

Codebook: NA310G firm panel (synthetic), 2018–2024

These data are synthetic. No row describes a real firm. The panel was generated by a statistical model built to resemble Swedish firm accounts (Serrano) linked to job advertisements (Platsbanken). It is made for learning econometrics in NA310G. **Do not use it to draw conclusions about Swedish firms or about AI.**

Your file: na310g_data_<your code>.dta (Stata) and .csv (the same data). Each student has a personal panel, generated from their own code, so your numbers will differ from your classmates'. The course panel used in the labs is na310g_data_course.dta.

Before you start: inspect every variable before you use it: zeros, negatives, missing values and outliers are part of the data.

Structure

Unit of observation	firm-year
Firms	about 1,550 (large firms)
Years	2018–2024; not every firm is observed in every year
Panel identifiers	firmID, year
Money	thousand SEK (KSEK), current prices, as recorded in the accounts

Variables

Firm and panel

Variable	Label	Unit / coding
firmID	Firm ID	identifier
year	Year	2018–2024
bransch_sni07	Primary SNI07	SNI 2007 code at division level, written in 5-digit form (e.g. 25000)
ser_laen	County	län code (value-labelled)
knc_kncfall	Group situation	code 1–4
knc_landkod_knc	Country of parent company	country code; ZZ = other countries
ser_regdat	Registration date	Stata date
ser_aas	Number of workplaces	count
bslov_antanst	Employees	count

Income statement (KSEK, as recorded in the accounts)

Variable	Label
rr01_ntoms	Net sales
rr02_rointov	Other operating income

Variable	Label
rr04a_loner	Salaries
rr04b_sockostn	Social security contributions
rr04_perskos	Personnel expenses
rr04c_foradlv	Value added
rr05_avskriv	Depreciation and amortization
rr06_rorkoov	Other operating expenses
rr07_rorresul	Operating profit/loss
rr08_finintk	Financial income
rr09_finkostn	Financial expenses
rr12_resefin	Profit/Loss after net financial income/expenses
rr15_resar	Net profit/loss for the year

Balance sheet (KSEK, book values as recorded in the accounts)

Variable	Label
br01_imanlsu	Intangible fixed assets
br02a_byggmark	Building and land
br03_maskiner	Machinery and equipment
br02b_matanlov	Other tangible fixed assets
br02_matanlsu	Tangible fixed assets
br04_fianltsu	Financial assets
br05_anltsu	Total fixed assets
br06c_lagersu	Total inventories
br06g_kfordsu	Total current receivables
br07a_kplacsu	Investments in securities etc.
br07b_kabasu	Cash and bank balances
br08_omstgsu	Total current assets
br09_tillgsu	Total assets
br10_eksu	Total equity
br13_ksksu	Total current liabilities
br15_lsksu	Total non-current liabilities

Key ratios

Variable	Label	Unit
ny_foradlvpanst	Value added per employee	KSEK per employee
ny_solid	Equity/Asset ratio	share

Job advertisements (the firm's ads on Platsbanken in the year)

Variable	Label	Unit / coding
vacancies	Vacancies advertised this year	count

Variable	Label	Unit / coding
n_ads	Number of job ads posted by the firm this year	count
n_ai_ads	Number of the firm's ads this year that mention AI skills	count
ai_firm	AI adoption proxy: 1 if at least one ad mentions AI skills	0/1
has_ads	1 if the firm posted at least one ad this year	0/1
ssyk_main	Most advertised occupation this year (SSYK 2012, 4-digit)	occupation code; merge key for the occupation file (ssyk2012_4)
skill_ai	Share of the firm's ads this year mentioning AI	share of the firm's ads

Occupations in the firm's ads (average over the firm's ads that year, weighted by the number of ads; missing in years without ads. The occupation file na310g_occupations_ssyk2012.dta gives the same measures per occupation, to merge on ssyk_main)

Variable	Measure	Source of the measure
daioe_pctl	AI exposure of the occupations, percentile rank 0–100 (all AI applications)	DAIOE, 2025 vintage (AI-Econ Lab)
daioe_genai_pctl	Generative-AI exposure of the occupations, percentile rank 0–100	DAIOE, 2025 vintage (AI-Econ Lab)
cognitive_abilities, physical_abilities, psychomotor_abilities, phys_psychom_abilities, sensory_abilities, social_skills, conseq_error	Importance of abilities and work context	O*NET

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The data are synthetic and may be shared. They are generated for teaching; their numbers are properties of the model that produced them, not of the Swedish economy.