

SPPI for Industrial Cleaning in Norway

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Definition of the sector

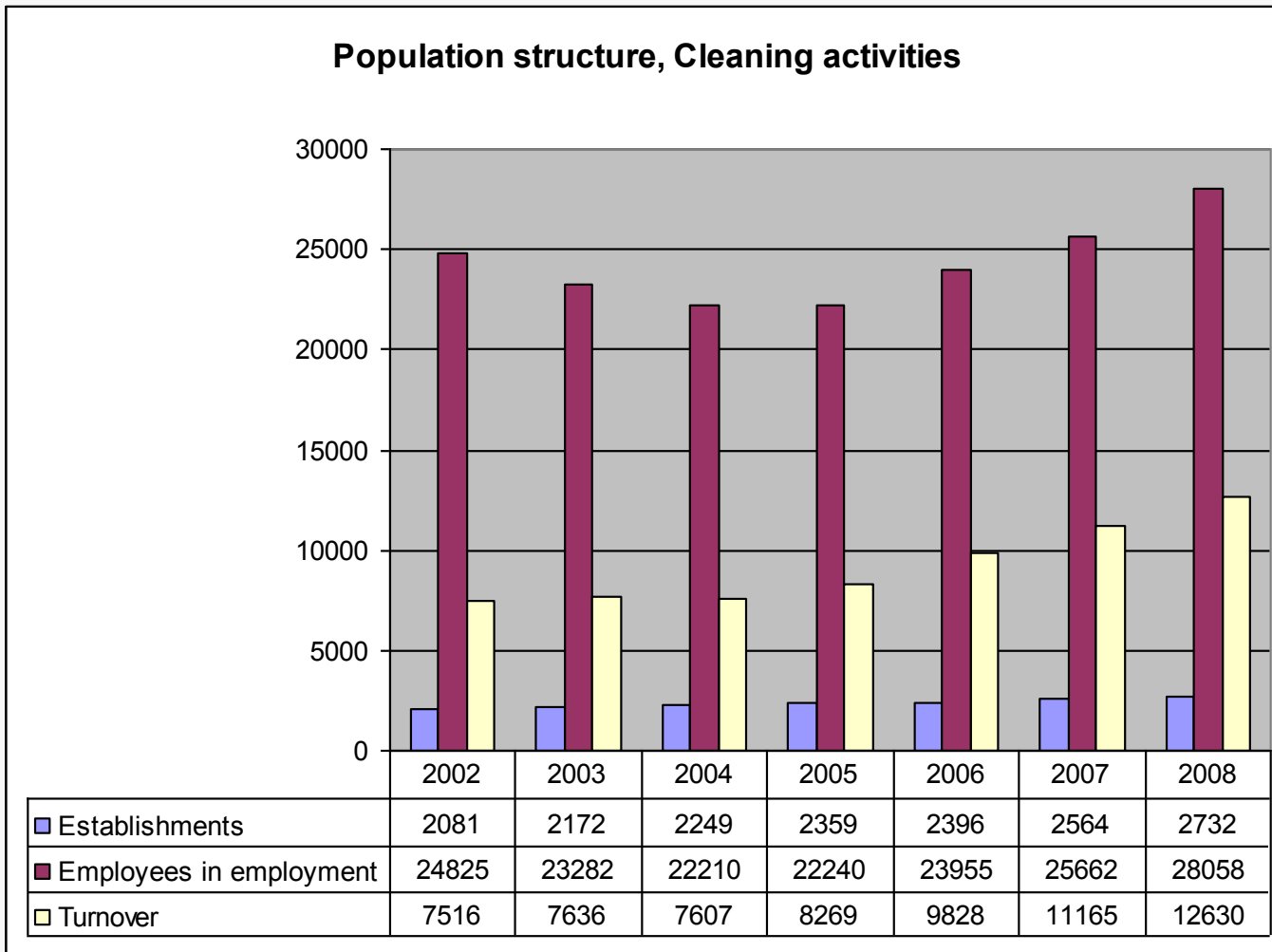
| NACE Rev. 2 | | | ISIC Rev. 4 |
|------------------------|---|--|-------------|
| Group | Class | Description | |
| 81.2 Cleaning services | 81.21 General cleaning services of buildings | Normal, non-specialised cleaning of buildings | 8121 |
| | 81.22 Other building and industrial cleaning services | Industrial, window, furnace, chimney and other specialised cleaning services | |
| | 81.29 Other cleaning services | Disinfection, exterminating, sweeping, snow removal and sanitation services | 8129 |

The Norwegian cleaning market

| Class | Turnover | Percent |
|---|----------|---------|
| General cleaning services of buildings | 8.7 | 79.8 |
| Other building and industrial cleaning services | 0.9 | 8.3 |
| Other cleaning services | 1.3 | 11.9 |

The Norwegian SPPI focus on general cleaning, but we may include parts of the other classes at a later point. Still the turnover in these classes are fairly low

The Norwegian cleaning market



Pricing methodology

- Labour-intensive industry
 - At least 60 per cent of price change due to wages
- Currently following long-term contracts over time
 - Trade organisation believes our index is incorrect, and we have started working on an alternative method
- The new method gives prices (turnover) per m² cleaned

- More on both methods follow

Current method

The screenshot shows a data entry form with the following numbered instructions:

1. Navn eller kjennetegn på kunden eller kontrakten:
2. Oppgi totalt antall kvadrater som blir rengjort i kontrakten:
3. Oppgi antall kvadrater som krever ekstra kjøp og/eller ekstra godt resultat. Eksempelvis beløst eller torn & reipseserjor.
4. Oppgi gjennomsnittlig INSTA 800-rivå på rengjøring av gulv i kontrakten. Angi nivå på denne standarden for rengjøringsskiltet for kontrakten hvis den er beryttet.
5. Oppgi totalt antall timer brukt på kontrakten for:
6. Oppgi pris eksklusiv merverdigift for:
7. Oppgi pris eksklusiv merverdigift for:
8. Dersom det har vært en prisendring i forhold til forrige kvartal, skyldes dette kan en reell prisendring? (Ja/Nei)
9. Angi i kroner hvor mye av prisendringen som skyldes endringer i kontrakten:

The form includes input fields for 'Kontrakt 1', 'Endringer', and 'Ny kontrakt' across columns corresponding to the instructions. There are also checkboxes for 'Ja' and 'Nei' for instruction 8, and a corresponding input field for instruction 9.

1. Name on contract
2. M^2
3. M^2 that needs thorough cleaning
4. INSTA 800-level (Nordic quality standard)
5. Hours used
6. This quarters price
7. Previous quarters price
8. Price control (If there has been a price change, is this a genuine price change?)
9. How much of the price change is a result of changes in the contract (not price related)?

Current method

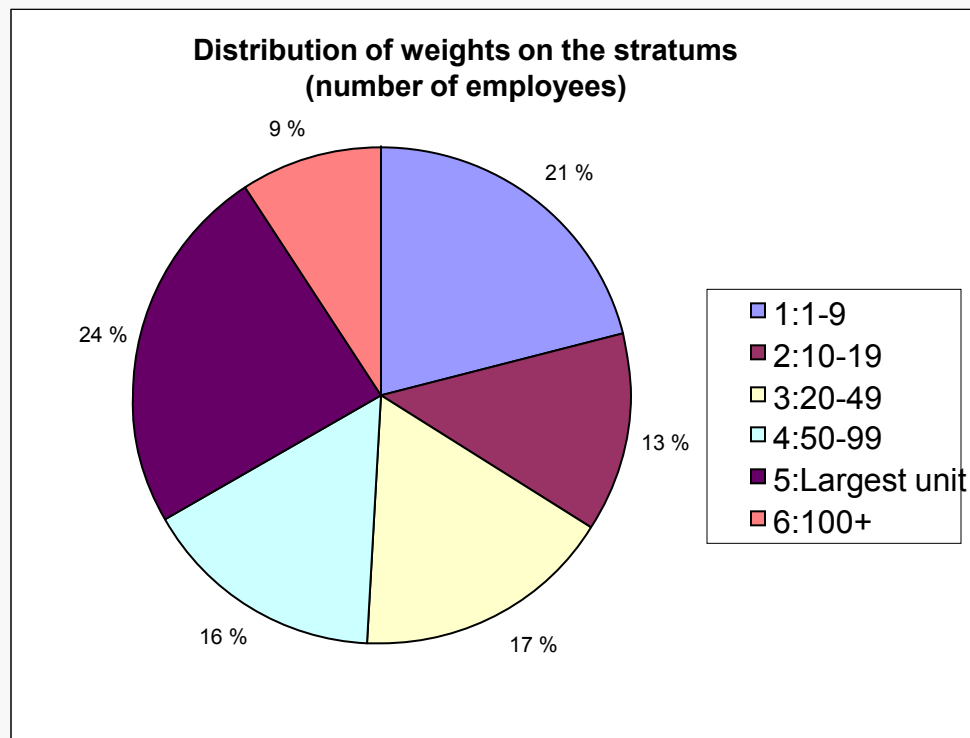
- sampling

- Randomly drawn sample based on probability proportional to size (= the larger the unit is, the bigger the chance is to end up in the sample)
- About 90 units (establishments) in the sample, from a total 2 500 units in the population (all the units in NACE rev 2. 81.2)
- The sample covers about 40 per cent of the turnover in the population
- Some large units are included longer, but the participation for smaller units are limited to maximum four years

Current method

- weights

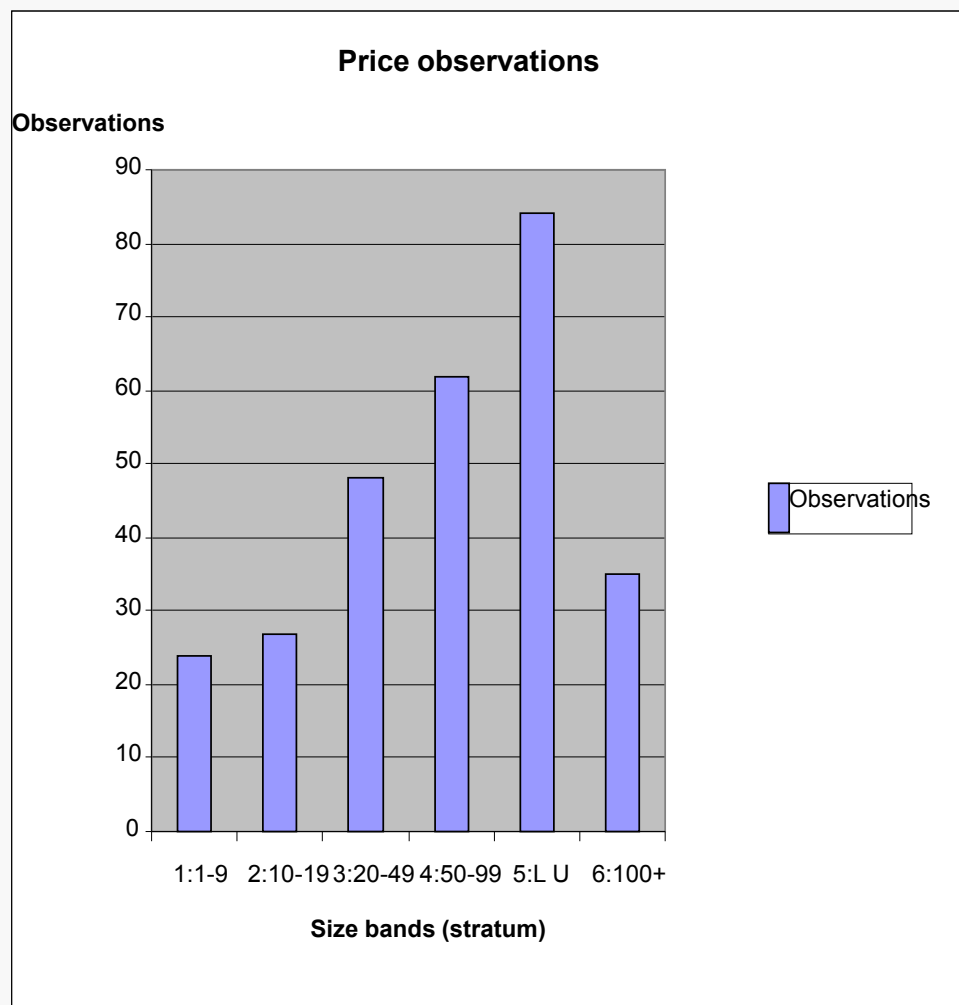
- Stratified based on number of employees (size bands)
- Largest unit with its own strata
- New weights collected every other year



Current method

- data collection

- All units send in data for three contracts each quarter
- All questionnaires are electronic (paper version available if asked for)
- Pre-printed information
- An expired contract is replaced with a similar contract
- 280 price observations
- High response rate, close to 100 per cent (compulsory fine)



New method

| NACE (cleaning location) | Region | 1 | 2 | 3 | 4 | 5 |
|---------------------------------------|---------------|----------|----------|----------|----------|----------|
| MINING AND QUARRYING | | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | | 0 | 0 | 0 | 0 | 0 |
| WATER SUPPLY, SEWERAGE | | 0 | 0 | 0 | 0 | 0 |
| CONSTRUCTION | | 0 | 0 | 0 | 0 | 0 |
| WHOLESALE AND RETAIL TRADE | | 0 | 0 | 0 | 0 | 0 |
| TRANSPORTATION AND STORAGE | | 0 | 0 | 0 | 0 | 0 |
| ACCOMMODATION AND FOOD SERVICE | | 0 | 0 | 0 | 0 | 0 |
| FINANCIAL AND INSURANCE ACTIVITIES | | 0 | 0 | 0 | 0 | 0 |
| ADMINISTRATIVE AND SUPPORT SERVICE | | 0 | 0 | 0 | 0 | 0 |
| PUBLIC ADMINISTRATION AND DEFENCE | | 0 | 0 | 0 | 0 | 0 |
| EDUCATION | | 0 | 0 | 0 | 0 | 0 |
| HUMAN HEALTH AND SOCIAL WORK | | 0 | 0 | 0 | 0 | 0 |
| ARTS, ENTERTAINMENT AND RECREATION | | 0 | 0 | 0 | 0 | 0 |
| ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS | | 0 | 0 | 0 | 0 | 0 |
| EXTRATERRITORIAL ORGANISATIONS | | 0 | 0 | 0 | 0 | 0 |

One questionnaire for turnover and one for cleaning surface

New method

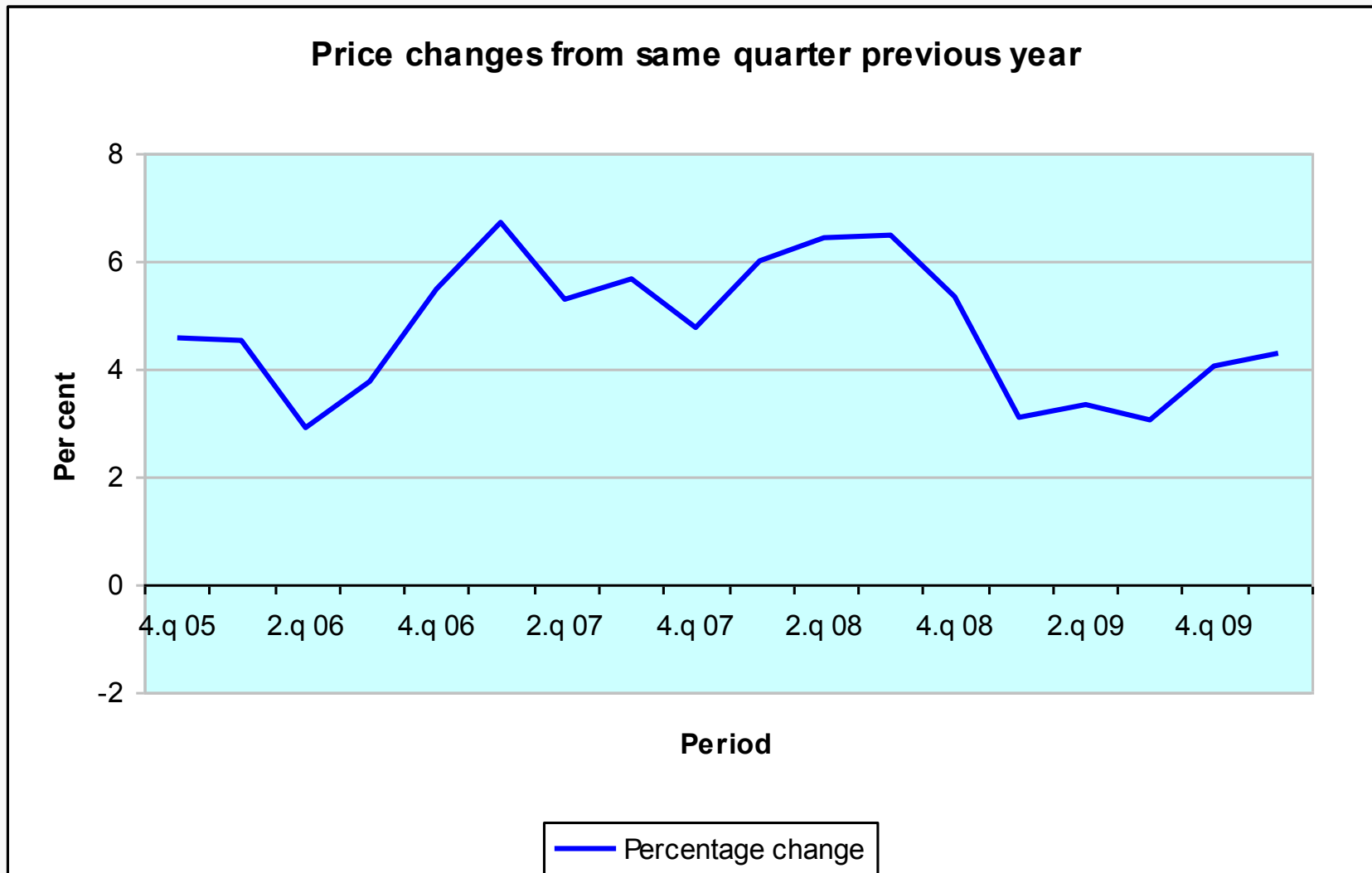
- sampling and data collection

- The sample will consist of members of the trade organisation, NHO Service
- The only changes in the sample will be if there are new members of the trade organisation or if anyone leave them
- The sample size will be about the same as now
- NHO Service will collect the data, and forward to us
- No compulsory fine will give a lower response rate

Results



Results



Future work

- Analyse data on the new method when available
- ↓
- Compare the two methods over time
- ↓
- Make a final decision on which method to use
- ↓
- Either implement the new method, or rotate our current sample, collect new weights and continue as before

Thank you for listening!