

*Agricultural and Food Economics* appendix for “Does the future of a farm depend on its neighbourhood ?  
Evidence on intra-family succession among fruit and vegetables farms in Italy”

July 2018

The material contained herein is supplementary to the article named in the title and submitted to  
*Agricultural and Food Economics* (AFE)

Annex 1 -Robustness Check across different specifications <sup>1,2</sup>

	Farm and farmer variables; No labour market and surrounding condition (LMSC) variables			Farm and farmer variables; LMSC variables in linear form	Farm and farmer variables; LMSC variables in non-linear form		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7
Farmer age	0.0099	-0.1240	0.0121	0.0118	0.0124	0.0116	-0.1481 *
Farmer age_sq	-	0.0011	-	-	-	-	0.0013 *
Farmer degree	<b>-0.9124 ***</b>	<b>-0.8303 ***</b>	<b>-0.9126 ***</b>	<b>-0.9698 ***</b>	<b>-0.9708 ***</b>	<b>-1.0063 ***</b>	<b>-0.8957 ***</b>
Farmer children	0.1190	0.0556	0.0372	0.0920	0.1239 *	0.1391 **	0.1379 **
Turnover_250	-0.374 **	-0.3265 *	-0.3030 *	-0.3309 *	-0.3486 **	-0.3422 *	-0.3785 **
Farm duration	<b>0.0100 ***</b>	<b>0.0100 ***</b>	<b>0.0116 ***</b>	<b>0.0108 ***</b>	<b>0.0109 ***</b>	<b>0.0107 ***</b>	<b>0.0100 ***</b>
RPFV farm	<b>0.8203 **</b>	<b>0.6697 **</b>	<b>0.8196 **</b>	0.4348	<b>0.9513 ***</b>	<b>0.9665 ***</b>	<b>0.8985 ***</b>
Fruit farm	<b>-1.2764 ***</b>	<b>-1.3736 ***</b>	<b>-1.3773 ***</b>	<b>-1.2117 **</b>	<b>-1.1457 **</b>	<b>-1.1327 **</b>	<b>-1.1348 **</b>
Emplwork	<b>-0.007 *</b>	<b>-0.0096 **</b>	<b>-0.0108 ***</b>	<b>-0.0113 **</b>	<b>-0.0107 **</b>	<b>-0.0104 **</b>	<b>-0.0104 *</b>
Workdays	0.0002	<b>0.0008 ***</b>	<b>0.0007 **</b>	<b>0.0006 **</b>	<b>0.0006 **</b>	<b>0.0007 **</b>	<b>0.0007 **</b>
Workdays_sq	-	<b>0.0000**</b>	<b>0.0000 **</b>	<b>0.0000*</b>	<b>0.0000 *</b>	<b>0.0000 **</b>	<b>0.0000 **</b>
Distance	0.0001	-0.0001	0.0080 **	-0.0004	0.0036	-0.0006 ***	-0.0008 ***
Distance_sq	-	-	0.0000 **	-	0.0000	-	-
Popdens	-	-	-	0.0000	-0.0036 ***	-0.0038 ***	-0.0036 ***
Popdens_sq	-	-	-	-	0.0000 ***	0.0000 ***	0.0000 ***
Empl	-	-	-	0.0164	2.3788 **	2.3384 **	2.7195 ***
Empl_sq	-	-	-	-	-0.0211 **	-0.0211 **	-0.025 ***
Agrshare	-	-	-	-11.2887 ***	-3.6224	-5.6309 *	-4.8662
Incgap	-	-	-	0.1382 ***	-1.4266 **	-1.3579 **	-1.3349 ***
Incgap_sq	-	-	-	-	0.0352 **	0.0340 ***	0.0335 ***
Hills	0.8377	0.7486	0.7892	<b>1.9286 ***</b>	<b>2.1387 ***</b>	<b>2.2488 ***</b>	<b>2.3695 ***</b>
Mountain	1.1368 **	1.3484 ***	1.4278 ***	-1.1795	-11.122 ***	-11.0988 ***	-10.8799 ***
Campania	0.3890	0.3718	0.6311 *	1.0965	7.171 ***	6.5869 ***	7.0349 ***
Piemonte	<b>-0.6577 ***</b>	<b>-0.6086 ***</b>	<b>-1.291 ***</b>	<b>-2.2433 ***</b>	<b>-7.4575 ***</b>	<b>-7.1661 ***</b>	<b>-7.0410 ***</b>
Veneto	0.8861 *	1.0265 **	0.1133	2.6116 ***	1.0059	1.6412 **	1.6324 **
Emilia-Romagna	0.1709	0.3448	-0.0911	0.5548	-1.4456	-1.0919	-0.9747
Constant	-1.4302 **	2.2064	-1.8808 ***	-5.0828	-53.4585 **	-51.9923 **	-57.224 **

N obs	259	259	259	259	259	259	259
Pseudo R2	20%	22%	23%	26%	29%	29%	30%

---

<sup>1</sup> : \*, \*\* and \*\*\*, denote significance at 10%, 5% and 1% respectively

<sup>2</sup>: The parameter estimates whose sign and significance are stable across different specifications are presented in bold

Annex 2 - Post-estimation statistics for comparison of the 7 estimated models

	Farm and farmer variables; No labour market and surrounding condition (LMSC) variables			Farm and farmer variables; LMSC variables in linear form	Farm and farmer variables; LMSC variables in non-linear form		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7
Pseudo R2	20%	22%	23%	26%	29%	29%	30%
Sensitivity	60%	62%	65%	62%	63%	62%	65%
Specificity	85%	83%	82%	83%	87%	87%	87%
Correctly classified	74%	74%	75%	74%	76%	76%	77%
AIC	317	314	312	306	299	298	295
BIC	378	382	379	384	388	383	380