ADMINISTRATIVE DATA IN SAMPLING AND CALIBRATING THE BASQUE LABOUR FORCE SURVEY
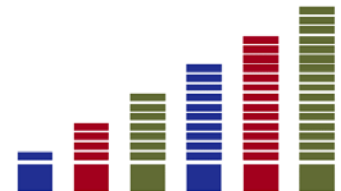
Speed Session2. Methodology
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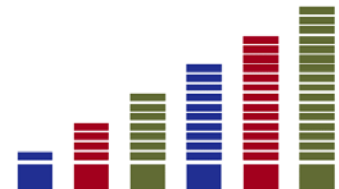# Labour Force Survey (PRA) in the Basque Country

- Continuous survey, since 1985, in the Basque Country,

- 1/8 quarterly rotation panel

- Designed to obtain quarterly estimates

- Evolution of the activity at province level

- Challenges:
    - more geographical disaggregation
    - better estimates of some subpopulations
    - reconciliation with administrative/other statistical sources

Administrative Registers:

- Population Register, population base or sampling frame (Resident population)

- Quarterly record linkage:
    - Social Security affiliation (employees records) and
    - Registered unemployed workers in the Basque Employment Service (LANBIDE)
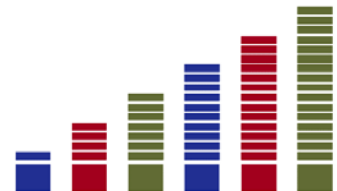
- As a result, ...

SAMPLING FRAME

- Balanced sample, socio-demographic and labour characteristics.
- Balance variables: sex, age groups, family size, nationality, affiliation to the Social Security system and unemployment register variables.
- Cube Method (Déville and Tillé, 2004).

Other improvements:

- More strata, from provinces (3) to capitals and groups of municipalities (20 statistical regions).
- Allocation in strata according to nonresponse
- Sample-size changes (from 5.088 to 6.300 household)
- Temporary division of the sample (13 weeks, and 7 days/week)
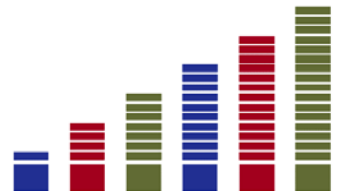
Administrative Data and Calibration

The unit sampling weight is adjusted or calibrated to:

- population structure, both for individuals and families: age groups, sex, family size, week and wave.

- employment and unemployed totals in our population frame for: sex, age, provinces, nationalities, and working activity and professional situation.
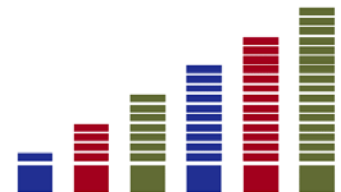
The methodological change for calibrating survey data has involved a change in the tasks (Record linkage).

Calibration process, very demanding in human and IT resources.

Balance and future developments

- More accurate estimates, for various groups, as consequence of balanced sampling and calibration.

- and moreover, several administrative sources and the survey have been reconciled, meaning we can explain the changes in employment flows.

- In general, the whole process is demanding in terms of time and resources of all kinds.

Thank you very much for your attention!!

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