

### 1. Name of the database

Datasheet for the **DISKO firm level survey (module 1)**

D700728.XB27.SAS.FSKDATA

### 2. Owner of data in database

Statistics Denmark which requires authorisation for use of the database.

### 3. DRUID contact

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### 4. Description of the database

Disco1 is a SAS database which combines survey data and register data. It is designed to enlighten organisational and technical change in private business firms. Data collection took place during April-June 1996 by postal questionnaire followed up by telephone interviews with those who didn't respond by post. The respondents are primarily high-level executives. The survey data cover the following issues:

Changes 1993-95	Major organisational change Training and education Demand for qualifications Work organisation principles Content of work tasks Intensity of competition The effort of developing qualifications Technical and market innovation Relations with important external actors
State of things 1996	Demand for qualifications Work organisation principles The effort of developing qualifications

Register data cover number of employees, wage costs and production value supplemented by various measures of profitability, investments and capital turnover.

### 5. Population

The Danish private business sector according to size limits, i.e. manufacturing firms with at least 20 employees and non-manufacturing firms with at least 10 employees. Primary industries (agriculture etc.) are excluded. The representativity is good.

Sampling data	No. of firms	Comments
Population	10,400	Manufacturing 20+ employees Non-manufacturing 10+ employees
Sample	3,993	38.4 % of the population
Included in database	1,900	47.6 % of the sample (response rate)

Sectors	No. of employees			Response	
	No. of firms	10-49	50+	Total	%
Manufacturing		225	459	684	52.0
Construction		221	34	255	41.5
Trade		499	114	613	
Transport, hotels & restaurants, leasing		152	45	197	46.6
Business service, insurance, finance		109	42	151	
Total		1.206	694	1.900	47.6

### 6. Number of cases in database per time unit

1.900.

### 7. Total number of cases in database

1.900.

### 8. Number of variables in database

287.

### 9. Spatial coverage

Denmark, with the possibility for disaggregating into counties.

### 10. Temporal coverage

The survey data covers one unit of time, defined as 1993-95 for change variables and 1996 for state of things variables.

The register data covers different time periods, all within the period of 1990-95, cf. point 17.

### 11. Sectoral coverage

The private business sector, with the possibility for disaggregating into 117 industries or 7 industrial clusters (the so called resource areas).

### 12. Size coverage

Manufacturing 20+ employees, non-manufacturing 10+ employees.

### 13. Access via the internet?

Not available.

#### 14. Update planned

Register data for 1996 become available as soon as the Danish national accounts have been finally verified. No further update is planned.

#### 15. Publications where the database has been used

So far, the database has been used in 1 book (Gjerding et al., 1997) and 6 scientific working papers. In alphabetical order, these are:

Gjerding, A.N. (1996), *Organisational innovation in the Danish private business sector*, DRUID Working Paper No.96-16, Aalborg: Department of Business Studies, Aalborg University.

Gjerding, A.N. (1997), *Udviklingen i nordjyske virksomheders konkurrenceevne* (The development of competitiveness in North Jutland firms), NEP Publikationer no.3, Aalborg: Center for Internationale Studier, Aalborg Universitet.

Gjerding, A.N. (1998), *International competitiveness by "orgfensive" means*, International Business Economics Working Paper Series No.26, Aalborg: Centre for International Studies, Aalborg University.

Gjerding, A.N. et al. (1997), *Den fleksible virksomhed* (The flexible firm), København: Erhvervsudviklingsrådet.

Joergensen, K.M. (1998), *Information Technology and Change in Danish Organizations. Results from a Survey*, DRUID Working Paper No.98-8, Aalborg: Department of Business Studies, Aalborg University.

Lund, R. & Gjerding, A.N. (1996), *The flexible company. Innovation, work organisation and human resource management*, DRUID Working Paper No.96-17, Aalborg: Department of Business Studies, Aalborg University.

Lundvall, B.-Å. & Kristensen, F.S. (1997), *Organisational change, innovation and human resource Development as a response to increased competition*, DRUID Working Paper No.97-16, Aalborg: Department of Business Studies, Aalborg University.

#### 16. Further information

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#### 17. Attachment

See the appendix below, briefly describing the register variables.

#### Appendix: Register variables at the level of the individual firm

Variable	Danish term	Time period
Rate of return on investments	Afkastningsgrad	1990-94
Fixed assets	Anlægsaktiver	1994-95
Other fixtures and fittings, tools and equipment	Andre anlæg, driftsmateriel og maskiner	1994

Capital and reserves	Egenkapital	1995
Yield on equity	Egenkapitalens forrentning	1990-94
Outside financing	Fremmedkapital	1995
Yield on outside financing	Fremmedkapitalens forrentning	1990-94
Export volume	Eksport	1995
Investments in plant and machinery	Investering i driftsmidler	1990-94
Rate of investment	Investeringsgrad	1990-94
Expenses for raw materials and consumables	Varekøb	1995
Staff costs	Lønsum	1990-95
Profit/loss before tax	Overskud før skat	1990-94
Turnover	Omsætning	1995
Production value	Produktionsværdi	1990-94
Total assets	Samlede aktiver	1990-95
	Soliditetsgrad	1990-95
Value added	Værditilvækst	1990-95
No. of man years employed	Antal årsværk	1990-95
No. of employees	Beskæftigede	1990-95

#### In addition

Danish industry classification

NACE classification

Classification by county

#### Supplementary information

The Danish questionnaire and the frequencies attached to each question, i.e. the change and the state of things variables (point 4 above), appear in the appendix of Gjerding (1996) and Lund & Gjerding (1996), cf. point 15 above for further references.