

Firms' Investment & Capacity Utilisation

The Role of Financial Constraints and Uncertainty

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Online Appendix

A Further Analysis - Regression Tables

A.1 Baseline Mechanism With Low Uncertainty and No Financial Constraints

	Dependent Variable			
	Inv Rate		Spike	
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.002 (0.004)		0.009 (0.005)	
$\mathcal{O}_{i,t}$		0.072 (0.109)		0.241* (0.114)
$\pi_{i,t-1}$	0.272* (0.122)	0.271* (0.122)	0.175 (0.130)	0.172 (0.130)
$L_{i,t-1}^G$	0.780 (0.487)	0.785 (0.486)	0.498 (0.459)	0.492 (0.459)
Constant	2.910*** (0.099)	2.870*** (0.115)		
Estimation Method	OLS	OLS	Clogit	Clogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	2,920	2,920	-	-
Observations	11,546	11,546	3,308	3,308

Table A.1: Regression Results For excluding low uncertainty and no financial constraint firms

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

A.2 Intensity Regressions

	Dependent Variable	
	Inv Rate	Spike
$(CU_{i,t} - CU_{s,\tau}^\psi)$	-0.007 (0.005)	0.002 (0.004)
$\mathcal{O}_{i,t}$	0.267* (0.125)	0.022 (0.094)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times \mathcal{O}_{i,t}$	0.012 (0.010)	0.007 (0.007)
$\pi_{i,t-1}$	0.299** (0.103)	0.268*** (0.079)
$L_{i,t-1}^G$	0.618 (0.383)	0.501 (0.266)
Constant	2.753*** (0.111)	
Estimation Method	OLS	Clogit
Time FE	✓	✓
Firm FE	✓	✓
Firms	3,575	
Observations	23,954	8,815

Table A.2: Regression Results with Intensity

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$	0.282*	0.281*	0.417**	0.407**
	(0.124)	(0.124)	(0.141)	(0.140)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	-0.005	-0.004	-0.004	-0.004
	(0.006)	(0.006)	(0.005)	(0.005)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times \mathcal{O}_{i,t}$	0.010	0.009	0.009	0.009
	(0.010)	(0.010)	(0.010)	(0.010)

$FC_{i,t}$	-0.570**	-0.510*	-0.618*	-0.495
	(0.211)	(0.206)	(0.262)	(0.257)
$U_{s,t}$	0.018*	0.018*	0.033***	0.030**
	(0.007)	(0.007)	(0.010)	(0.009)
$\mathcal{O}_{i,t} \times FC_{i,t}$			0.093	-0.085
			(0.327)	(0.320)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.013	0.005		
	(0.010)	(0.010)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.031*	-0.026*
			(0.013)	(0.013)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	0.001	0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.022	-0.028	-0.029	-0.024
	(0.024)	(0.023)	(0.024)	(0.023)

$\pi_{i,t-1}$	0.292**	0.300**	0.291**	0.299**
	(0.103)	(0.103)	(0.103)	(0.103)
$L_{i,t-1}^G$	0.628	0.650	0.625	0.644
	(0.380)	(0.379)	(0.380)	(0.379)
$U_{s,t-1}$	0.034***	0.034***	0.034***	0.033***
	(0.007)	(0.007)	(0.007)	(0.007)
Constant	2.551***	2.548***	2.485***	2.486***
	(0.124)	(0.123)	(0.129)	(0.128)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575	3,575	3,575
Observations	23,951	23,951	23,951	23,951

Table A.3: Regression Results considering Intensity Effect

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$	0.033 (0.095)	0.033 (0.095)	0.116 (0.106)	0.124 (0.104)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.004 (0.004)	0.004 (0.004)	0.002 (0.004)	0.003 (0.004)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times \mathcal{O}_{i,t}$	0.006 (0.007)	0.006 (0.007)	0.007 (0.007)	0.006 (0.007)
$FC_{i,t}$	-0.481** (0.165)	-0.355* (0.165)	-0.409 (0.219)	-0.186 (0.201)
$U_{s,t}$	0.012* (0.005)	0.012** (0.005)	0.022** (0.008)	0.019** (0.007)

$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.062 (0.276)	-0.388 (0.263)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.003 (0.009)	-0.004 (0.008)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.017 (0.010)	-0.015 (0.009)
$(CU_{s,\tau}^\psi) \times U_{s,t}$	0.001 (0.001)	0.001 (0.001)		
$U_{s,t} \times FC_{i,t}$	0.004 (0.014)	0.001 (0.016)	-0.005 (0.015)	0.006 (0.016)

$\pi_{i,t-1}$	0.258** (0.079)	0.266*** (0.079)	0.258** (0.079)	0.265** * (0.079)
$L_{i,t-1}^G$	0.505 (0.266)	0.519 (0.266)	0.492 (0.267)	0.516 (0.266)
$U_{s,t-1}$	0.011** (0.004)	0.011* (0.004)	0.011** (0.004)	0.011* (0.004)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	8,813	8,813	8,813	8,813

Table A.4: Regression Results considering Intensity Effect

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

B Robustness Checks - Regression Tables

B.1 Realised Values for Investments

	Dependent Variable			
	Realised Inv Rate		Realised Spike	
$(CU_{i,t} - CU_{s,\tau}^\psi)$	-0.003 (0.004)		0.007** (0.002)	
$\mathcal{O}_{i,t}$		0.127 (0.102)		0.183** (0.068)
$\pi_{i,t-1}$	0.003 (0.114)	-0.023 (0.114)	-0.084 (0.076)	-0.079 (0.076)
$L_{i,t-1}^G$	2.987*** (0.421)	2.940*** (0.421)	1.489*** (0.264)	1.489*** (0.264)
Constant	3.308*** (0.090)	3.250*** (0.103)		
Estimation Method	OLS	OLS	Clogit	Clogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575		
Observations	24,170	24,170	8,833	8,833

Table B.1: Regression Results using Realised investments

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Realised Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.252*	0.216
			(0.126)	(0.125)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.001	-0.002		
	(0.004)	(0.004)		
$FC_{i,t}$	-0.409	-0.672**	-0.112	-0.588*
	(0.231)	(0.223)	(0.286)	(0.278)
$U_{s,t}$	-0.005	-0.005	0.004	0.002
	(0.008)	(0.008)	(0.011)	(0.010)

$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.500	-0.206
			(0.357)	(0.346)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.010	0.011		
	(0.010)	(0.011)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.017	-0.014
			(0.015)	(0.015)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.012	-0.022	-0.016	-0.020
	(0.026)	(0.025)	(0.026)	(0.025)

$\pi_{i,t-1}$	-0.003	-0.015	-0.022	-0.033
	(0.112)	(0.111)	(0.111)	(0.111)
$L_{i,t-1}^G$	2.960***	2.940***	2.915***	2.909** *
	(0.412)	(0.412)	(0.412)	(0.412)
$U_{s,t-1}$	0.020**	0.020**	0.021**	0.020**
	(0.007)	(0.007)	(0.007)	(0.007)
Constant	3.254***	3.290***	3.120***	3.174***
	(0.105)	(0.105)	(0.126)	(0.124)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575	3,575	3,575
Observations	24,166	24,166	24,166	24,166

Table B.2: Regression Results with Realised investment rates

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Realised Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.206*	0.191*
			(0.082)	(0.082)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.008**	0.007*		
	(0.003)	(0.003)		
$FC_{i,t}$	0.012	-0.556***	0.061	-0.560**
	(0.212)	(0.163)	(0.250)	(0.206)
$U_{s,t}$	0.010*	0.008	0.011	0.009
	(0.005)	(0.005)	(0.007)	(0.006)

$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.087	0.008
			(0.254)	(0.265)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.005	0.006		
	(0.008)	(0.009)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.002	-0.001
			(0.008)	(0.008)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.036	0.002	-0.036	0.002
	(0.037)	(0.015)	(0.036)	(0.015)

$\pi_{i,t-1}$	-0.083	-0.092	-0.078	-0.086
	(0.076)	(0.076)	(0.076)	(0.076)
$L_{i,t-1}^G$	1.505***	1.507***	1.503***	1.511** *
	(0.264)	(0.264)	(0.265)	(0.265)
$U_{s,t-1}$	0.011**	0.011**	0.012**	0.011**
	(0.004)	(0.004)	(0.004)	(0.004)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	8,830	8,830	8,830	8,830

Table B.3: Regression Results with Realised Spike

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

B.2 Alternative Investment Rate & Capacity Utilisation

B.2.1 Using More Lags to Normalise Investments

	Dependent Variable			
	Inv Rate ^M		Spike ^M	
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.004 (0.003)		0.008** (0.002)	
$\mathcal{O}_{i,t}$		0.303** (0.097)		0.204** (0.068)
$\pi_{i,t-1}$	0.355*** (0.107)	0.336** (0.107)	0.322*** (0.078)	0.327** * (0.077)
$L_{i,t}^G$	1.204** (0.398)	1.171** (0.398)	0.902*** (0.258)	0.901** * (0.258)
Constant	2.915*** (0.085)	2.755*** (0.098)		
Estimation Method	OLS	OLS	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575		
Observations	23,956	23,956	9,057	9,057

Table B.4: Regression Results using more lags for investment rates
 *** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Investment Rate ^M				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.395***	0.403***
			(0.118)	(0.118)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.005	0.006		
	(0.004)	(0.004)		
$FC_{i,t}$	-0.656**	-0.562**	-0.657*	-0.505
	(0.216)	(0.210)	(0.268)	(0.263)
$U_{s,t}$	-0.008	-0.007	0.004	0.003
	(0.007)	(0.007)	(0.010)	(0.010)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.029	-0.115
			(0.334)	(0.327)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.009	0.002		
	(0.010)	(0.010)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.023	-0.020
			(0.014)	(0.014)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.001	-0.015	-0.007	-0.013
	(0.024)	(0.024)	(0.024)	(0.024)

$\pi_{i,t-1}$	0.325**	0.333**	0.309**	0.318**
	(0.105)	(0.105)	(0.105)	(0.105)
$L_{i,t-1}^G$	1.103**	1.124**	1.077**	1.097**
	(0.389)	(0.389)	(0.388)	(0.388)
$U_{s,t-1}$	-0.000	-0.001	0.000	-0.000
	(0.007)	(0.007)	(0.007)	(0.007)
Constant	3.013***	3.000***	2.794***	2.779***
	(0.099)	(0.099)	(0.118)	(0.117)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575	3,575	3,575
Observations	23,951	23,951	23,951	23,951

Table B.5: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike ^M				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.253**	0.251**
			(0.084)	(0.083)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.009**	0.009**		
	(0.003)	(0.003)		
$FC_{i,t}$	-0.337	-0.425**	-0.282	-0.327
	(0.178)	(0.164)	(0.227)	(0.204)
$U_{s,t}$	0.003	0.001	0.009	0.005
	(0.005)	(0.005)	(0.008)	(0.007)

$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.075	-0.200
			(0.268)	(0.258)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.002	-0.002		
	(0.009)	(0.009)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.010	-0.008
			(0.010)	(0.009)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.012	0.012	-0.016	0.015
	(0.023)	(0.016)	(0.022)	(0.017)

$\pi_{i,t-1}$	0.310***	0.313***	0.316***	0.319** *
	(0.078)	(0.078)	(0.078)	(0.078)
$L_{i,t-1}^G$	0.889***	0.900***	0.880***	0.898** *
	(0.259)	(0.258)	(0.259)	(0.258)
$U_{s,t-1}$	0.001	0.001	0.001	0.001
	(0.004)	(0.004)	(0.004)	(0.004)
	(0.004)	(0.006)	(0.005)	(0.007)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	9,053	9,053	9,053	9,053

Table B.6: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

B.2.2 Normalising with labour

	Dependent Variable			
	Inv Rate ^L		Spike ^L	
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.007*** (0.001)		0.006* (0.003)	
$\mathcal{O}_{i,t}$		0.172*** (0.016)		0.205* (0.080)
$\pi_{i,t-1}$	0.243*** (0.018)	0.247*** (0.018)	0.696*** (0.097)	0.694** * (0.096)
$L_{i,t-1}^G$	0.273*** (0.067)	0.284*** (0.067)	0.522 (0.328)	0.512 (0.328)
Constant	6.107*** (0.014)	6.009*** (0.016)		
Estimation Method	OLS	OLS	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,461	3,461		
Observations	22,701	22,701	6,803	6,803

Table B.7: Regression Results with normalisation by labour

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Investment Rate ^L				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.170*** (0.020)	0.178*** (0.020)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.007*** (0.001)	0.007*** (0.001)		
$FC_{i,t}$	-0.228*** (0.038)	-0.249*** (0.037)	-0.275*** (0.048)	-0.222*** (0.047)
$U_{s,t}$	-0.005*** (0.001)	-0.005*** (0.001)	-0.003 (0.002)	-0.004* (0.002)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.083 (0.058)	-0.047 (0.057)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.004* (0.002)	-0.001 (0.002)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.003 (0.002)	-0.002 (0.002)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001 (0.001)	-0.001 (0.001)		
$U_{s,t} \times FC_{i,t}$	-0.002 (0.004)	0.004	-0.003 (0.004)	0.004

$\pi_{i,t-1}$	0.231*** (0.018)	0.233*** (0.018)	0.235*** (0.018)	0.238*** (0.018)
$L_{i,t-1}^G$	0.257*** (0.067)	0.260*** (0.067)	0.266*** (0.067)	0.271*** (0.067)
$U_{s,t-1}$	-0.001 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.001 (0.001)
Constant	6.156*** (0.017)	6.155*** (0.017)	6.059*** (0.020)	6.054*** (0.020)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,461	3,461	3,461	3,461
Observations	22,697	22,697	22,697	22,697

Table B.8: Regression Results with normalisation by labour

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike ^L				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.267**	0.293**
			(0.095)	(0.094)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.007*	0.008*		
	(0.003)	(0.003)		
$FC_{i,t}$	-0.059	-0.640**	-0.009	-0.164
	(0.303)	(0.212)	(0.361)	(0.259)
$U_{s,t}$	-0.006	-0.007	0.002	-0.001
	(0.005)	(0.005)	(0.008)	(0.007)

$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.094	-0.995**
			(0.333)	(0.346)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.002	-0.023*		
	(0.011)	(0.011)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.015	-0.014
			(0.010)	(0.010)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.072	0.009	-0.072	0.017
	(0.063)	(0.024)	(0.063)	(0.026)

$\pi_{i,t-1}$	0.680***	0.681***	0.679***	0.680** *
	(0.097)	(0.097)	(0.097)	(0.097)
$L_{i,t-1}^G$	0.495	0.525	0.477	0.512
	(0.329)	(0.331)	(0.330)	(0.331)
$U_{s,t-1}$	0.001	0.000	0.001	-0.000
	(0.005)	(0.005)	(0.005)	(0.005)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	6,799	6,799	6,799	6,799

Table B.9: Regression Results with normalisation by labour

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

B.2.3 Alternative Capacity Target

	Dependent Variable			
	Inv Rate		Spike	
$(CU_{i,t} - CU_{i,\tau}^\psi)$	0.003 (0.003)		0.004 (0.003)	
$\mathcal{O}_{i,t}^{\text{alt}}$		0.074 (0.078)		0.098 (0.057)
$\pi_{i,t-1}$	0.312** (0.103)	0.312** (0.103)	0.274*** (0.079)	0.275** * (0.079)
$L_{i,t-1}^G$	0.636 (0.383)	0.641 (0.383)	0.515 (0.266)	0.509 (0.266)
Constant	2.962*** (0.082)	2.920*** (0.089)		
Estimation Method	OLS	OLS	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575	3,575	3,575
Observations	23,954	23,954	23,954	23,954

Table B.10: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}^{\text{alt}}$			0.174	0.169
			(0.101)	(0.101)
$(CU_{i,t} - CU_{i,\tau}^{\psi})$	0.010*	0.010*		
	(0.005)	(0.005)		
$FC_{i,t}$	-0.542*	-0.540**	-0.774**	-0.637*
	(0.212)	(0.206)	(0.260)	(0.257)
$U_{s,t}$	0.017*	0.016*	0.028**	0.024**
	(0.007)	(0.007)	(0.010)	(0.009)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.363	0.167
			(0.315)	(0.312)
$FC_{i,t} \times (CU_{i,t} - CU_{i,\tau}^{\psi})$	0.015	0.004		
	(0.012)	(0.013)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.023	-0.017
			(0.013)	(0.013)
$(CU_{i,t} - CU_{i,\tau}^{\psi}) \times U_{s,t}$	-0.001	-0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.029	-0.023	-0.025	-0.022
	(0.024)	(0.023)	(0.024)	(0.024)

$\pi_{i,t-1}$	0.302**	0.310**	0.305**	0.313**
	(0.103)	(0.103)	(0.103)	(0.103)
$\mathbb{L}_{i,t-1}^G$	0.630	0.658	0.662	0.680
	(0.380)	(0.379)	(0.379)	(0.379)
$U_{s,t-1}$	0.034***	0.033***	0.034***	0.033***
	(0.007)	(0.007)	(0.007)	(0.007)
Constant	2.765***	2.762***	2.676***	2.672***
	(0.097)	(0.096)	(0.109)	(0.108)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,575	3,575	3,575	3,575
Observations	23,951	23,951	23,951	23,951

Table B.11: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}^{\text{alt}}$			0.141 (0.072)	0.139 (0.071)
$(CU_{i,t} - CU_{i,\tau}^{\psi})$	0.006 (0.003)	0.007* (0.003)		
$FC_{i,t}$	-0.462** (0.165)	-0.354* (0.164)	-0.486* (0.223)	-0.359 (0.210)
$U_{s,t}$	0.012* (0.005)	0.012** (0.004)	0.016* (0.007)	0.015* (0.006)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.032 (0.268)	0.002 (0.259)
$FC_{i,t} \times (CU_{i,t} - CU_{i,\tau}^{\psi})$	0.002 (0.011)	-0.004 (0.011)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.008 (0.009)	-0.007 (0.008)
$(CU_{i,t} - CU_{i,\tau}^{\psi}) \times U_{s,t}$	-0.001 (0.001)	-0.001 (0.001)		
$U_{s,t} \times FC_{i,t}$	0.001 (0.014)	0.001 (0.016)	0.001 (0.014)	0.002 (0.016)

$\pi_{i,t-1}$	0.262*** (0.079)	0.271*** (0.079)	0.263*** (0.079)	0.271** * (0.079)
$L_{i,t-1}^G$	0.513 (0.266)	0.527* (0.266)	0.508 (0.267)	0.521 (0.266)
$U_{s,t-1}$	0.011** (0.004)	0.011** (0.004)	0.011** (0.004)	0.011** (0.004)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	8,813	8,813	8,813	8,813

Table B.12: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

B.3 Alternative Uncertainty Measures

B.3.1 Forecast Error

Dependent Variable: Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.451***	0.482***
			(0.103)	(0.103)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.008*	0.009**		
	(0.004)	(0.004)		
$FC_{i,t}$	-0.612**	-0.526**	-0.671*	-0.362
	(0.208)	(0.201)	(0.264)	(0.264)
$FCE_{i,t}$	19.424***	25.683***	54.175***	66.861***
	(2.337)	(4.300)	(2.324)	(4.356)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.237	-0.022
			(0.344)	(0.334)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.015	0.002		
	(0.010)	(0.010)		
$\mathcal{O}_{i,t} \times FCE_{i,t}$			-35.429***	-36.731***
			(3.554)	(3.567)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times FCE_{i,t}$	-0.637***	-0.632***		
	(0.047)	(0.047)		
$FCE_{i,t} \times FC_{i,t}$	1.178	-21.164	-9.573	-42.525***
	(14.083)	(12.295)	(14.082)	(12.353)

$\pi_{i,t-1}$	0.276*	0.276*	0.279**	0.277*
	(0.108)	(0.108)	(0.108)	(0.108)
$L_{i,t-1}^G$	0.378	0.393	0.401	0.403
	(0.395)	(0.394)	(0.395)	(0.395)
$FCE_{i,t-1}$	11.492***	11.558***	11.142***	11.276***
	(2.176)	(2.175)	(2.180)	(2.179)
Constant	2.797***	2.793***	2.449***	2.431***
	(0.090)	(0.090)	(0.105)	(0.104)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,093	3,093	3,093	3,093
Observations	20,008	20,008	20,008	20,008

Table B.13: Regression Results using FCE instead of U as uncertainty proxy
*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.191*	0.214*
			(0.095)	(0.095)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.010**	0.010**		
	(0.003)	(0.003)		
$FC_{i,t}$	-0.365	-0.299	-0.441	-0.127
	(0.195)	(0.196)	(0.257)	(0.242)
$FCE_{i,t}$	15.028***	15.619***	19.243***	19.208***
	(4.392)	(4.465)	(5.041)	(5.018)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.143	-0.327
			(0.301)	(0.288)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.002	-0.002		
	(0.010)	(0.010)		
$\mathcal{O}_{i,t} \times FCE_{i,t}$			-6.362	-5.081
			(7.628)	(7.737)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times FCE_{i,t}$	-0.234	-0.218		
	(0.184)	(0.186)		
$FCE_{i,t} \times FC_{i,t}$	-8.002	-14.029	-8.215	-14.710
	(14.961)	(15.978)	(14.737)	(16.200)

$\pi_{i,t-1}$	0.219*	0.224*	0.232**	0.236**
	(0.088)	(0.088)	(0.087)	(0.087)
$L_{i,t-1}^G$	0.367	0.374	0.379	0.390
	(0.290)	(0.290)	(0.289)	(0.289)
$FCE_{i,t-1}$	1.058	1.083	0.891	0.910
	(1.238)	(1.245)	(1.260)	(1.266)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	7,150	7,150	7,150	7,150

Table B.14: Regression Results using FCE instead of OU as uncertainty proxy
*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

B.3.2 Subjective Uncertainty

Dependent Variable: Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.364 (0.334)	0.389 (0.335)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.001 (0.009)	0.002 (0.009)		
$FC_{i,t}$	0.111 (0.711)	-0.493 (0.537)	-0.034 (0.728)	-0.391 (0.576)
$SU_{i,t}$	0.000 (0.064)	0.009 (0.093)	0.075 (0.096)	0.066 (0.113)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.414 (0.369)	-0.297 (0.374)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.013 (0.011)	-0.015 (0.011)		
$\mathcal{O}_{i,t} \times SU_{i,t}$			-0.130 (0.121)	-0.121 (0.121)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times SU_{i,t}$	0.001 (0.003)	0.002 (0.003)		
$SU_{i,t} \times FC_{i,t}$	-0.233 (0.256)	-0.028 (0.183)	-0.269 (0.256)	-0.003 (0.184)

$\pi_{i,t-1}$	0.419*** (0.118)	0.423*** (0.118)	0.431*** (0.118)	0.434** * (0.118)
$\mathbb{L}_{i,t-1}^G$	1.238** (0.472)	1.271** (0.471)	1.258** (0.471)	1.301** (0.471)
$SU_{i,t-1}$	0.000 (0.064)	0.001 (0.066)	0.075 (0.096)	0.065 (0.095)
Constant	2.942*** (0.226)	2.928*** (0.229)	2.727*** (0.303)	2.714*** (0.301)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	2,220	2,220	2,220	2,220
Observations	8,888	8,888	8,888	8,888

Table B.15: Regression Results using subjective uncertainty

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.635 (0.408)	0.680 (0.411)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.003 (0.013)	0.004 (0.013)		
$FC_{i,t}$	0.718 (1.100)	-0.477 (0.954)	0.861 (1.122)	0.330 (1.018)
$SU_{i,t}$	-0.007 (0.075)	-0.017 (0.075)	0.181 (0.123)	0.175 (0.126)

$\mathcal{O}_{i,t} \times FC_{i,t}$			0.043 (0.444)	-0.616 (0.454)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.001 (0.015)	-0.017 (0.014)		
$\mathcal{O}_{i,t} \times SU_{i,t}$			-0.281 (0.149)	-0.283 (0.151)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times SU_{s,t}$	-0.003 (0.005)	-0.003 (0.005)		
$SU_{i,t} \times FC_{i,t}$	-0.397 (0.419)	0.064 (0.340)	-0.452 (0.425)	-0.121 (0.350)

$\pi_{i,t-1}$	0.497*** (0.140)	0.494*** (0.141)	0.496*** (0.140)	0.492** * (0.140)
$L_{i,t-1}^G$	0.612 (0.548)	0.627 (0.550)	0.631 (0.547)	0.642 (0.550)
$SU_{i,t-1}$	0.001 (0.073) (0.004)	-0.002 (0.073) (0.006)	-0.002 (0.074) (0.005)	-0.007 (0.074) (0.007)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	2,497	2,497	2,49781	2,497

Table B.16: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval,
* Significant with 90% Confidence Interval

B.4 Including Large Dummy

	Dependent Variable			
	Inv Rate		Spike	
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.011 (0.007)		0.008 (0.005)	
$\mathcal{O}_{i,t}$		0.322 (0.205)		0.123 (0.150)
Large	0.358 (0.200)	0.420 (0.233)	0.301* (0.134)	0.295 (0.166)
Large $\times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.009 (0.008)		-0.003 (0.006)	
Large $\times \mathcal{O}_{i,t}$		-0.093 (0.227)		0.016 (0.166)
$\pi_{i,t-1}$	0.312** (0.104)	0.297** (0.104)	0.255** (0.079)	0.259** (0.079)
$L_{i,t}^G$	0.621 (0.386)	0.589 (0.386)	0.487 (0.269)	0.478 (0.269)
Constant	2.678*** (0.177)	2.496*** (0.206)		
Estimation Method	OLS	OLS	Clogit	Clogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,568	3,568	3,568	3,568
Observations	23,753	23,753	23,753	23,753

Table B.17: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Investment Rate				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.485*	0.476*
			(0.215)	(0.214)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.012	0.013		
	(0.007)	(0.007)		
$FC_{i,t}$	-0.253	-0.853*	-0.251	-0.793*
	(0.365)	(0.360)	(0.400)	(0.395)
$U_{s,t}$	0.013	0.013	0.033	0.029
	(0.017)	(0.017)	(0.019)	(0.019)
Large	0.367	0.290	0.441	0.357
	(0.217)	(0.217)	(0.251)	(0.251)

Large $\times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.008	-0.008		
	(0.008)	(0.008)		
Large $\times \mathcal{O}_{i,t}$			-0.071	-0.065
			(0.225)	(0.225)
Large $\times FC_{i,t}$	-0.458	0.454	-0.443	0.443
	(0.397)	(0.392)	(0.397)	(0.392)
Large $\times U_{s,t}$	0.005	0.005	0.000	0.001
	(0.018)	(0.018)	(0.018)	(0.018)
$\mathcal{O}_{i,t} \times FC_{i,t}$			0.026	-0.109
			(0.329)	(0.322)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	0.009	0.004		
	(0.010)	(0.010)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.032*	-0.026
			(0.014)	(0.014)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	0.001	0.001		
	(0.001)	(0.001)		
$U_{s,t} \times FC_{i,t}$	-0.023	-0.028	-0.031	-0.025
	(0.024)	(0.023)	(0.024)	(0.023)

$\pi_{i,t-1}$	0.304**	0.315**	0.291**	0.303**
	(0.103)	(0.103)	(0.103)	(0.103)
$L_{i,t-1}^G$	0.632	0.652	0.603	0.624
	(0.382)	(0.382)	(0.382)	(0.382)
$U_{s,t-1}$	0.034***	0.033***	0.034***	0.034***
	(0.007)	(0.007)	(0.007)	(0.007)
Constant	2.473***	2.522***	2.176***	2.234***
	(0.199)	(0.199)	(0.232)	(0.230)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	OLS	OLS	OLS	OLS
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Firms	3,568	3,568	3,568	3,568
Observations	23,750	23,750	23,750	23,750

Table B.18: Regression Results controlling for Large Firms

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

Dependent Variable: Probability of Spike				
	(1)	(2)	(3)	(4)
$\mathcal{O}_{i,t}$			0.230 (0.159)	0.101 (0.136)
$(CU_{i,t} - CU_{s,\tau}^\psi)$	0.010 (0.005)	0.010 (0.005)		
$FC_{i,t}$	-0.289 (0.270)	-0.847** (0.314)	-0.185 (0.313)	-0.711* (0.313)
$U_{s,t}$	0.017 (0.011)	0.016 (0.011)	0.029* (0.013)	0.021 (0.012)
Large	0.338* (0.145)	0.275 (0.146)	0.350* (0.176)	

Large $\times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.004 (0.006)	-0.004 (0.006)		
Large $\times \mathcal{O}_{i,t}$			0.004 (0.167)	0.165 (0.136)
Large $\times FC_{i,t}$	-0.276 (0.314)	0.699* (0.334)	-0.268 (0.313)	0.745* (0.329)
Large $\times U_{s,t}$	-0.005 (0.012)	-0.003 (0.012)	-0.007 (0.012)	0.001 (0.011)
$\mathcal{O}_{i,t} \times FC_{i,t}$			-0.120 (0.281)	-0.361 (0.264)
$FC_{i,t} \times (CU_{i,t} - CU_{s,\tau}^\psi)$	-0.004 (0.009)	-0.002 (0.009)		
$\mathcal{O}_{i,t} \times U_{s,t}$			-0.017 (0.010)	-0.013 (0.009)
$(CU_{i,t} - CU_{s,\tau}^\psi) \times U_{s,t}$	-0.001 (0.001)	-0.001 (0.001)		
$U_{s,t} \times FC_{i,t}$	0.001 (0.014)	-0.002 (0.016)	-0.009 (0.015)	0.002 (0.016)

$\pi_{i,t-1}$	0.247** (0.080)	0.258** (0.080)	0.251** (0.080)	0.262** * (0.080)
$L_{i,t-1}^G$	0.489 (0.269)	0.501 (0.269)	0.463 (0.269)	0.507 (0.268)
$U_{s,t-1}$	0.011** (0.004)	0.011** (0.004)	0.011** (0.004)	0.011** (0.004)
Instrument for $FC_{i,t}$	-	$FC_{i,t-1}$	-	$FC_{i,t-1}$
Estimation Method	CLogit	CLogit	CLogit	CLogit
Time FE	✓	✓	✓	✓
Firm FE	✓	✓	✓	✓
Observations	8,876	8,876	8,876	8,876

Table B.19: Regression Results

*** Significant with 99% Confidence Interval, ** Significant with 95% Confidence Interval, * Significant with 90% Confidence Interval

C Size Heterogeneity Tables

Table C.1: IV regression results for $CU_{i,t} - CU_{s,\tau}^\psi$ and $\mathcal{O}_{i,t}$ by firm group (Three Size Groups)

Firm Type	CU variable	Coefficient (SE)	N
Dependent Variable: Investment Spike (\mathcal{S})			
Large ($L > 250$)	$CU_{i,t} - CU_{s,\tau}^\psi$	0.008 (0.006)	2410
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	-0.010 (0.017)	2410
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	-0.000 (0.001)	2410
	$\mathcal{O}_{i,t}$	0.429** (0.154)	2410
	$\mathcal{O}_{i,t} \times FC_{i,t}$	-0.729 (0.532)	2410
	$\mathcal{O}_{i,t} \times U_{s,t}$	-0.014 (0.015)	2410
Medium ($100 < L < 250$)	$CU_{i,t} - CU_{s,\tau}^\psi$	0.011 (0.006)	3002
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	-0.013 (0.014)	3002
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	-0.001* (0.001)	3002
	$\mathcal{O}_{i,t}$	0.233 (0.154)	3002
	$\mathcal{O}_{i,t} \times FC_{i,t}$	-0.871 (0.520)	3002
	$\mathcal{O}_{i,t} \times U_{s,t}$	-0.030 (0.018)	3002
Small ($L < 100$)	$CU_{i,t} - CU_{s,\tau}^\psi$	0.012* (0.005)	3041
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	-0.001 (0.013)	3041
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	-0.001 (0.000)	3041
	$\mathcal{O}_{i,t}$	0.166 (0.134)	3041
	$\mathcal{O}_{i,t} \times FC_{i,t}$	0.107 (0.389)	3041
	$\mathcal{O}_{i,t} \times U_{s,t}$	-0.017 (0.013)	3041

Standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.2: IV regression results for $CU_{i,t} - CU_{s,\tau}^\psi$ and $\mathcal{O}_{i,t}$ by firm group (Three Size Groups)

Firm Type	CU variable	Coefficient (SE)	Firms	N
Dependent Variable: Investment Rate ($\frac{I_t}{Y_t}$)				
Large ($L > 250$)	$CU_{i,t} - CU_{s,\tau}^\psi$	-0.011 (0.008)	1091	7803
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	0.004 (0.021)	1091	7803
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	-0.001 (0.001)	1091	7803
	$\mathcal{O}_{i,t}$	0.458* (0.227)	1091	7803
	$\mathcal{O}_{i,t} \times FC_{i,t}$	-0.319 (0.718)	1091	7803
	$\mathcal{O}_{i,t} \times U_{s,t}$	-0.046 (0.025)	1091	7803
Medium ($100 < L < 250$)	$CU_{i,t} - CU_{s,\tau}^\psi$	0.019** (0.006)	1643	8663
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	-0.012 (0.015)	1643	8663
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	-0.002** (0.001)	1643	8663
	$\mathcal{O}_{i,t}$	0.600** (0.186)	1643	8663
	$\mathcal{O}_{i,t} \times FC_{i,t}$	-0.034 (0.497)	1643	8663
	$\mathcal{O}_{i,t} \times U_{s,t}$	-0.076*** (0.023)	1643	8663
Small ($L < 100$)	$CU_{i,t} - CU_{s,\tau}^\psi$	0.006 (0.006)	1772	8727
	$CU_{i,t} - CU_{s,\tau}^\psi \times FC_{i,t}$	0.007 (0.015)	1772	8727
	$CU_{i,t} - CU_{s,\tau}^\psi \times U_{s,t}$	0.000 (0.001)	1772	8727
	$\mathcal{O}_{i,t}$	0.146 (0.181)	1772	8727
	$\mathcal{O}_{i,t} \times FC_{i,t}$	0.246 (0.469)	1772	8727
	$\mathcal{O}_{i,t} \times U_{s,t}$	0.002 (0.022)	1772	8727

Standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.