```
> ___(R)
                                                     /__ / ___/ / __
> __/
                                                     ___/ / /___/ / /___
> _/
                                                      Statistics/Data analysis
            name: <unnamed>
             log: /Users/ads/Documents/GSC_Main_linkage.smcl
       log type: smcl
       opened on: 15 Feb 2025, 18:41:58
     1 . do "/Users/ads/Documents/macrofin_groass_exports.do"
     2 . clear all
     3.
     5 . import delimited "/Users/ads/Downloads/OECD_MACROFIN - MAIN DATA.csv"
      (encoding automatically selected: ISO-8859-1)
      (15 vars, 1,386 obs)
     6.
     7.
     8 . duplicates drop activity time_period, force
     Duplicates in terms of activity time_period
      (20 observations deleted)
     9 . encode activity, gen(activity_id)
    10 .
    11 . replace fvax_ratio = " " if fvax_ratio == "#DIV/0!"
      (63 real changes made)
    12 . destring fvax_ratio, replace
      fvax_ratio: all characters numeric; replaced as double
      (63 missing values generated)
    13 .
    14 . xtset activity_id time_period
      Panel variable: activity_id (unbalanced)
      Time variable: time_period, 2000 to 2020
              Delta: 1 unit
    15 .
```



16 . collapse (mean) exgr fva fvax_ratio prod dom_act ddc dva idc rel_price > gvad w

> ri emp lab_int, by(activity_id time_period)

17 .

18 .

19 .

st in 1/10			
time_p~d 2000	•		fva fvax_ra~o prod 84.8 .14271289 162250.4
			. —
 wri .	 	emp 27.62	lab_int .0001702
!			
time_p~d 2001 	•		fva fvax_ra~o prod 40.4 .02590574 168267.8
dom_act 166708.3	•	•	idc rel_pr~e gvad 918.7 14813.63 166955.7
 wri .	 	emp 27.52	lab_int lab_int .0001635
' 			
time_p~d 2002	activi~d A	exgr 62.8	fva fvax_ra~o prod 7.7 .12261147 160069.6
	•	•	idc rel_pr~e gvad 50.6 15604.02 160044.7
wri .		emp 28.41	lab_int .0001775
· +			·
time_p~d 2003	•		fva fvax_ra~o prod 14.4 .12698413 183554
	-		
 wri .		emp 27.98	lab_int .0001524
	time_p~d 2000 dom_act 161656.2 wri dom_act 166708.3 dom_act 160006.8 dom_act 160006.8 dom_act 160006.8 dom_act 183440.6 dom_act dom_a	time_p~d activi~d 2000 A	time_p~d activi~d exgr 2000 A 594.2 dom_act ddc dva 161656.2 237.9 509.4 wri emp . 27.62 time_p~d activi~d exgr 2001 A 1559.5 dom_act ddc dva 166708.3 1312.1 1519.1 wri emp . 27.52 time_p~d activi~d exgr 2002 A 62.8 dom_act ddc dva 160006.8 24.9 55.2 wri emp . 28.41 time_p~d activi~d exgr 2002 A 113.4 time_p~d activi~d exgr 2003 A 113.4 dom_act ddc dva 113.4



	•			
5.	time_p~d 2004	•	exgr 94.5	fva fvax_ra~o prod 6.6 .06984127 193806.1
		•	•	idc rel_pr~e gvad 99.7 11373.96 193748.7
	wri		emp 26.91	lab_int .0001388
7				
6.	time_p~d 2005	•		fva fvax_ra~o prod 13.5 .09500352 227013.8
		•		idc rel_pr~e gvad 46.6 11753.36 226922.4
	wri	 	emp 25.24	lab_int .0001112
7				
7.	time_p~d 2006	•	exgr 0	fva fvax_ra~o prod 0 . 244544.1
	 dom_act 244544.1	•	dva 0	idc rel_pr~e gvad 0 12734.88 244544.1
	wri	 	emp 26.48	lab_int .0001083
-				
8.		•		fva fvax_ra~o prod 2056.7 .12130059 303723.3
				idc rel_pr~e gvad 2876.1 9947.069 293303.6
	wri	 	emp 22.69	lab_int .0000747
-				
9.		•		fva fvax_ra~o prod 720.8 .12543505 325446.2
		•	•	idc rel_pr~e gvad 2328.6 11061.06 322112.7
	 wri	 [emp	 lab_int



		1	25.55	I	.0000785		
10.	 time_p~d	activi~d	exgr	fva	fvax_ra~o prod		
	2009 +	A 	1140.7 	69 . 2	.0606645 340551.7		
	. – .	•	•		rel_pr~e gvad		
	339411 	86/ . 8 	10/1.5 	203.5 +	14763.85 339683.9		
	wri	1	emp	ļ	lab_int		
_		 	22 . 46	ا 	.000066 		

20 .

- 21 . gen ln_exgr = ln(exgr)
 (63 missing values generated)
- 22 . gen ln_fvax_ratio = ln(fvax_ratio)
 (63 missing values generated)
- 23 . gen ln_dom_act = ln(dom_act)
 (154 missing values generated)
- 24 . gen ln_rel_price = ln(rel_price)
 (20 missing values generated)
- 25 . gen ln_gvad = ln(gvad)
 (78 missing values generated)
- 26 . gen ln_dva = ln(dva)
 (61 missing values generated)
- 27 . gen ln_emp = ln(emp)
 (206 missing values generated)
- 28 . gen ln_lab_int = ln(lab_int)
 (206 missing values generated)
- 29 . gen ln_wri = ln(wri)
 (1,056 missing values generated)

30 .

31 .

32 . tabulate activity_id, generate(sector_dummy)

ACTIVITY	<u> </u>	Freq.	Percent	Cum.
Α		 21	1.54	1.54
A01_02	1	20	1.46	3.00
A03	1	20	1.46	4.47
В	1	21	1.54	6.00



B05_06	20	1.46	7.47
B07_08	20	1.46	8.93
B09	20	1.46	10.40
C10T12	20	1.46	11.86
C13T15	20	1.46	13.32
C16	20	1.46	14.79
C16T18	21	1.54	16.33
C17_18	20	1.46	17.79
C19	20	1.46	19.25
C19T23	21	1.54	20.79
C20	20	1.46	22.25
C20_21	:	1.54	23.79
C21	20	1.46	25.26
C22	20	1.46	26.72
C23	20	1.46	28.18
C24	20	1.46	29.65
C24_25	21	1.54	31.19
C25	20	1.46	32.65
C26	20	1.46	34.11
C26_27	21	1.54	35.65
C27	20	1.46	37.12
C28	20	1.46	38.58
C29	20	1.46	40.04
C29_30	21	1.54	41.58
C30	21	1.54	43.12
C31T33	21	1.54	44.66
D	21	1.54	46.19
D_E	21	1.54	47.73
E	21	1.54	49.27
F	•	1.54	50.81
	•		
G	21	1.54	52.34
GTI	21	1.54	53.88
GTN	21	1.54	55.42
GTT	21	1.54	56.95
Н	21	1.54	58.49
H49	21	1.54	60.03
H50	21	1.54	61.57
H51	21	1.54	63.10
H52	21	1.54	64.64
H53	21	1.54	66.18
I	21	1.54	67.72
INF0	21	1.54	69.25
J	21	1.54	70.79
J58T60	21	1.54	72.33
J61	21	1.54	73.87
J62_63	21	1.54	75 . 40
JTN	21	1.54	76.94
K	21	1.54	78.48
L	21	1.54	80.01
M	:	1.54	81.55
	•	1.54	
M_N	21		83.09
N	21	1.54	84.63



0	21	1.54	86.16
0TQ	21	1.54	87.70
0TT	21	1.54	89.24
Р	21	1.54	90.78
Q	21	1.54	92.31
R	21	1.54	93.85
RTT	21	1.54	95.39
R_S	21	1.54	96.93
S	21	1.54	98.46
Т	21	1.54	100.00
	+		
Total	1,366	100.00	

33 . tabulate time_period, generate(year_dummy)

TIME_PERIOD	Freq.	Percent	Cum.
2000	 66	4.83	4.83
2001	66	4.83	9.66
2002	66	4.83	14.49
2003	66	4.83	19.33
2004	66	4.83	24.16
2005	66	4.83	28.99
2006	66	4.83	33.82
2007	66	4.83	38.65
2008	66	4.83	43.48
2009	66	4.83	48.32
2010	66	4.83	53.15
2011	66	4.83	57.98
2012	66	4.83	62.81
2013	66	4.83	67.64
2014	66	4.83	72.47
2015	66	4.83	77.31
2016	66	4.83	82.14
2017	66	4.83	86.97
2018	66	4.83	91.80
2019	66	4.83	96.63
2020	46	3.37	100.00
Total	1,366	100.00	



					F(87,	1041) =	
> 10.25					Prob >	F =	0
> .0000					R-squa	red =	0
> .4312							
> .5051					Root M	SE =	1
>							
ln eyar	 Coe		Robust	+	P> +	[95% conf.	inte
> rval]							
>	+						
ln_fvax_ra~o	.	4855717	.075275	6.45	0.000	.3378637	.63
> 32796 In dom act	l –2	2.043603	.1495182	-13.67	0.000	-2.336994	-1.7
> 50211							
<pre>ln_rel_price > 81376</pre>	١.	. 2959743	.2762974	1.07	0.284	2461891	.83
	7	7.907606	.9214374	8.58	0.000	6.099519	9.7
> 15692							
sector_du~y2	-						
sector_du~y3	•			2.00		2 245026	
sector_du~y4 > 59144	4	1.58/535	1.15/658	3.96	0.000	2.315926	6.8
sector_du~y5	3	3.244438	1.172273	2.77	0.006	.9441519	5.5
> 44725 sector_du~y6	ı _	2003084	02580/3	_0 22	a 220	-2.01714	1.6
> 16523	-	2003004	19230943	-0.22	0.029	-2.01/14	1.0
sector_du~y7	-	7351764	.9948921	-0.74	0.460	-2.687399	1.2
> 17046 sector_du~y8	I	6.71003	1.148709	5.84	0.000	4.455981	8.
> 96408							
sector_du~y9 > 94125		5.17698	.7731679	6.70	0.000	3.659835	6.6
sector_du~10		1140745	1.102669	-0.10	0.918	-2.277782	2.0
> 49633	ı	2 06212	1 21/626	2 52	0 012	.6797059	5.4
> 46534	I	3.00312	1.214030	2.32	0.012	.0797039	5.4
_	1	1.664578	1.19614	1.39	0.164	6825413	4.0
> 11698 sector_du~13	6	5.475334	1.039224	6.23	0.000	4.436122	8.5
> 14546							
sector_du~14 > 81288	8	3.453546	1.202365	7.03	0.000	6.09421	10.
sector_du~15	4	4.760483	1.122287	4.24	0.000	2.55828	6.9
> 62685	ı	5 0/176/	1 1721/19	5 07	a aaa	3.645635	Qγ
> 49644	1	J. J. 7. 04	111/3140	3.07	0.000	31043033	012



sector_du~17 > 52979	I	2.852238	1.07058	2.66	0.008	.7514965	4.9
sector_du~18 > 93826	I	3.010184	1.061866	2.83	0.005	.9265417	5.0
sector_du~19	I	3.422315	.921338	3.71	0.000	1.614424	5.2
> 30206 sector_du~20	I	5.893342	.8884814	6.63	0.000	4.149923	7.
> 63676 sector_du~21	ı	6.788092	1.069754	6.35	0.000	4.688973	8.8
> 87212 sector_du~22	1	3.699698	1.148034	3.22	0.001	1.446974	5.9
> 52422 sector_du~23	•		1.482381	0.94	0.350	-1.522509	4.
> 29508	•						
sector_du~24 > 89736	I	4.500382	1.217663	3.70	0.000	2.111027	6.8
sector_du~25 > 22626	1	2.896664	.930547	3.11	0.002	1.070703	4.7
sector_du~26 > 22962	I	4.26284	1.100842	3.87	0.000	2.102717	6.4
sector_du~27	I	4.852544	1.156663	4.20	0.000	2.582888	7.1
> 22201 sector_du~28	I	5.833539	1.218446	4.79	0.000	3.442648	8.
> 22443 sector_du~29	ı	2.229563	1.168451	1.91	0.057	0632255	4.5
> 22351 sector_du~30	1	3.231396	1.103455	2.93	0.003	1.066146	5.3
> 96646 sector_du~31	•	5.364178	1.082855	4.95	0.000	3.239351	7.4
> 89005	•						
sector_du~32 > 61492	I	5.850291	1.126873	5.19	0.000	3.639091	8.0
sector_du~33 > 38017		.3217293	1.049023	0.31	0.759	-1.736711	2.
sector_du~34 > 54506	I	8.343267	1.122076	7.44	0.000	6.141479	10.
sector_du~35	I	7.813923	1.388289	5.63	0.000	5.089759	10.
> 53809 sector_du~36	I	9.272723	1.421905	6.52	0.000	6.482596	12.
> 06285 sector_du~37	I	10.9611	1.597229	6.86	0.000	7.826946	14.
> 09526 sector_du~38	1	11.80987	1.64433	7.18	0.000	8.583294	15.
> 03645 sector_du~39	•				0.000	4.6248	9.2
> 98727	•						
sector_du~40 > 10769	•	6.280342			0.000	4.249915	8.3
sector_du~41 > 26097		-5.429934	1.428892	-3.80	0.000	-8 . 23377	-2.6
sector_du~42 > 98619		1897619	1.217167	-0.16	0.876	-2.578143	2.1



sector_du~43	I	2.442342	1.085643	2.25	0.025	.312044	4.5
> 72641 sector_du~44 > 43546	I	-2.112295	1.369171	-1.54	0.123	-4.798945	. 57
sector_du~45 > 12952	I	4.178139	1.342754	3.11	0.002	1.543326	6.8
sector_du~46 > 78926	I	7.10696	1.361688	5.22	0.000	4.434993	9.7
sector_du~47 > 91482	I	6.722817	1.360006	4.94	0.000	4.054152	9.3
sector_du~48 > 04382	I	1.16057	1.500226	0.77	0.439	-1.783242	4.1
sector_du~49 > 97214	I	3.840939	1.251768	3.07	0.002	1.384663	6.2
sector_du~50 > 41316	-		1.145275	4.36	0.000	2.746695	7.2
sector_du~51 > 20694	-			6.39	0.000	7.001226	13.
sector_du~52 > 26334	-		1.428967	4.42	0.000	3.518366	9.1
sector_du~53 > 32875	-		1.458857		0.000	3.807603	9.5
sector_du~54 > 27258	-		1.876562	0.34	0.731		4.3
sector_du~55 > 58216	-		1.580195	3.47	0.001	2.380701	8.
sector_du~56 > 21462 sector_du~57	-	4.997713 6.750443	1.337116 1.432381	3.74 4.71	0.000	2.373964 3.939759	7.6 9.5
> 61126 sector_du~58	-		1.550583	5.08	0.000	4.82856	10.
> 91381 sector_du~59	•		1.541226	5.47	0.000	5.399003	11.
> 44753 sector_du~60	-						
> 69072 sector_du~61	-			2.33			
> 31336 sector_du~62	i	-1.498382	1.390029	-1.08	0.281	-4.22596	1.2
> 29197 sector_du~63	ı	3.802065	1.299015	2.93	0.003	1.253079	6.3
> 51051 sector_du~64	I	3.692086	1.280648	2.88	0.004	1.17914	6.2
> 05031 sector_du~65	I	3.302197	1.19977	2.75	0.006	.9479542	5.
> 65644 sector_du~66	I	-4.211262	1.009762	-4.17	0.000	-6.192663	-2.2
> 29862 year_dummy1		-3.282442	.4294831	-7.64	0.000	-4.125193	-2.
> 43969 year_dummy2 > 89823	I	-3.273093	.3991705	-8.20	0.000	-4.056364	-2.4
- 03023							



year_dummy3 > 59359	I	-3.343816	.3823305	-8.75	0.000	-4.094042	-2.
year_dummy4 > 11082	I	-2.891138	.397666	-7.27	0.000	-3.671456	-2.
year_dummy5 > 60888	I	-2.380463	.3932143	-6.05	0.000	-3.152046	-1.
year_dummy6 > 38893	I	-1.785491	.3804816	-4.69	0.000	-2.532089	-1.0
year_dummy7 > 40244	I	-1.48016	.3700534	-4.00	0.000	-2.206295	- . 75
year_dummy8 > 97461	I	7254731	. 4052598	-1.79	0.074	-1.520692	.06
year_dummy9 > 40743	I	429884	.3587514	-1.20	0.231	-1.133842	. 27
year_dummy10 > 48615	I	4554676	.3365171	-1.35	0.176	-1.115797	.20
year_dummy11 > 52863	I	.1319736	.34823	0.38	0.705	5513392	.81
year_dummy12 > 54248	I	0652813	.357094	-0.18	0.855	7659874	.63
year_dummy13 > 42239	I	2218254	.2986626	-0.74	0.458	8078747	. 36
year_dummy14	ī	0	(omitted)				
year_dummy15 > 62002	•		.2896342	0.92	0.355	3004666	.83
<pre>year_dummy16 > 18162</pre>		.4719934	.2783386	1.70	0.090	0741752	1.0
<pre>year_dummy17 > 89273</pre>	I	. 5180069	.2911286	1.78	0.075	0532588	1.0
<pre>year_dummy18 > 73344</pre>	I	.9288654	.2774775	3.35	0.001	.3843865	1.4
<pre>year_dummy19 > 92312</pre>	I	.7172796	.2930482	2.45	0.015	.1422471	1.2
year_dummy20 > 42345	I	.8601275	.2967099	2.90	0.004	.2779098	1.4
year_dummy21 > 67319	I	.9462117	.3674909	2.57	0.010	.2251044	1.6
_cons		24.5493	3.14055	7.82	0.000	18.38677	30.

37 . eststo model1

38 .

39 . regress ln_dva ln_exgr ln_gvad ln_rel_price sector_dummy* year_dummy*,
> robust

note: sector_dummy2 omitted because of collinearity.
note: sector_dummy54 omitted because of collinearity.

note: year_dummy21 omitted because of collinearity.

Linear regression

Number of obs =



> 1,204				E / 0.7	4446)	4.4
> 66.91					1116) =	
> .0000				Prob >	F =	0
> .9330				R-squa	red =	0
> 52565				Root M	SE =	•
32303						
>		D.h I				
<pre>ln_dva > rval]</pre>	Coefficient	Robust std. err.			[95% conf.	inte
>	'					
ln_exgr > 53904	9432362	.0112911	83.54	0.000	.921082	.96
ln_gvad > 05759	132349	.0416765	-3.18	0.002	2141221	05
	.104421	.0588402	1.77	0.076	011029	.21
sector_du~y1	1377076	.4156812	0.33	0.740	6778971	.95
> 33123 sector_du~y2	0	(omitted)				
sector_du~y3 > 21506	4689237	.454145	-1.03	0.302	-1.359998	.42
sector_du~y4 > 03078	.1133157	.3005783	0.38	0.706	4764467	.7
sector_du~y5	.0642764	.2908433	0.22	0.825	5063849	. 63
> 49377 sector_du~y6	2125926	.3026919	-0.70	0.483	806502	.38
> 13168 sector_du~y7	2214629	.2871798	-0.77	0.441	7849361	.34
> 20102 sector_du~y8	. 2625944	.3315993	0.79	0.429	388034	.91
> 32228						
sector_du~y9 > 09474				0.975		.81
sector_du~10 > 80331	0751158	.2615315	-0.29	0.774	- . 5882648	.43
sector_du~11 > 20798	.1764116	.2781053	0.63	0.526	3692566	. 72
sector_du~12	.0639252	.2585677	0.25	0.805	4434083	. 57
> 12587 sector_du~13	.1996726	.3575662	0.56	0.577	5019052	.90
> 12504 sector_du~14	1811759	.4061877	0.45	0.656	6158017	.97
> 81536 sector du~15	.1480578	.3088169	0.48	0.632	- . 4578693	. 75
> 39849		-	-			



sector_du~16 > 23838		.3674516	.3345339	1.10	0.272	2889347	1.0
sector_du~17 > 99795		.0390304	.29099	0.13	0.893	5319187	.60
sector_du~18 > 84083		.0414641	.2940455	0.14	0.888	5354802	.61
sector_du~19	l	004456	.3304749	-0.01	0.989	6528782	.64
> 39662 sector_du~20	I	.1020096	.372144	0.27	0.784	6281712	.83
> 21904 sector_du~21	l	.4797713	.4308667	1.11	0.266	3656287	1.3
> 25171 sector_du~22		.0783934	.2830515	0.28	0.782	4769798	.63
> 37665 sector_du~23	l	.0505933	.2312331	0.22	0.827	4031072	.50
> 42938 sector_du~24	l	.2088713	.2795849	0.75	0.455	3397	.75
> 74427 sector_du~25	l	0650112	.3219666	-0.20	0.840	6967392	.56
> 67168 sector_du~26	ı	.0587765	.3006278	0.20	0.845	5310829	.64
> 86359 sector_du~27	ı	.0959465	.2971749	0.32	0.747	4871379	.6
> 79031 sector_du~28	ı	.3427571	.3120099	1.10	0.272	269435	. 95
> 49493 sector_du~29	-		.2680305	0.13	0.896	4907309	
> 56107 sector_du~30	-		.2962251	0.29	0.773		.66
> 66593	-						.79
sector_du~31 > 57174	-		.3398503	0.38	0.705		
sector_du~32 > 85296			.3509854	0.83	0.409	3988016	.97
sector_du~33 > 41959		1389376	.2846592	-0.49	0.626	- . 6974652	•
sector_du~34 > 27534		.3696875	.4372104	0.85	0.398	4881595	1.2
sector_du~35 > 49122		.0218118	.3787286	0.06	0.954	- . 7212886	.76
sector_du~36 > 86752		.2812216	.3605609	0.78	0.436	426232	.98
sector_du~37 > 24529		.3483533	.3955855	0.88	0.379	4278218	1.1
sector_du~38 > 89063	I	.6256391	.3381208	1.85	0.065	0377849	1.2
sector_du~39 > 95057	I	.1950087	.3284744	0.59	0.553	4494883	.83
sector_du~40 > 99543	I	0484821	.3559652	-0.14	0.892	7469185	.64
sector_du~41	I	3707543	.2425011	-1.53	0.127	8465638	.10
> 50551							



	sector_du~42 · 77809		1847264	.2408181	-0.77	0.443	6572337	. 28
	sector_du~43	I	0324851	.2857447	-0.11	0.910	5931424	. 52
	• 81723 sector_du~44	I	2935773	.2173027	-1.35	0.177	7199452	.13
>	· 27906 sector_du~45	1	0190879	.2784015	-0.07	0.945	5653372	. 52
>	· 71614	I	10130073	12704013	0.07	0.545	13033372	132
	sector_du~46 82955		. 2878457	. 2907355	0.99	0.322	2826041	.85
	sector_du~47		.1225491	.3351363	0.37	0.715	5350191	.78
>	· 01174 sector_du~48	1	.0775828	.2106255	0.37	0.713	3356838	. 49
>	· 08495	I	.0773020	.2100233	0.57	0.713	-13330030	•49
_	sector_du~49 · 58472		.1373944	.2795245	0.49	0.623	4110584	.68
	sector_du~50	1	.0864906	.3007598	0.29	0.774	5036278	.67
>	· 66089		2001.400	2056575	0.00	0 422	4475547	1 0
>	sector_du~51 · 65836	ļ	.3091408	.3856575	0.80	0.423	- . 4475547	1.0
	sector_du~52		.1149501	.3241999	0.35	0.723	52116	.75
>	· 10602 sector_du~53	ı	.1369067	.3475324	0.39	0.694	5449838	.81
>	87973							
	sector_du~54 sector_du~55			(omitted) .2482271	1.57	0.118	0985121	.87
>	· 55765	•			1137	0.110	10303121	107
	sector_du~56 · 56117		0060884	.3117592	-0.02	0.984	6177886	.60
	sector_du~57	I	.2826536	.2767741	1.02	0.307	2604026	.82
>	· 57099		6005206	4150040	1 64	0 102	1254757	1 4
>	sector_du~58 • 96533	ļ	.6805286	.4158848	1.64	0.102	- . 1354757	1.4
	_		.4228898	.291666	1.45	0.147	1493857	.99
>	· 51653 sector_du~60	ı	.1154621	.2763402	0.42	0.676	4267428	.65
>	· 76671	•						
>	sector_du~61 · 66696		.3389662	.2281765	1.49	0.138	1087372	. 78
	sector_du~62		.0984817	.2336807	0.42	0.674	3600214	.55
>	· 69847 sector_du~63	ı	.4208646	.4208833	1.00	0.318	404947	1.2
>	· 46676	•						
>	sector_du~64 - 50517		.2109011	. 2824284	0.75	0.455	3432494	.76
	sector_du~65		.1038561	.2723521	0.38	0.703	4305238	.6
>	· 38236 sector_du~66	ı	3856464	.2792202	_1 . 38	0 168	933502	.16
>	22092							
_	year_dummy1 32829		- . 5653587	.4577704	-1.24	0.217	-1.463546	.3
	year_dummy2	1	5864976	.452631	-1.30	0.195	-1.474601	.30



> 16061							
year_dummy3	Ι	5902364	.4504478	-1.31	0.190	-1.474056	.29
> 35835		F.C.2.C.4.2.0	4542225	4 25	0 242	1 440005	22
year_dummy4 > 16992	ı	- . 5636429	.4512235	-1.25	0.212	-1.448985	.32
year_dummy5	I	5392246	4500489	-1.20	0.231	-1.422262	.34
> 38128 year_dummy6	,	5204114	. 4486305	-1.16	0.246	-1.400666	.35
> 98429	ı	3204114	• 4400303	-1.10	0.240	-1.400000	. 33
year_dummy7		5141088	.4468297	-1.15	0.250	-1.39083	.36
> 26122 year_dummy8	ı	4620462	.4471857	-1.03	0.302	-1.339466	.41
> 53732	ı	1.020.02	11172007	1.03	0.302	11333.00	•
year_dummy9 > 69626	I	4827027	.4432337	-1.09	0.276	-1.352368	.38
> 09020 year_dummy10	ı	5058409	.4361238	-1.16	0.246	-1.361556	.34
> 98741	•						
<pre>year_dummy11 > 87124</pre>	ı	- . 4368312	.4360364	-1.00	0.317	-1.292375	.41
year_dummy12	I	4628601	.4316351	-1.07	0.284	-1.309768	.38
> 40477		5467769	.4265621	-1.28	0.200	-1.383731	.29
<pre>year_dummy13 > 01773</pre>	I	3407709	4203021	-1.20	0.200	-1.303/31	.29
year_dummy14	1	5320592	.4224837	-1.26	0.208	-1.361011	.29
> 68928 year_dummy15	ı	511425	.4191447	-1.22	0.223	-1.333825	.31
> 09755	ı	1311123	11131117	1122	0.223	11333023	
<pre>year_dummy16 > 29281</pre>	I	4843984	.4146999	-1.17	0.243	-1.298078	.3
year_dummy17	ı	4813664	.4159221	-1.16	0.247	-1.297444	.33
> 47111							
<pre>year_dummy18 > 18514</pre>	ı	4549144	.416273	-1.09	0.275	-1.27168	.36
		4575788	.4143172	-1.10	0.270	-1.270507	.35
> 53496		4751567	4122446	1 15	0.240	1 20/215	22
year_dummy20 > 39014	I	4/3130/	4123440	-1.13	0.249	-1.284215	.33
year_dummy21	-		(omitted)				<u> </u>
_cons > 13888	l	1.264111	.7388935	1.71	0.087	1856662	2.7

40 . eststo model2

41 .

```
42 . regress ln_emp ln_dva ln_lab_int sector_dummy* year_dummy*, robust note: sector_dummy33 omitted because of collinearity. note: sector_dummy34 omitted because of collinearity. note: sector_dummy46 omitted because of collinearity. note: sector_dummy57 omitted because of collinearity. note: sector_dummy59 omitted because of collinearity.
```



note: year_dummy19 omitted because of collinearity.
note: year_dummy20 omitted because of collinearity.
note: year_dummy21 omitted because of collinearity.

Linear regression > 1,109							of obs =	
> 80.20						F(81,	1027) =	68
						Prob >	F =	0
> .0000						R-squa	red =	0
> .9970								
> 11138						Root M	SE =	•
>				Robust				
	ln_emp				t	P> t	[95% conf.	inte
> rval] 		+-						
>			0001033	0047705	0.44	0.014	0025552	•
> 03282	ln_dva	l	0001922	.001//05	-0.11	0.914	0036663	.0
> 71955	<pre>ln_lab_int</pre>		.7921355	.017867	44.34	0.000	.7570755	.82
se	ector_du~y1	l	1.05704	.0869315	12.16	0.000	.886456	1.2
> 27623 se	ector du~y2	ı	.6070492	.0478096	12.70	0.000	.5132335	.7
> 00865		•						4
> 63788	ector_du~y3	l	-1.802703	.0839957	-21.46	0.000	-1.967526	-1.
se > 65158	ector_du~y4	l	1739996	.1123773	-1.55	0.122	394515	.04
se	ector_du~y5	l	-1.075759	.0772907	-13.92	0.000	-1.227424	92
> 40929 se	ector_du~y6	ı	-1.497118	.1307909	-11.45	0.000	-1.753766	-1.
> 24047			2 020221	1144261	17 65	0 000	-2.244877	1 7
> 95766		•				0.000	-2.2440//	-1.7
se > 65993	ector_du~y8		. 7501876	.1153822	6.50	0.000	. 5237758	.97
se	ector_du~y9	l	.3283259	.1115374	2.94	0.003	.1094587	.54
> 71931 se	ector_du~10	ı	-1.607451	.1445891	-11.12	0.000	-1.891175	-1.3
> 23728	actor dua.11		6276533	1212002	_1 79	0 000	8854735	36
> 98331		•						
se > 75396	ector_du~12		-1.183521	.1151631	-10.28	0.000	-1.409503	- . 95
se	ector_du~13	l	1.177613	.1544141	7.63	0.000	.87461	1.4
> 80617								



sector_du~14 > 47995	I	1.446857	.1025021	14.12	0.000	1.24572	1.6
sector_du~15	I	.1968952	.1264328	1.56	0.120	0512008	.44
> 49913 sector_du~16	I	.2680329	.1043003	2.57	0.010	.0633668	. 47
> 26989 sector_du~17	I	4107012	.1477705	-2.78	0.006	7006678	12
> 07346 sector_du~18	1	475507	.1398838	-3.40	0.001	- . 7499977	20
> 10163 sector_du~19	•				0.000		
> 60469	•						
sector_du~20 > 90182	I	.50/5/64	.10//533	4./1	0.000	.2961345	./1
sector_du~21 > 17151	I	.8784677	.1216359	7.22	0.000	.6397844	1.1
sector_du~22 > 22576	I	6450543	.1135399	-5.68	0.000	8678509	42
sector_du~23	I	7808967	.1675027	-4.66	0.000	-1.109583	
> 45221 sector_du~24	I	1549677	.1293445	-1.20	0.231	4087773	.09
> 88419 sector_du~25	ı	4061448	.1460029	-2.78	0.006	6926428	11
> 96468 sector_du~26	1	0808887	.1384543	-0.58	0.559	3525744	.1
> 90797	•						
sector_du~27 > 28901	•				0.850		
sector_du~28 > 75867	I	- . 8966755	.0352085	-25 . 47	0.000	9657644	- . 82
sector_du~29 > 30835	I	7694283	.1510209	-5.09	0.000	-1.065773	47
sector_du~30	I	4715204	.1403022	-3.36	0.001	7468321	19
> 62087 sector_du~31	I	7454643	.0538392	-13.85	0.000	8511118	63
> 98168 sector_du~32	ı	.1336425	.1005464	1.33	0.184	0636574	.33
> 09424		0	(ami++ad)				
sector_du~33	•		(omitted)				
sector_du~34	•					05.44074	_
sector_du~35 > 21792	l	.3879645	.0682001	5.69	0.000	.2541371	.5
sector_du~36 > 48115	I	1.027979	.0612232	16.79	0.000	.9078419	1.1
sector_du~37	I	1.63041	.0513954	31.72	0.000	1.529558	1.7
> 31262 sector_du~38	ı	2.110293	.065431	32.25	0.000	1.9819	2.2
> 38687							
sector_du~39 > 90267	I	.7658993	.1137085	6.74	0.000	.5427718	.98
sector_du~40 > 34322	I	.0146564	.075818	0.19	0.847	1341195	.16
~ J4J44							



sector_du~41 > 32962	I	-2.473101	.1733393	-14.27	0.000	-2.813241	-2.1
sector_du~42 > 05803	I	-1.277315	.1767004	-7.23	0.000	-1.62405	93
sector_du~43		-1.082423	.1177042	-9.20	0.000	-1.313391	85
> 14545 sector_du~44	I	-3.062775	.0852779	-35.92	0.000	-3.230114	-2.8
> 95436 sector_du~45	I	3882289	.1244481	-3.12	0.002	6324305	14
> 40274							
sector_du~46			(omitted)	2.46	0 001	1525040	
sector_du~47 > 59572	l	.354//6	.1025244	3.46	0.001	.1535948	.55
sector_du~48	ı	-1.212712	.1657575	-7.32	0.000	-1.537974	88
> 74498	ı	11212/12	11037373	, 132	0.000	11337371	.00
sector_du~49	1	6944566	.102402	-6.78	0.000	8953977	49
> 35155							
sector_du~50 > 49837	l	.1274297	.1414449	0.90	0.368	1501243	.40
> 49637 sector_du~51	ı	1 555118	.09869	15.76	0.000	1.361461	1.7
> 48775	ı	1.333110	.03003	13.70	0.000	11501401	1.7
sector_du~52	ı	0228272	.0797552	-0.29	0.775	179329	.13
> 36746							
sector_du~53		.038239	.0729351	0.52	0.600	1048799	.18
> 13579		1 550600	1652126	0 42	0 000	1 00260	-1.2
sector_du~54 > 34298	ı	-1.558689	.1653136	-9.43	0.000	-1.88308	-1.2
sector_du~55	ı	9149052	.0628779	-14.55	0.000	-1.038289	79
> 15213	•						-
sector_du~56		371708	.1112992	-3.34	0.001	5901078	15
> 33082		_					
sector_du~57			(omitted)	2.05	0 000	0.424.606	24
sector_du~58 > 42035	l	.1286865	.0435805	2.95	0.003	.0431696	.21
sector_du~59	ı	0	(omitted)				
sector_du~60				-22.52	0.000	-1.175811	98
> 73497	•						
sector_du~61		-1.499546	.0632113	-23.72	0.000	-1.623584	-1.3
> 75508							_
sector_du~62 > 95215		-2.204917	.1288131	-17.12	0.000	-2.457683	-1.
sector_du~63	ı	_1_034226	.0682815	-15.15	0.000	-1.168213	90
> 02385	ı	11054220	10002013	13113	01000	11100213	130
sector_du~64		6817374	.1002879	-6.80	0.000	87853	48
> 49449							
sector_du~65		-1.388502	.0602268	-23.05	0.000	-1.506684	-1.2
> 70321		2 20704	1170545	20 01	0 000	2 620200	2
sector_du~66 > 16638	I	-3.39/64	.1179545	-28.81	0.000	-3.629299	-3 .
year_dummy1	ı	-1.346656	.0366068	-36.79	0.000	-1.418489	-1.2
> 74824	•			-			
year_dummy2		-1.32743	.0351861	-37.73	0.000	-1.396475	-1.2



```
> 58385
       year_dummy3 \mid -1.266934 .034006
                                             -37.26
                                                      0.000
                                                               -1.333663
                                                                           -1.2
> 00205
                                             -35.15
                                                               -1.207314
                                                                           -1.0
       year_dummy4 \mid -1.143485
                                  .0325283
                                                      0.000
> 79656
       year_dummy5 | -.9764262
                                   .032104
                                             -30.41
                                                      0.000
                                                               -1.039423
                                                                          -.91
> 34292
       year_dummy6 | -.8337135
                                  .0288689
                                             -28.88
                                                      0.000
                                                               -.8903622
                                                                           -.77
> 70648
                                             -23.71
                                                      0.000
                                                               -.7689242
       year_dummy7 | -.7101613
                                  .0299463
                                                                           -.65
> 13984
       year_dummy8 | -.5437117
                                             -20.27
                                                               -.5963478
                                                                          -.49
                                   .026824
                                                      0.000
> 10755
       year_dummy9 | -.4683993
                                  .0261954
                                             -17.88
                                                      0.000
                                                               -.5198018
                                                                           -.41
> 69967
      year_dummy10 | -.4189687
                                             -15.64
                                                      0.000
                                                               -.4715387
                                  .0267903
                                                                           -.36
> 63987
      year_dummy11 | -.254693
                                  .0246604
                                             -10.33
                                                      0.000
                                                               -.3030836
                                                                           -.20
> 63024
      year_dummy12 | -.2559555
                                  .0252563
                                             -10.13
                                                      0.000
                                                               -.3055153
                                                                           -.20
> 63956
      year_dummy13 | -.2716464
                                  .0247073
                                             -10.99
                                                      0.000
                                                                -.320129
                                                                          -.22
> 31638
      year_dummy14 | -.2518481
                                  .0246917
                                             -10.20
                                                      0.000
                                                                  -.3003
                                                                           -.20
> 33962
      year_dummy15 | -.2069766
                                  .0261222
                                              -7.92
                                                      0.000
                                                               -.2582356
                                                                           -.15
> 57176
                                                      0.000
                                                               -.2461633
     year_dummy16 | -.1914094
                                  .0279032
                                              -6.86
                                                                           -.13
> 66555
                                                      0.000
      year_dummy17 | -.1508166
                                  .0295404
                                              -5.11
                                                                -.208783
                                                                           -.09
> 28502
      year_dummy18 | -.0672381
                                              -2.28
                                                      0.023
                                                               -.1251176
                                  .0294961
                                                                           -.00
> 93586
      year_dummy19 |
                             0
                                 (omitted)
      year_dummy20 |
                                 (omitted)
                             0
      year_dummy21 |
                             0 (omitted)
                                                                9.651744
            _cons |
                       10.14437
                                  .2510476
                                              40.41
                                                      0.000
                                                                            10.
> 63699
    43 . eststo model3
    44 .
    45 .
    46 .
    47 . esttab model1 model2 model3 using "regression_results.tex", ///
            replace label b(3) se(3) star(* 0.1 ** 0.05 *** 0.01) ///
            title("Regression Results") ///
     >
      >
            varwidth(20) nogaps ///
            keep(ln_fvax_ratio ln_dom_act ln_rel_price ln_exgr ln_gvad ln_dva l
> n_lab_
```

```
> int) ///
> stats(N r2, labels("Observations" "R-squared")) ///
> addnote("Sector and year dummies are included but not reported.")
(output written to regression_results.tex)

48 .
49 .
50 .
end of do-file

51 . log close
    name: <unnamed>
        log: /Users/ads/Documents/GSC_Main_linkage.smcl
    log type: smcl
    closed on: 15 Feb 2025, 18:42:06
```

