





Human capital An underexplored issue is that of human capital accumulation and portability in temporary jobs Its existence is crucial in assessing the viability of an external career and hence the mere possibility of acquiring employment security







Occupation
 However, occupation is observed only at a very aggregate level (blue/white collars) we thus <i>approximate it through 2-digit sector</i>
 In order for sector to be a good approximation of occupation we restrict the analysis to blue collars of manufacturing and building sectors

Sample selection

- In order for these workers to be a very homogeneous group and minimize unobserved heterogeneity we further select workers:
 - entering the labor market in the period 1998 2002
 - with either a *full-time open-ended contract or a full-time direct-hire temporary* one
 - aged 19-25 at entry
 - at their *first involuntary unemployment spell* (i.e. lasting more than one month)
 - after a unique employment relationship





Covariates
• The covariates aim at controlling for individual, firm and labor market conditions at entry and for the total amount of actual experience accumulated before separation:
 matrix X: gender, age at entry, wage at entry matrix Z: sector, firm size
 matrix W: local youth unemployment rate, geo. area, entry year experience: duration of the (unique) preceding work
 relationship We thus argue that conditional on X, Z, W and
experience a worker is hired (and dismissed) under a temporary or a permanent arrangement randomly



		Res	ults				
In the base	line specif	ication:					
Exit to a different sector	RRR	Robust s	Robust s.e.			P>z	
D	1.3794	0.27367 1.62			0.105		
unemploym	nent	RRR	Dahar				
			Robus	st SE	z	$\mathbf{P} > \mathbf{z} $	
	ded contracts		Robus				
2 to 4 mo	onths	5		Сое	efficient not	rmalized to 1	
2 to 4 mo 5 to 7 mo	onths onths	0.8256		Coe 0.22283	efficient not -0.71	rmalized to 1 0.478	
2 to 4 mo 5 to 7 mo 8 to 10 m	onths onths onths	0.8256 0.5304		Coe 0.22283 0.14271	efficient not -0.71 -2.36	rmalized to 1 0.478 0.018	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r	onths onths onths months	0.8256 0.5304 0.5956		Coe 0.22283 0.14271 0.17726	efficient not -0.71 -2.36 -1.74	rmalized to 1 0.478 0.018 0.082	
2 to 4 mo 5 to 7 mo 8 to 10 m	onths onths onths months	0.8256 0.5304		Coe 0.22283 0.14271	efficient not -0.71 -2.36	rmalized to 1 0.478 0.018 0.082	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r 15 to 18 r	onths onths onths months	0.8256 0.5304 0.5956 0.8502		Coe 0.22283 0.14271 0.17726	efficient not -0.71 -2.36 -1.74	rmalized to 1 0.478 0.018 0.082	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r 15 to 18 r	onths onths onths months months ary contracts	0.8256 0.5304 0.5956 0.8502		Coe 0.22283 0.14271 0.17726	efficient not -0.71 -2.36 -1.74	rmalized to 1 0.478 0.018 0.082 0.611	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r 15 to 18 r Tempor a	nths nths nonths months ary contracts nths	0.8256 0.5304 0.5956 0.8502		Coe 0.22283 0.14271 0.17726 0.27095	efficient noi -0.71 -2.36 -1.74 -0.51	rmalized to 1 0.478 0.018 0.082 0.611 2 0.026	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r 15 to 18 r Tempor a 2 to 4 mo	nths nths nonths months months ary contracts nths nths	0.8256 0.5304 0.5956 0.8502 2.2368		Coe 0.22283 0.14271 0.17726 0.27095 0.80983	efficient noi -0.71 -2.36 -1.74 -0.51 2.22	rmalized to 1 0.478 0.018 0.082 0.611 0.026 0.026	
2 to 4 mo 5 to 7 mo 8 to 10 m 11 to 14 r 15 to 18 r Tempora 2 to 4 mo 5 to 7 mo	onths onths onths months months ary contracts onths onths onths	0.8256 0.5304 0.5956 0.8502 2.2368 1.3487		Coe 0.22283 0.14271 0.17726 0.27095 0.80983 0.52185	<i>efficient not</i> -0.71 -2.36 -1.74 -0.51 2.22 0.77	rmalized to 1 0.478 0.018 0.082 0.611 0.026 0.026	

		Result	C			
	•	icsuit	3			
Prob > chi2	0	Number of obs	14276			
Pseudo R2	0.0354	Wald chi2(66)	292.25			
Log pseudolikelihood	-3609.3334					
Exit to another sector	RRR	Robust SE	z	P > z	95% Conf	. Interval
Female	1.0153	0.22913	0.07	0.946	0.6523	1.580
Age at entry	1.0574	0.04343	1.36	0.174	0.9756	1.146
Wage at entry (hundreds of €)	0.9839	0.02132	-0.75	0.453	0.9430	1.026
Builiding sector	0.4179	0.07993	-4.56	0.000	0.2873	0.608
Firm size at entry	1.0000	0.00002	-0.73	0.466	0.9999	1.000
Youth unemployment rate	1.0926	0.04892	1.98	0.048	1.0008	1.192
Youth unemployment rate ^2	0.9984	0.00064	-2.56	0.011	0.9971	0.999
North East	1.0102	0.27404	0.04	0.970	0.5936	1.719
Center	0.8439	0.22078	-0.65	0.517	0.5054	1.409
South and main isles	0.7364	0.34276	-0.66	0.511	0.2958	1.833
Entry in 1999	1.3562	0.32400	1.28	0.202	0.8491	2.166
Entry in 2000	0.9186	0.23197	-0.34	0.737	0.5600	1.506
Entry in 2001	0.8925	0.25353	-0.40	0.689	0.5115	1.557
Entry in 2002	1.0756	0.32661	0.24	0.810	0.5932	1.950
Actual experience	0.8523	0.05416	-2.51	0.012	0.7525	0.965
Actual experience ^2	1.0121	0.00447	2.73	0.006	1.0034	1.020
Actual experience ^3	0.9998	0.00009	-2.71	0.007	0.9996	0.999
5 to 7 months	0.7510	0.17018	-1.26	0.206	0.4817	1.170
8 to 10 months	0.4153	0.09023	-4.04	0.000	0.2712	0.635
11 to 14 months	0.5423	0.13398	-2.48	0.013	0.3341	0.880
15 to 18 months	0.6574	0.17959	-1.54	0.125	0.3849	1.123
Dummy for temporary	1.3794	0.27367	1.62	0.105	0.9350	2.035

Robustness check

• The effect disappears in sectors and for occupations with more horizontal skills (white collars in services)

	RRR	Robust SE	z	P > z			
Open-ended contrac	ts						
2 to 4 months		Coefficient normalized to					
5 to 7 months	0.6313	0.31578	-0.92	0.358			
8 to 10 months	0.5275	0.27536	-1.23	0.220			
11 to 14 months	0.5092	0.27927	-1.23	0.218			
15 to 18 months	0.8018	0.67284	-0.26	0.792			
Temporary contract	s						
2 to 4 months	0.7728	0.36779	-0.54	0.588			
5 to 7 months	0.5736	0.28005	-1.14	0.255			
8 to 10 months	0.2756	0.13743	-2.58	0.010			
11 to 14 months	0.5843	0.32868	-0.96	0.339			
15 to 18 months	2.1983	2.25889	0.77	0.443			



