List of Variables 8th Vintage

Contents
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1. Competition Variables

	Competition	
Variable Code	**Variable Name**	**Definition**
	Estimates	
CE32	dm_0	Firm labor market power - Spec. 0
CE33	dm_1	Firm labor market power - Spec. 1
CE34	dm_2	Firm labor market power - Spec. 2
CE35	dm_3	Firm labor market power - Spec. 3
CE36	dm_4	Firm labor market power - Spec. 4
CE37	dm_5	Firm labor market power - Spec. 5
CE38	markup_l_0	Firm markup - labor input decision - Spec. 0
CE39	markup_l_1	Firm markup - labor input decision - Spec. 1
CE40	markup_l_2	Firm markup - labor input decision - Spec. 2
CE41	markup_l_3	Firm markup - labor input decision - Spec. 3
CE42	markup_l_4	Firm markup - labor input decision - Spec. 4
CE43	markup_l_5	Firm markup - labor input decision - Spec. 5

Competition		
Variable Code	**Variable Name**	**Definition**
CE44	markup_m_0	Firm markup - intermediate input decision - Spec. 0
CE45	markup_m_1	Firm markup - intermediate input decision - Spec. 1
CE46	markup_m_2	Firm markup - intermediate input decision - Spec. 2
CE47	markup_m_3	Firm markup - intermediate input decision - Spec. 3
CE48	markup_m_4	Firm markup - intermediate input decision - Spec. 4
CE49	markup_m_5	Firm markup - intermediate input decision - Spec. 5
CE50	markup_ml_0	markup - labor + intermed. input decision - Spec. 0
CE51	markup_ml_1	markup - labor + intermed. input decision - Spec. 1
CE52	markup_ml_2	markup - labor + intermed. input decision - Spec. 2
CE53	markup_ml_3	markup - labor + intermed. input decision - Spec. 3
CE54	markup_ml_4	markup - labor + intermed. input decision - Spec. 4
CE55	markup_ml_5	markup - labor + intermed. input decision - Spec. 5
Ratios		
CR00	top_rev_sam_C	Top10 firms' share in revenues, country level

Competition		
Variable Code	**Variable Name**	**Definition**
CR01	top_rev_sam_M	Top10 firms' share in revenues, macro-sector level
CR02	top_rev_sam_2D	Top10 firms' share in revenues, 2-digit industry level
CR03	top_rev_sam_N	Top10 firms' share in revenues, NUTS2 level
CR04	top_ifa_sam_2D	Top10 firms' share in ifa, 2-digit indust. Level
CR05	top_ifa_sam_C	Top10 firms' share in intangible fixed assets, country level
CR06	top_ifa_sam_M	Top10 firms' share in intangible fixed assets, macro-sector level
CR07	top_ifa_sam_N	Top10 firms' share in intangible fixed assets, NUTS2 level
CR08	top_l_sam_2D	Top10 firms' labor share, 2-digit industry level
CR09	top_l_sam_C	Top10 firms' labor share, country level
CR10	top_l_sam_M	Top10 firms' labor share, macro-sector level
CR11	top_l_sam_N	Top10 firms' labor share, NUTS2 level

Competition		
Variable Code	**Variable Name**	**Definition**
CR12	top_lc_sam_2D	Top10 firms' share in labor costs, 2-digit industry level
CR13	top_lc_sam_C	Top10 firms' share in labor costs, country level
CR14	top_lc_sam_M	Top10 firms' share in labor costs, macro-sector level
CR15	top_lc_sam_N	Top10 firms' share in labor costs, NUTS2 level
CR16	top_rk_sam_2D	Top10 firms' share in real capital, 2-digit industry level
CR17	top_rk_sam_C	Top10 firms' share in real capital, country level
CR18	top_rk_sam_M	Top10 firms' share in real capital, macro-sector level
CR19	top_rk_sam_N	Top10 firms' share in real capital, NUTS2 level
CR20	top_rva_sam_2D	Top10 firms' share in real value added, 2-digit industry level
CR21	top_rva_sam_C	Top10 firms' share in real value added, country level
CR22	top_rva_sam_M	Top10 firms' share in real value added, macro-sector level
CR23	top_rva_sam_N	Top10 firms' share in real value added, NUTS2 level
Values		

Competition		
Variable Code	**Variable Name**	**Definition**
CV12	hhi_ifa_sam_C	Hirschman-Herfindahl Index, intangible shares, country, sample
CV13	hhi_ifa_sam_M	Hirschman-Herfindahl Index, intangible shares, mac_sector, sample
CV14	hhi_ifa_sam_N	Hirschman-Herfindahl Index, intangible shares, NUTS2, sample
CV15	hhi_ifa_sam_2D	Hirschman-Herfindahl Index, intangible shares, industry, sample
CV12	hhi_ifa_pop_C	Hirschman-Herfindahl Index, intangible shares, country, population
CV13	hhi_ifa_pop_M	Hirschman-Herfindahl Index, int. fix.assets, mac_sector, population
CV14	hhi_ifa_pop_N	Hirschman-Herfindahl Index, intangible shares, NUTS2, population
CV15	hhi_ifa_pop_2D	Hirschman-Herfindahl Index, intangible shares, industry, population
CV20	hhi_l_sam_C	Hirschman-Herfindahl Index, employment shares, country, sample

Competition		
Variable Code	**Variable Name**	**Definition**
CV21	hhi_l_sam_M	Hirschman-Herfindahl Index, employment shares, mac_sector, sample
CV22	hhi_l_sam_N	Hirschman-Herfindahl Index, employment shares, NUTS2, sample
CV23	hhi_l_sam_2D	Hirschman-Herfindahl Index, employment shares, industry, sample
CV20	hhi_l_pop_C	Hirschman-Herfindahl Index, employment shares, country, population
CV21	hhi_l_pop_M	Hirschman-Herfindahl Index, emp. shares, mac_sector, population
CV22	hhi_l_pop_N	Hirschman-Herfindahl Index, employment shares, NUTS2, population
CV23	hhi_l_pop_2D	Hirschman-Herfindahl Index, employment shares, industry, population
CV28	hhi_lc_sam_C	Hirschman-Herfindahl Index, nom labor cost shares, country, sample
CV29	hhi_lc_sam_M	Hirschman-Herfindahl Index, nlc, mac_sector, sample

Competition		
Variable Code	**Variable Name**	**Definition**
CV30	hhi_lc_sam_N	Hirschman-Herfindahl Index, nom labor cost shares, NUTS2, sample
CV31	hhi_lc_sam_2D	Hirschman-Herfindahl Index, nom labor cost shares, industry, sample
CV28	hhi_lc_pop_C	Hirschman-Herfindahl Index, nom labor cost shares, country, pop.
CV29	hhi_lc_pop_M	Hirschman-Herfindahl Index, nom labor cost shares, mac_sector, pop.
CV30	hhi_lc_pop_N	Hirschman-Herfindahl Index, nom labor cost shares, NUTS2, pop.
CV31	hhi_lc_pop_2D	Hirschman-Herfindahl Index, nom labor cost shares, industry, pop.
CV04	hhi_rev_sam_C	Hirschman-Herfindahl Index, nom. revenue shares, country, sample
CV05	hhi_rev_sam_M	Hirschman-Herfindahl Index, nom. revenue shares, mac_sector, sample
CV06	hhi_rev_sam_N	Hirschman-Herfindahl Index, nom. revenue shares, NUTS2, sample

	Competition	
Variable Code	**Variable Name**	**Definition**
CV07	hhi_rev_sam_2D	Hirschman-Herfindahl Index, nom. revenue shares, industry, sample
CV04	hhi_rev_pop_C	Hirschman-Herfindahl Index, nom. revenue shares, country, pop.
CV05	hhi_rev_pop_M	Hirschman-Herfindahl Index, nom. revenue shares, mac_sector, pop.
CV06	hhi_rev_pop_N	Hirschman-Herfindahl Index, nom. revenue shares, NUTS2, pop.
CV07	hhi_rev_pop_2D	Hirschman-Herfindahl Index, nom. revenue shares, industry, pop.
CV36	hhi_rk_sam_C	Hirschman-Herfindahl Index, real capital shares, country, sample
CV37	hhi_rk_sam_M	Hirschman-Herfindahl Index, real capital shares, mac_sector, sample
CV38	hhi_rk_sam_N	Hirschman-Herfindahl Index, real capital shares, NUTS2, sample
CV39	hhi_rk_sam_2D	Hirschman-Herfindahl Index, real capital shares, industry, sample

	Competition	
Variable Code	**Variable Name**	**Definition**
CV36	hhi_rk_pop_C	Hirschman-Herfindahl Index, real capital shares, country, pop.
CV37	hhi_rk_pop_M	Hirschman-Herfindahl Index, real capital shares, mac_sector, pop.
CV38	hhi_rk_pop_N	Hirschman-Herfindahl Index, real capital shares, NUTS2, pop.
CV39	hhi_rk_pop_2D	Hirschman-Herfindahl Index, real capital shares, industry, pop.
CV44	hhi_rva_pos_sam_C	Hirschman-Herfindahl Index, rva shares, country, sample
CV45	hhi_rva_pos_sam_M	Hirschman-Herfindahl Index, rva shares, mac_sector, sample
CV46	hhi_rva_pos_sam_N	Hirschman-Herfindahl Index, real value-added shares, NUTS2, sample
CV47	hhi_rva_pos_sam_2D	Hirschman-Herfindahl Index, rva shares, industry, sample
CV44	hhi_rva_pos_pop_C	Hirschman-Herfindahl Index, real value-added shares, country, pop.
CV45	hhi_rva_pos_pop_M	Hirschman-Herfindahl Index, rva shares, mac_sector, pop.

Competition		
Variable Code	**Variable Name**	**Definition**
CV46	hhi_rva_pos_pop_N	Hirschman-Herfindahl Index, real value-added shares, NUTS2, pop.
CV47	hhi_rva_pos_pop_2D	Hirschman-Herfindahl Index, real value-added shares, industry, pop.

2. Productivity Variables

Productivity		
Variable Code	**Variable Name**	**Definition**
Estimates		
PEb0	tfp_0	TFP - Specification 0 (CD, industry-level cost shares)
PEb1	tfp_1	TFP - Specification 1 (CD, industry-level OLS)
PEb2	tfp_2	TFP - Specification 2 (TL, industry-level OLS)
PEb3	tfp_3	TFP - Specification 3 (CD, industry-year-level OLS)

	Productivity	
Variable Code	**Variable Name**	**Definition**
PEb4	tfp_4	TFP - Specification 4 (CD, industry-level ACF)
PEb5	tfp_5	TFP - Specification 5 (TL, industry-level ACF)
PEb7	mpk_0	marg. product of capital - Specification 0
PEb8	mpk_1	marg. Product of capital - Specification 1
PEb9	mpk_2	marg. product of capital - Specification 2
PEc0	mpk_3	marg. Product of capital - Specification 3
PEc1	mpk_4	marg. Product of capital - Specification 4
PEc2	mpk_5	marg. Product of capital - Specification 5
PEc3	mpl_0	marg. product of labor - Specification 0
PEc4	mpl_1	marg. Product of labor - Specification 1
PEc5	mpl_2	marg. product of labor - Specification 2
PEc6	mpl_3	marg. Product of labor - Specification 3
PEc7	mpl_4	marg. Product of labor - Specification 4

	Productivity	
Variable Code	**Variable Name**	**Definition**
PEc8	mpl_5	marg. Product of labor - Specification 5
PEc9	mpm_0	marg. product of intermediates - Specification 0
PEd0	mpm_1	marg. product of intermediates - Specification 1
PEd1	mpm_2	marg. product of intermediates - Specification 2
PEd2	mpm_3	marg. product of intermediates - Specification 3
PEd3	mpm_4	marg. product of intermediates - Specification 4
PEd4	mpm_5	marg. product of intermediates - Specification 5
PEd5	mrpk_0	marg. revenue product of capital - Specification 0
PEd6	mrpk_1	marg. revenue product of capital - Specification 1
PEd7	mrpk_2	marg. revenue product of capital - Specification 2

	Productivity	
Variable Code	**Variable Name**	**Definition**
PEd8	mrpk_3	marg. revenue product of capital - Specification 3
PEd9	mrpk_4	marg. revenue product of capital - Specification 4
PEe0	mrpk_5	marg. revenue product of capital - Specification 5
PEe1	mrpl_0	marg. revenue product of labor - Specification 0
PEe2	mrpl_1	marg. revenue product of labor - Specification 1
PEe3	mrpl_2	marg. revenue product of labor - Specification 2
PEe4	mrpl_3	marg. revenue product of labor - Specification 3
PEe5	mrpl_4	marg. revenue product of labor - Specification 4
PEe6	mrpl_5	marg. revenue product of labor - Specification 5
PEe7	oe_k_0	output elasticity w.r.t. capital - Specification 0
PEe8	oe_k_0_va	value-added elasticity w.r.t. capital - Specification 0
PEe9	oe_k_1	output elasticity w.r.t. capital - Specification 1
PEf0	oe_k_1_va	value-added elasticity w.r.t. capital - Specification 1

Productivity		
Variable Code	**Variable Name**	**Definition**
PEf1	oe_k_2	output elasticity w.r.t. capital - Specification 2
PEf2	oe_k_2_va	value-added elasticity w.r.t. capital - Specification 2
PEf3	oe_k_3	output elasticity w.r.t. capital - Specification 3
PEf4	oe_k_3_va	value-added elasticity w.r.t. capital - Specification 3
PEf5	oe_k_4	output elasticity w.r.t. capital - Specification 4
PEf6	oe_k_4_va	value-added elasticity w.r.t. capital - Specification 4
PEf7	oe_k_5	output elasticity w.r.t. capital - Specification 5
PEf8	oe_k_5_va	value-added elasticity w.r.t. capital - Specification 5
PEf9	oe_l_0	output elasticity w.r.t. labor - Specification 0
PEg0	oe_l_0_va	value-added elasticity w.r.t. labor - Specification 0
PEg1	oe_l_1	output elasticity w.r.t. labor - Specification 1
PEg2	oe_l_1_va	value-added elasticity w.r.t. labor - Specification 1
PEg3	oe_l_2	output elasticity w.r.t. labor - Specification 2

	Productivity	
Variable Code	**Variable Name**	**Definition**
PEg4	oe_l_2_va	value-added elasticity w.r.t. labor - Specification 2
PEg5	oe_l_3	output elasticity w.r.t. labor - Specification 3
PEg6	oe_l_3_va	value-added elasticity w.r.t. labor - Specification 3
PEg7	oe_l_4	output elasticity w.r.t. labor - Specification 4
PEg8	oe_l_4_va	value-added elasticity w.r.t. labor - Specification 4
PEg9	oe_l_5	output elasticity w.r.t. labor - Specification 5
PEh0	oe_l_5_va	value-added elasticity w.r.t. labor - Specification 5
PEh1	oe_m_0	output elasticity w.r.t. intermediates- Specification 0
PEh2	oe_m_1	output elasticity w.r.t. intermediates- Specification 1
PEh3	oe_m_2	output elasticity w.r.t. intermediates- Specification 2
PEh4	oe_m_3	output elasticity w.r.t. intermediates- Specification 3

Productivity		
Variable Code	**Variable Name**	**Definition**
PEh5	oe_m_4	output elasticity w.r.t. intermediates- Specification 4
PEh6	oe_m_5	output elasticity w.r.t. intermediates- Specification 5
PEh7	ps_0	MRPL-wage Gap (deflated) - Specification 0
PEh8	ps_1	MRPL-wage Gap (deflated) - Specification 1
PEh9	ps_2	MRPL-wage Gap (deflated) - Specification 2
PEi0	ps_3	MRPL-wage Gap (deflated) - Specification 3
PEi1	ps_4	MRPL-wage Gap (deflated) - Specification 4
PEi2	ps_5	MRPL-wage Gap (deflated) - Specification 5
PEi3	rts_0	RTS - Specification 0 (CD, industry-level cost shares)
PEi4	rts_1	RTS - Specification 1 (CD, industry-level OLS)
PEi5	rts_2	RTS - Specification 2 (TL, industry-level OLS)
PEi6	rts_3	RTS - Specification 3 (CD, industry-year-level OLS)

Productivity		
Variable Code	**Variable Name**	**Definition**
PEi7	rts_4	RTS - Specification 4 (CD, industry-level ACF)
PEi8	rts_5	RTS - Specification 5 (TL, industry-level ACF)
PEi9	ln_tfp_0	Log(TFP) - Specification 0 (CD, industry-level cost shares)
PEj0G1	ln_tfp_1	Growth rate (from t-1): ln_tfp_1
PEj0	ln_tfp_1	Log(TFP) - Specification 1 (CD, industry-level OLS)
PEj1	ln_tfp_2	Log(TFP) - Specification 2 (TL, industry-level OLS)
PEj2	ln_tfp_3	Log(TFP)- Specification 3 (CD, industry-year-level OLS)
PEj3	ln_tfp_4	Log(TFP) - Specification 4 (CD, industry-level ACF)
PEj4	ln_tfp_5	Log(TFP) - Specification 5 (TL, industry-level ACF)
Values		
PV00	kprod_va	Capital productivity, computed as rva/nk
PV01	lnkprod_va	Log capital productivity real value added based: ln(rva/nk)

	Productivity	
Variable Code	**Variable Name**	**Definition**
PV02G1	lnlprod_rev	Growth rate (from t-1): log. labor prod., real revenue based
PV02	lnlprod_rev	Log labor productivity, real revenue based: ln(rrev/l)
PV03G1	lnlprod_va	Growth rate (from t-1): log. labor prod., real value-added based
PV03	lnlprod_va	Log labor productivity, real value added based: ln(rva/l)
PV04	lnsr	Log. Solow residual, weights in CD: labor 2/3, rk 1/3
PV05	lnsr_cs	Log. Solow residual, weights in CD from cost shares
PV06	lprod_rev	Labor productivity, real revenue based, computed as rrev/l
PV07	lprod_va	Labor productivity, real value added based, computed as rva/l
PV08	solowres	Solow residual, weights in CD: labor 2/3, rk 1/3
PV09	solowres_cs	Solow residual, weights in CD from cost shares

3. Labour Variables

Labour		
Variable Code	**Variable Name**	Definition
Dummies		
LD00	high_growth	D = 1, if firm had high employment growth in last 3 years
LD01	t10_l_C	D = 1, if Top10 firm by employee-number, country level
LD02	t10_l_M	D = 1, if Top10 firm by employee-number, macsec-level
LD03	t10_l_2D	D = 1, if Top10 firm by employee-number, sector-level
Ratios		
LR00	lc_rev	Ratio: wageshare: nom. labor cost / nom. Revenue
LR01	lc_va	Ratio: wageshare: nom. labor cost / nom. value-added
LR02	tertshare	Share of employees with tertiary education
LR03	ulc	Ratio: Unit labor costs: nom. labor cost / real value-added
Values		

Labour		
Variable Code	**Variable Name**	**Definition**
LV21GH	firm	Haltiwanger-Davis-Schuh[1] growth rate (from t-1): labor.
LV21GH	firm_neg	Haltiwanger-Davis-Schuh growth rate (from t-1): labor, only negative
LV21GH	firm_pos	Haltiwanger-Davis-Schuh growth rate (from t-1): labor, only positive
LV24	Rwage	Real wage
LV00	avg_wage	Ratio: wage as average labor cost per employee and year (nlc/l)
LV01	jcr_pop_C	Job creation rates, country level, population
LV02	jcr_pop_M	Job creation rates, mac-sector level, population
LV03	jcr_pop_MS	Job creation rates, macsec-szclass level, population
LV04	jcr_pop_N	Job creation rates, NUTS2 level, population
LV05	jcr_pop_2D	Job creation rates, sector level, population
LV01	jcr_sam_C	Job creation rates, country level, sample

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[1] See Davis, Steven J., John Haltiwanger, and Scott Schuh. "Small business and job creation: Dissecting the myth and reassessing the facts." *Small Business Economics* 8.4 (**1996**): 297-315

	Labour	
Variable Code	**Variable Name**	**Definition**
LV02	jcr_sam_M	Job creation rates, mac-sector level, sample
LV03	jcr_sam_MS	Job creation rates, macsec-szclass level, sample
LV04	jcr_sam_N	Job creation rates, NUTS2 level, sample
LV05	jcr_sam_2D	Job creation rates, sector level, sample
LV11	jdr_pop_C	Job destruction rates, country level, population
LV12	jdr_pop_M	Job destruction rates, mac-sector level, population
LV13	jdr_pop_MS	Job destruction rates, macsec-szclass level, population
LV14	jdr_pop_N	Job destruction rates, NUTS2 level, population
LV15	jdr_pop_2D	Job destruction rates, sector level, population
LV11	jdr_sam_C	Job destruction rates, country level, sample
LV12	jdr_sam_M	Job destruction rates, mac-sector level, sample
LV13	jdr_sam_MS	Job destruction rates, macsec-szclass level, sample
LV14	jdr_sam_N	Job destruction rates, NUTS2 level, sample

Labour		
Variable Code	**Variable Name**	**Definition**
LV15	jdr_sam_2D	Job destruction rates, sector level, sample
LV21G1	L	Growth rate (from t-1): labor = number of employees
LV21G3	L	Growth rate (from t-3): labor = number of employees
LV21	L	Labor: number of employees in headcounts
LV22	wage_premium_pop_2D	wage premium as % deviation from sector median, population
LV23	wage_premium_sam_2D	wage premium as % deviation from industry median, sample

4. Trade Variables

Trade		
Variable Code	**Variable Name**	**Definition**
Categorical		
TC00	exp_dest	Categorical variable indicating export destinations

Trade		
Variable Code	**Variable Name**	**Definition**
TC01	exp_imp_rel	Categorical variable indicating the direction of trade
TC02	exp_time_3y	Categorical variable indicating the timing of exports
TC03	exp_top10	Categorical variable indicating large exporters
TC04	imp_dest	Categorical variable indicating the origins of imports
TC05	imp_time_3y	Categorical variable indicating the timing of imports
TC06	imp_top10	Categorical variable indicating large importers
Dummies		
TD01	2w_exterior_adj	D = 1, if exEU exports & imports > inEU exp & imp, adj.
TD03	2w_extersale_adj	D = 1: exEU exp. > inEU exp. & exEU imp. < inEU imp., adj
TD07	2w_interior_adj	D = 1: inEU trade vol. (exp. & imp.) > exEU trade vol., adj.
TD09	2w_intersale_adj	D = 1: inEU exp. > exEU exp. & inEU imp. < exEU imp., adj

Trade		
Variable Code	**Variable Name**	**Definition**
TD13	2w_total_adj	D = 1, if firm is twoway trader (exporting & importing), adj.
TD14	Exp	D = 1, if exporting
TD15	exp_adj	D = 1, if exporting, adj.
TD15	exp_adj_con2	D = 1, if exporting now and the year before, adj.
TD17	exp_adj_con3	D = 1, if 3 years consecutive exporter intra-EU (t-2, t-1, t), adj.
TD18	exp_adj_net	D = 1, if net exporter (exports>imports), adj.
TD19	exp_adj_new2	D = 1, if new exporter in t (and no exports in t-1), adj.
TD21	exp_adj_non2	D = 1, if not exporting (t-1, t), adj.
TD22	exp_adj_non3a	D = 1, if not exporting (t-1, t, t+1), adj.
TD23	exp_adj_stop1	D = 1, if exporter in t-1, but not in t, adj.
TD24	exp_adj_stop3a	D = 1, if exporter in t-1 & t but not in t+1, adj.
TD26	t10_exp_adj_C	D = 1, if Top10 exporter, country level, adj.
TD27	t10_exp_adj_2D	D = 1, if Top10 exporter, sector level, adj.
TD30	exp_ex	D = 1, if exporting extra-EU

Trade		
Variable Code	**Variable Name**	**Definition**
TD31	exp_ex_adj	D = 1, if exporting extra-EU, adj.
TD54	exp_in	D = 1, if exporting intra-EU
TD55	exp_in_adj	D = 1, if exporting intra-EU, adj.
TD88	Imp	D = 1, if importing
TD89	imp_adj	D = 1, if importing , adj.
TD90	imp_adj_con2	D = 1, if 2 years consecutive importer (t-1, t), adj.
TD93	t10_imp_adj_C	D = 1, if Top10 importer, country level, adj.
TD94	t10_imp_adj_2D	D = 1, if Top10 importer, sector level, adj.
TD97	imp_ex	D = 1, if importing extra-EU
TD98	imp_ex_adj	D = 1, if importing extra-EU, adj.
TDa7	imp_in	D = 1, if importing intra-EU
TDa8	imp_in_adj	D = 1, if importing intra-EU, adj.
TDc0	exp_adj_new3	D = 1, if new exporter in t (and no exports in both t-2 and t-1)
TDc1	exp_adj_non3b	D = 1, if not exporting (t-2, t-1, t), adj.
TDc2	exp_adj_stop3b	D = 1, if exports in t-2, t-1 but not in t, adj.

	Trade	
Variable Code	**Variable Name**	**Definition**
TDc3	exp_val_swi	D = 1, if exports in t-1, but not in t-2 and not in t, adj.
TDc4	imp_adj_con3	D = 1, if 3 years consecutive importer (in t-2, t-1 and t), adj.
TDc5	imp_adj_new2	D = 1, if imports in t, but no imports in t-1
TDc6	imp_adj_new3	D = 1, if imports in t, but no imports in t-2 and t-1
TDc7	imp_adj_non2	D = 1, if no imports in t-1 and t
TDc8	imp_adj_non3a	D = 1, if no imports in t-1, t, and t+1
TDc9	imp_adj_non3b	D = 1, if non-importer (no imports in t-2, t-1, and t)
TDd0	imp_adj_stop3b	D = 1, if firm imported in both t-2 and t-1, but not in t, adj.
TDd1	imp_adj_swi	D = 1, if firm imported in both t-2 and t, but not in t-1, adj.
TDd2	imp_adj_stop1	D = 1, if imports in t-1, but not in t, adj.
	Ratios	
TR00	exp_adj_pop_C	Ratio: exports, adj., share of total, country level, pop.

	Trade	
Variable Code	**Variable Name**	**Definition**
TR01	exp_adj_pop_2D	Ratio: exports, adj., share of total, sector level, pop.
TR02	exp_adj_rev	Ratio: Export Ratio: exports adj. / nom. Revenue
TR03	exp_adj_sam_C	Ratio: exports, adj., share of total, country level, sample
TR04	exp_adj_sam_2D	Ratio: exports, adj., share of total, sector level, sample
TR05	exp_adj_va_rev	Ratio: value added in export (adj.) revenue: exp*nva/nrev
TR36	imp_adj_pop_C	Ratio: imports, adj., share of total, country level, pop.
TR37	imp_adj_pop_2D	Ratio: imports, adj., share of total, sector level, pop.
TR38	imp_adj_rev	Ratio: import Ratio: imports adj. / nom. Revenue
TR39	imp_adj_sam_C	Ratio: imports, adj., share of total, country level, sample
TR40	imp_adj_sam_2D	Ratio: imports, adj., share of total, sector level, sample
TR67	imp_exp_adj	Ratio: import intensity = imp/exp, adj.
	Values	
TV02	exp	Exports
TV02G1	exp_val_adj	Growth rate (from t-1): adjusted exports

Trade		
Variable Code	**Variable Name**	**Definition**
TV02G1	exp_val	Growth rate (from t-1): exports
TV03	exp_adj	Exports, adj.
TV04	exp_ex	Exports extra-EU
TV05	exp_ex_adj	Exports extra-EU, adj.
TV06	exp_in	Exports intra-EU
TV07	exp_in_adj	Exports intra-EU, adj.
TV08	imp	Imports
TV09	imp_adj	Imports, adj.
TV10	imp_ex	Imports extra-EU
TV11	imp_ex_adj	Imports extra-EU, adj.
TV12	imp_in	Imports intra-EU
TV13	imp_in_adj	Imports intra-EU, adj.

5. Finance Variables

Finance		
Variable Code	**Variable Name**	**Definition**
Estimates		
FC07	y_zombie_intcov_pos	Categorical: Duration of current spell as zombie

Finance		
Variable Code	**Variable Name**	**Definition**
Dummies		
FD00	absconstr	D = 1, if firm is absolutely credit constrained
FD01	safe	D = 1, if firm is financially constrained
FD02	t10_rev_C	D = 1, if firm is among Top10 revenue firms, country level
FD03	t10_rev_M	D = 1, if firm is among Top10 revenue firms, mac-sector level
FD04	t10_rev_2D	D = 1, if firm is among Top10 revenue firms, sector level
FD05	zombie_intcov_pos	D = 1, if int. payed > op. profit > 0 & no high growth for 3 years
FD06	zombie_intcov	D = 1, if int. payed > op. profits & no high growth for 3 years
FD07	zombie_negprof	D = 1, if op. profits < 0 & no high labor growth for 3 years (BoE)
FD08	t10_lc_nom_C	D = 1, if Top10 nom. labor cost firm, country level
FD09	t10_rk_C	D = 1, if firm is among Top10 real capital firms, country level

Finance		
Variable Code	**Variable Name**	**Definition**
FD10	t10_rva_C	D = 1, if firm is among Top10 real value added firms, country level
FD11	t10_ifa_M	D = 1, if Top10 intangible fixed assets, mac-sector level
FD12	t10_lc_nom_M	D = 1, if Top10 nom. labor cost firm, mac-sector level
FD13	t10_rk_M	D = 1, if firm is among Top10 real capital firms, mac-sector level
FD14	t10_rva_M	D = 1, if firm is among Top10 real value added firms, macsec level
FD15	t10_ifa_2D	D = 1, if Top10 intangible fixed assets, sector level
FD16	t10_lc_nom_2D	D = 1, if Top10 nom. labor cost firm, sector level
FD17	t10_rk_2D	D = 1, if firm is among Top10 real capital firms, sector level
FD18	t10_rva_2D	D = 1, if firm is among Top10 real value added firms, sector level
FD19	t10_ifa_C	D = 1, if Top10 intangible fixed assets, country level
Ratios		
FR00	capcost_m	Ratio: capital cost / intermediate inputs

	Finance	
Variable Code	**Variable Name**	**Definition**
FR01	cash_ta	Ratio: cash / total assets
FR02	cashflow_ta	Ratio: cash flow / total assets
FR03	collateral_ta	Ratio: nominal capital / total assets
FR04	costcov_lc_m	Cost coverage rate 1 = nrev / nlc + nm
FR05	costcov_all	Cost coverage rate 2 = nrev / nlc + nm + capcost
FR06	depr_ta	Ratio: depreciation / total assets
FR07	div_ta	Ratio: dividends / total assets
FR08	equity_debt	Ratio: equity / debt
FR09	equity_ta	Equity ratio: equity / total assets
FR10	fingap	Ratio: Financial gap: (nom. Investment (ninvest) - cashflow)/nrev
FR11	ifa_k	Ratio: nom. intangible fixed assets / nom. capital
FR12	inte_debt	Ratio: interest paid / $0.5*(debt(t-1)+debt(t))$ (implicit rate)
FR13	inv_rev	Ratio: inventories / nom. revenue
FR15	lc_capcost	Ratio: nom. labor cost / nom. capital cost

	Finance	
Variable Code	**Variable Name**	**Definition**
FR17	lc_m	Ratio: nom. labor cost / nom. intermediate inputs
FR18	leverage	Ratio: Leverage: debt (long-term & short-term) / total assets
FR19	op_inte	Ratio: operating profits / interest payments
FR20	pcm_kfix	Price cost margin without capital costs, assuming fixed k
FR21	pcm_kvar	Price cost margin incl. capital cost
FR22	profitmargin	Ratio: Operating profits / nom. Revenue
FR23	rd_costs	Ratio: nom. R&D expenditure / total costs
FR24	rd_m	Ratio: nom. R&D expenditure / nom. intermediate inputs
FR25	rev_capcost	Ratio: nom. revenue / capital costs
FR26	rev_ener	Ratio: nom. revenue / nom. energy inputs
FR27	rev_lc	Ratio: nom. revenue / nom. labor cost

	Finance	
Variable Code	**Variable Name**	**Definition**
FR28	rev_lc_m	Ratio: nom. revenue / nom. labor cost + nom. intermediate inputs
FR29	rev_m	Ratio: nom. revenue / nom. intermediate inputs
FR30	rk_l	Ratio: capital intensity: real capital / labor
FR31	roa	Ratio: return on total assets = op. profit / 0.5*(ta(t-1)+ta(t))
FR32	trade_credit	Ratio: accounts payable / total assets
FR33	trade_debt	Ratio: accounts receivable / total assets
FR34	va_ener	Ratio: nom. value-added / nom. energy inputs
FR35	va_rev	Ratio: nom. value-added / nom. revenue
FR36	ifa_rev	Share of intangible k to rev_nom
FR37	invest_k	Ratio of nominal investment to nominal capital
FR38	invest_rev	Ratio of nominal investment to nominal revenue
FR39	rd_share_rev	Ratio: nom. R&D expenditure / nominal revenue

	Finance		
Variable Code	**Variable Name**	**Definition**	
	Values		
FV14G1	rk	Growth rate (from t-1): real capital
FV14G3	rk	Growth rate (from t-3): real capital
FV31	rinvest_intan	real intangible investment
FV00	capcost	Capital cost = depr. + interest paid + imputed int. on equity
FV01	debt	Debt: Long-term and short-term debts
FV02	debt_fin	Debt: current + non-current liabilities - accounts payable
FV03	n_ener	nominal energy inputs (also abbreviated as nei)
FV04	nk	Nominal capital stock
FV04	nk	Nominal capital stock
FV05	nlc	Nominal labor costs
FV05	nlc	Nominal labor costs
FV06	nm	Nominal intermediate inputs
FV06	nm	Nominal intermediate inputs
FV07	nrd	nominal Research & Development expenditure
FV08G1	nrev	Growth rate (from t-1): nom. revenue
FV08	nrev	Nominal revenue
FV08	nrev	Nominal revenue

	Finance	
Variable Code	**Variable Name**	**Definition**
FV10	nva	nominal value-added, computed as nrev - nm
FV10	nva	nominal value-added, computed as nrev - nm
FV11	nva_pos	nominal value-added, computed as nrev - nm, only positive values
FV12	nvi	nominal variable inputs (i.e. labor & intermediate inputs)
FV13	rifa	real intangible fixed assets
FV14	rk	real capital
FV15	rlc	real labor costs
FV16	rm	real intermediate inputs
FV17	rrev	real revenue
FV18	rva	real value-added, computed as rev - m
FV19	rva_pos	real value-added, only positive values
FV20	ta	Total assets
FV21	y_zombie_intcov_pos	years designated as int. > prof. > 0 zombie (D_zombie_intcov_pos=1)
FV22	y_zombie_intcov	years designated as int > profits zombie (D_zombie_intcov=1)

Finance		
Variable Code	**Variable Name**	**Definition**
FV23	y_zombie_negprof	years designated as negative profit zombie (D_zombie_negprof = 1)
FV24	etr	Effective tax rate
FV25	invest_intan	Nominal intangible investments
FV26	ninvest	Nominal investment
FV27	lc_nom_l	Ratio of nominal labor costs to labor
FV28	rcapcost	Real capital cost
FV29	rinvest	Real investment
FV30	rrd	Real R&D expenditure

6. Other Variables

Other		
Variable Code	**Variable Name**	**Definition**
Categorical		
OC00	firm_age	`1 "0-2 years" 2 "3-5 years" 3 "6-25 years" 4 "more than 25 years"'
OC	legal	Categorical variable providing the legal form of the firm

	Other	
Variable Code	**Variable Name**	**Definition**
Dummies		
OD00	exit	D = 1, if firm exits in t or t+1
OD01	firm_age_medium	D = 1, if medium aged firm (age > 5 & <= 25)
OD02	firm_age_new	D = 1, if new firm (age < 3)
OD03	firm_age_old	D = 1, if old firm (age > 25 years)
OD04	firm_age_young	D = 1, if young firm (age >=3 & <=5)
OD05	foreign_own	D = 1, if >50% of firm is owned by foreigner(s)
OD06	d_llc	D = 1, if firm with limited liability
OD07	publ_own	D = 1, if >50% of firm is owned by government
Values		
OV00	firm_age	Age of firm in years
OV01	firm_age_atexit	Age of exiting firm, in years
OV02	years_till_exit	Amount of years until firm exit