Measurement of hours worked in LCS and comparison with other sources in Luxembourg

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- Background
 - LCS: main source for hours worked/paid in LU
 - sectors B to S (without O) ; local units 10+
 - universe: 4 700 ; sample: 2 700 ; resp.: 2 450 (91%)
 - Response burden !
 - but: no good alternative available
 - 2009 : new law on social system \rightarrow more data available
- > Exercise :
 - for 2012: compare "hours actually worked" according to
 - LCS
 - social security records
 - LFS
 - SBS

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Methodology	LCS	Social Security	LFS
Periodicity	every 4 years	monthly	permanently
Reference period	year	year	week * 52
Enterprises	B - N and P - S / 10+	All	All
Employees	employees	employees (can be filtered)	employees (can be filtered)
Hours worked: definition	aggregate number of hours actually worked by all employees during the year	definition is different, so a comparable number has to be computed	actual hours worked in the reference week (HWACTUAL)
Hours worked: collected directly (YES/NO)?	 * full-time employees: NO * part-time employees and apprentices: YES 	NO	YES

- How are hours worked measured in the LCS in LU ?
- Variables collected for full-time employees:
 - Average number of employees
 - Normal weekly contractual hours
 - Total overtime worked
 - Hours not worked for different reasons :
 - Average number of days of annual leave
 - Total number of days of special leave (family reasons, moving, etc.)
 - Total number of days of sickness and maternity leave
 - Total number of days lost due to labour disputes, short-time working or technical reasons
 - Total number of other holidays

Hours actually worked: calculated by the NSI:

Total hours worked =

average number of employees

- * normal weekly contractual hours * 52
- + total of all overtime hours
- total of all absences converted into hours
- For part-time employees and apprentices: total number of hours worked to be reported directly

- Alternative : social security records
- > How can hours worked be calculated from that source ?



→ Hours actually worked = (A + B - C) * 0.9

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- Conclusions
 - Social security data:
 - \rightarrow <u>is</u> a good alternative to LCS for hours worked/paid
 - » to be examined further (breakdowns, ...)
 - » minor issues to be corrected for better comparability
 - \rightarrow alternative to LCS for other variables ?
 - » to be explored
 - \rightarrow LCS response burden <u>can</u> be reduced
 - LFS:

ightarrow could be used to complement social security data

.: Thank you for your attention :.