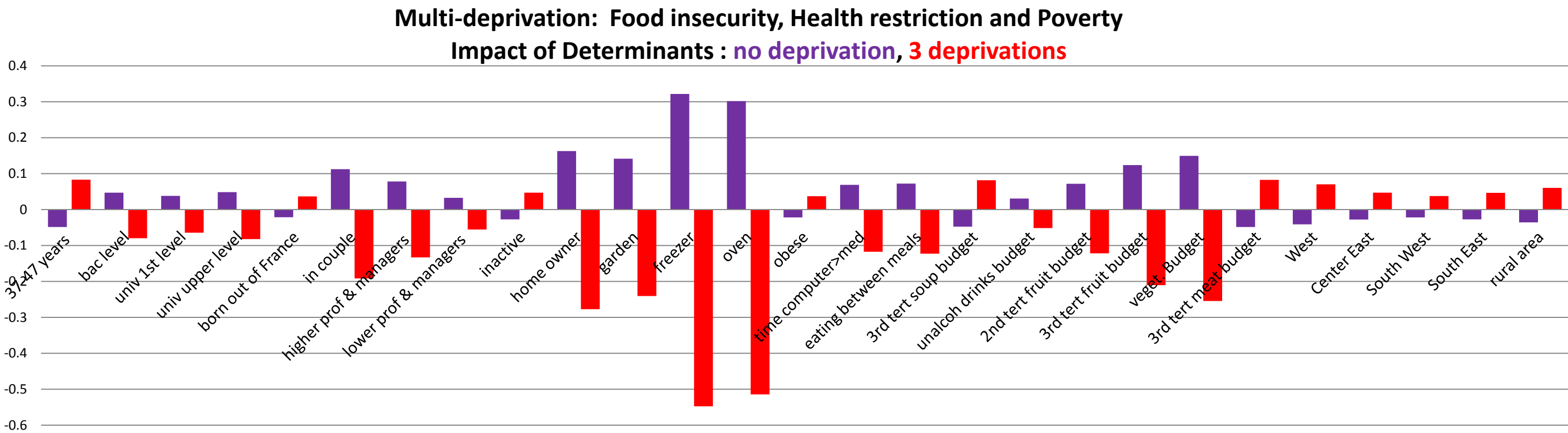
- High expenditures in meat on food insecurity and health restriction
- Time TV and computer on food anxiety and health restriction
- Woman on food anxiety
- Woman, Smoker and Obese on health restriction

-Protective factors:

- University diploma and income >2 x Poverty Level on food insecurity
- High budgets in fruit and in vegetables on food and health restriction
- BMI=lean on food restriction
- Living in couple on health restriction



Multi-deprivations: Experiencing simultaneously Food Insecurity, Health restriction and monetary Poverty



Main impacts :

- Conditions of living: home equipment, owner status
- Food budget: high meat expenditures, vegetables, high fruit expend.
- Living in couple
- Occupation: professional and managers, higher and lower
- Eating between meals
- Time of computer > median

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- Bickel G., Nord M., Price C., Hamilton W., Cook J. (2000): « Guide to measuring household food security », USDA.
- Darmon N., Bocquier A., Vieux F., Caillavet F. : « L'insécurité alimentaire pour raisons financières en France», *Les travaux de l'ONPES 2009-201*, La Documentation Française p.583-603.

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