A new design for statistics on household consumption expenditure

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The task

- Derive a new survey design estimating
  - Level of household population consumption at product levels
- For use in NA and CPI calculations
- Traditional HBS are not feasible
  - Too low response rates
- A new survey design is needed

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The main plan

- A) Estimate total sales on product levels in each industry
- B) Estimate shares of totals sales stemming from household purchases on product level by industry
- Combine A and B
- Add necessary information for validation of estimates (check/correct)

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Data sources: A – total sales

- Cash registry data
- SBS
- Registers

- Main challange in markets on
  clothes, shoes, electronics and similar

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Data sources: B – household purchases

- Data from operators providing payment transfers
  - Payment Card terminals
  - Swish
  - Paypal, Klarna, and others

- Estimates of housholds shares of purchases in each industry

Calculations

- The estimates obtained from B are used with A
  to estimate housholds' total purchases on product levels in
  each industry

- Additional information added
  - products close to only be bought by households (and the
    opposite)
  - Survey data, e.g. SBS

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Uncertainty measures

- Two options available
  - Add necessary sample surveys
  - Sensitivity analysis

- For CPI
  - Study relationship between weights and indexes
  - Study relationships among indexes
  - Study relationships among weights

Thanks!

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