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Article

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Online-Appendix zu

„Environmental Context and Team Structure“

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Appendix

Table 4: Appendix 1: Results of OLS Regression - Effects on Vertical Hierarchy

VARIABLES	hierarchy levels		
	(1)	(2)	(3)
new_subgenre	-0.581*** (0.0166)	-0.269*** (0.0134)	-0.297*** (0.0135)
subgenre_entry	-0.0944*** (0.00443)	0.122*** (0.00484)	0.121*** (0.00484)
developer_density_sub	-0.00111** (0.000562)	0.00171*** (0.000450)	0.000975** (0.000453)
herfindahl_index_sub	-0.481*** (0.0122)	-0.202*** (0.00989)	-0.336*** (0.0135)
herf_leader_sub			0.119*** (0.00820)
ln_team_size		0.692*** (0.00246)	0.687*** (0.00248)
developer_experience_sub		-0.0356*** (0.00102)	-0.0372*** (0.00102)
team_experience_sub		0.0566*** (0.00275)	0.0565*** (0.00275)
single_multiplayer		-0.0123*** (0.00372)	-0.0120*** (0.00372)
hierarchy_levels_lag		0.282*** (0.00146)	0.281*** (0.00146)
dev_first_game		0.744*** (0.00668)	0.747*** (0.00668)
Constant	3.806*** (0.00960)	-0.765*** (0.0146)	-0.700*** (0.0153)
Observations	325,722	325,722	325,722
R-squared	0.020	0.374	0.375

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table 5: Appendix 2: Results of OLS Regression - Effects on Job Specification

VARIABLES	specialization		
	(1)	(2)	(3)
new_subgenre	0.0192*** (0.00174)	-0.00828*** (0.00154)	-0.0118*** (0.00155)
subgenre_entry	0.0461*** (0.000464)	0.0159*** (0.000557)	0.0157*** (0.000557)
developer_density_sub	0.000669*** (5.88e-05)	0.000358*** (5.18e-05)	0.000266*** (5.21e-05)
herfindahl_index_sub	0.00565*** (0.00128)	-5.00e-05 (0.00114)	-0.0169*** (0.00156)
herf_leader_sub			0.0150*** (0.000944)
ln_team_size		-0.0670*** (0.000272)	-0.0676*** (0.000274)
developer_experience_sub		-0.00237*** (0.000117)	-0.00257*** (0.000118)
team_experience_sub		0.00815*** (0.000310)	0.00812*** (0.000309)
single_multiplayer		-0.0168*** (0.000429)	-0.0168*** (0.000428)
specialization_lag		0.177*** (0.00136)	0.178*** (0.00136)
dev_first_game		0.103*** (0.000985)	0.104*** (0.000986)
Constant	0.526*** (0.00100)	0.786*** (0.00196)	0.794*** (0.00202)
Observations	325,722	325,722	325,722
R-squared	0.031	0.252	0.253

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 6: Appendix 3: Results of Ordered Logit - Effects on Vertical Hierarchy

VARIABLES	hierarchy levels		
	(1)	(2)	(3)
new_subgenre	-0.748*** (0.0223)	-0.463*** (0.0243)	-0.522*** (0.0246)
subgenre_entry	-0.119*** (0.00636)	0.171*** (0.00902)	0.169*** (0.00902)
developer_density_sub	0.00732*** (0.000841)	0.0143*** (0.000843)	0.0128*** (0.000849)
herfindahl_index_sub	-0.662*** (0.0177)	-0.324*** (0.0184)	-0.592*** (0.0251)
herf_leader_sub			0.238*** (0.0151)
ln_team_size		1.298*** (0.00515)	1.289*** (0.00518)
developer_experience_sub		-0.0781*** (0.00191)	-0.0812*** (0.00192)
team_experience_sub		0.0768*** (0.00522)	0.0758*** (0.00523)
single_multiplayer		-0.0212*** (0.00698)	-0.0217*** (0.00698)
hierarchy_levels_lag		0.548*** (0.00296)	0.548*** (0.00296)
dev_first_game		1.517*** (0.0130)	1.523*** (0.0130)
/cut1	-4.305*** (0.0189)	3.180*** (0.0302)	3.048*** (0.0313)
/cut2	-2.856*** (0.0153)	4.848*** (0.0288)	4.716*** (0.0300)
/cut3	-1.712*** (0.0144)	6.294*** (0.0293)	6.161*** (0.0305)
/cut4	-0.592*** (0.0140)	7.822*** (0.0303)	7.688*** (0.0315)
/cut5	0.764*** (0.0141)	9.654*** (0.0318)	9.522*** (0.0329)
Observations	325,722	325,722	325,722

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table 7: Appendix 4: Results of OLS Regression - Effects on Job Specification (alternative operationalisation)

VARIABLES		spec lev	
	(1)	(2)	(3)
new_subgenre	-0.0490*** (0.00199)	-0.0351*** (0.00189)	-0.0355*** (0.00191)
subgenre_entry	0.00582*** (0.000532)	0.0102*** (0.000686)	0.0102*** (0.000686)
developer_density_sub	-0.000447*** (6.74e-05)	-0.000110* (6.38e-05)	-0.000120* (6.42e-05)
herfindahl_index_sub	-0.0243*** (0.00147)	-0.00426*** (0.00140)	-0.00611*** (0.00192)
herf_leader_sub			0.00164 (0.00116)
ln_team_size		0.0332*** (0.000335)	0.0331*** (0.000338)
developer_experience_sub		-0.00502*** (0.000145)	-0.00505*** (0.000145)
team_experience_sub		0.0146*** (0.000386)	0.0146*** (0.000386)
single_multiplayer		0.00389*** (0.000528)	0.00390*** (0.000528)
spec_lev_lag		0.197*** (0.00141)	0.197*** (0.00141)
dev_first_game		0.122*** (0.00117)	0.122*** (0.00117)
Constant	0.720*** (0.00115)	0.403*** (0.00218)	0.404*** (0.00227)
Observations	325,722	325,722	325,722
R-squared	0.004	0.115	0.115

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 8: Appendix 5: Results of OLS Regression - Effects on Vertical Hierarchy (Industry Level)

VARIABLES	hierarchy levels		
	(1)	(2)	(3)
new_industry	0.186 (0.221)	0.167 (0.179)	0.129 (0.179)
industry_entry	-0.216*** (0.00597)	0.953*** (0.00679)	0.947*** (0.00679)
developer_density_ind	0.0132*** (8.38e-05)	0.000148* (7.89e-05)	8.11e-05 (7.89e-05)
herfindahl_index_ind	3.414*** (0.157)	-2.818*** (0.130)	-2.647*** (0.130)
herf_leader_ind			-6.755*** (0.244)
ln_team_size		0.649*** (0.00254)	0.651*** (0.00254)
developer_experience_ind		-0.00364*** (7.90e-05)	-0.00333*** (7.97e-05)
team_experience_ind		0.0666*** (0.000679)	0.0660*** (0.000678)
single_multiplayer		-0.0383*** (0.00357)	-0.0327*** (0.00357)
hierarchy_levels_lag		0.289*** (0.00154)	0.287*** (0.00154)
Constant	1.294*** (0.0174)	-0.761*** (0.0168)	-0.759*** (0.0168)
Observations	325,722	325,722	325,722
R-squared	0.088	0.402	0.403

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 9: Appendix 6: Results of OLS Regression - Effects on Job Specification (Industry Level)

VARIABLES	specialization		
	(1)	(2)	(3)
new_industry	-0.0369 (0.0240)	-0.0174 (0.0203)	-0.0241 (0.0203)
industry_entry	0.0462*** (0.000650)	0.167*** (0.00111)	0.165*** (0.00111)
developer_density_ind	-0.000424*** (9.12e-06)	3.81e-05*** (8.97e-06)	2.75e-05*** (8.95e-06)
herfindahl_index_ind	0.0257 (0.0171)	0.0340** (0.0148)	0.0634*** (0.0148)
herf_leader_ind			-1.110*** (0.0278)
ln_team_size		-0.0707*** (0.000281)	-0.0707*** (0.000280)
developer_experience_ind		-0.000189*** (9.02e-06)	-0.000140*** (9.09e-06)
team_experience_ind		0.00901*** (7.50e-05)	0.00890*** (7.49e-05)
single_multiplayer		-0.0180*** (0.000406)	-0.0171*** (0.000405)
specialization_lag		0.244*** (0.00155)	0.241*** (0.00155)
Constant	0.619*** (0.00189)	0.733*** (0.00221)	0.735*** (0.00221)
Observations	325,722	325,722	325,722
R-squared	0.028	0.303	0.307

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 10: Appendix 7: Results of OLS Regression - Effects on Vertical Hierarchy and Job Specification (Genre Level)

VARIABLES	hierarchy levels		specialization	
	(1)	(2)	(3)	(4)
new_genre	-1.857*** (0.117)	-0.847*** (0.0937)	0.0332*** (0.0124)	-0.0527*** (0.0107)
genre_entry	-0.299*** (0.00497)	0.206*** (0.00551)	0.0525*** (0.000527)	0.0339*** (0.000625)
dev_density_genre	0.00491*** (5.30e-05)	9.08e-05* (5.06e-05)	8.04e-06 (5.63e-06)	-6.57e-05*** (5.74e-06)
ln_team_size		0.679*** (0.00246)		-0.0699*** (0.000270)
dev_exp_genre		-0.00941*** (0.000141)		-0.000800*** (1.61e-05)
team_exp_genre		0.0908*** (0.00108)		0.0133*** (0.000120)
single_multiplayer		-0.0149*** (0.00364)		-0.0157*** (0.000415)
hierarchy_levels_lag		0.266*** (0.00147)		
dev_first_game		0.607*** (0.00718)		0.0881*** (0.00101)
specializations_lag				0.177*** (0.00135)
Constant	3.215*** (0.00504)	-0.875*** (0.0124)	0.545*** (0.000535)	0.785*** (0.00174)
Observations	325,680	325,680	325,680	325,680
R-squared	0.045	0.389	0.031	0.286

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 11: Appendix 8: Results of OLS Regression - Effects on Vertical Hierarchy (Inclusion of Job Specification)

VARIABLES	hierarchy levels		
	(1)	(2)	(3)
new_subgenre	-0.606*** (0.0165)	-0.234*** (0.0120)	-0.254*** (0.0121)
subgenre_entry	-0.154*** (0.00446)	0.0611*** (0.00435)	0.0603*** (0.00435)
developer_density_sub	-0.00198*** (0.000557)	0.000132 (0.000404)	-0.000363 (0.000407)
herfindahl_index_sub	-0.489*** (0.0121)	-0.208*** (0.00888)	-0.299*** (0.0121)
herf_leader_sub			0.0801*** (0.00736)
specialization	1.297*** (0.0166)	3.807*** (0.0136)	3.805*** (0.0136)
ln_team_size		1.005*** (0.00247)	1.002*** (0.00249)
developer_experience_sub		-0.0288*** (0.000915)	-0.0298*** (0.000920)
team_experience_sub		0.0515*** (0.00247)	0.0514*** (0.00247)
single_multiplayer		0.0613*** (0.00335)	0.0614*** (0.00335)
hierarchy_levels_lag		0.211*** (0.00134)	0.211*** (0.00134)
dev_first_game		0.540*** (0.00604)	0.542*** (0.00604)
Constant	3.123*** (0.0129)	-4.225*** (0.0180)	-4.179*** (0.0185)
Observations	325,722	325,722	325,722
R-squared	0.038	0.496	0.496

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1