

Starting pitcher

Bateadores: Comparación de los modelos - Primer refinamiento

Dependent variable:				
	Pooling (1)	Within (2)	Random effects (3)	First-Differences (4)
Edad_t	-0.006** (0.003)	-0.006 (0.005)	-0.006** (0.003)	-0.011*** (0.002)
Anios_de_contrato_t	-0.004 (0.004)	-0.038*** (0.012)	-0.006 (0.004)	-0.048*** (0.009)
team_num_t	0.001 (0.001)	0.001 (0.001)	0.001 (0.001)	0.002*** (0.001)
X_Porcentaje_On_base_plus_slugging_2_t			-0.017 (0.010)	
X_Triples_t_1	0.010* (0.005)		0.009 (0.005)	
X_At_bats_t				0.004*** (0.001)
X_At_bats_t_1				-0.001*** (0.0004)
X_Bateos_t				-0.002** (0.001)
X_Bateos_2_t				-0.0001 (0.0001)
X_Bateos_2_t_1				-0.0004*** (0.0001)
X_Juegos_iniciados_t				-0.005*** (0.002)
X_Juegos_iniciados_t_1				0.006*** (0.001)
X_Porcentaje_On_base_plus_slugging_t				-0.047* (0.027)
X_Porcentaje_On_base_plus_slugging_t_1				-0.054*** (0.015)
X_Porcentaje_on_base_t				0.066 (0.043)
X_Porcentaje_on_base_t_1		0.033 (0.028)		0.079*** (0.026)
X_Porcentaje_on_base_2_t				0.066*** (0.014)
X_Triples_t				-0.064*** (0.010)

X_Triples_2_t				0.023*** (0.005)
X_WAR_t	0.016** (0.007)	0.036*** (0.009)	0.018*** (0.006)	0.013*** (0.005)
X_WAR_t_1				0.010** (0.005)
X_WAR_2_t				0.011** (0.004)
X_Bateos_promedio_t_1				0.031 (0.021)
X_Home_runs_t_1				-0.007*** (0.002)
X_Runs_batted_in_t_1				0.004** (0.002)
Constant	0.187** (0.081)		0.170** (0.085)	

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Note: *p<0.1; **p<0.05; ***p<0.01

Bateadores: Comparación de los modelos - Segundo refinamiento

Dependent variable:				
	Pooling (1)	Within (2)	Random effects (3)	First-Differences (4)
Edad_t	-0.006** (0.003)	-0.006 (0.004)	-0.006** (0.003)	-0.011*** (0.002)
Anios_de_contrato_t	-0.004 (0.004)	-0.039*** (0.012)	-0.007* (0.004)	-0.050*** (0.009)
team_num_t	0.001 (0.001)	0.001 (0.001)	0.001 (0.001)	0.002*** (0.001)
X_Triples_t_1	0.010* (0.005)			
X_At_bats_t				0.004*** (0.001)
X_At_bats_t_1				-0.002*** (0.0003)
X_Bateos_t				-0.003*** (0.001)
X_Bateos_2_t_1				-0.0005*** (0.0001)
X_Juegos_iniciados_t				-0.005*** (0.002)
X_Juegos_iniciados_t_1				0.006*** (0.001)
X_Porcentaje_On_base_plus_slugging_t				-0.017 (0.010)
X_Porcentaje_On_base_plus_slugging_t_1				-0.049*** (0.014)
X_Porcentaje_on_base_t_1				0.107*** (0.014)

X_Porcentaje_on_base_2_t				0.081*** (0.026)
X_Triples_t				-0.064*** (0.009)
X_Triples_2_t				0.024*** (0.005)
X_WAR_t	0.016** (0.007)	0.035*** (0.009)	0.019*** (0.006)	0.014*** (0.005)
X_WAR_t_1				0.008* (0.004)
X_WAR_2_t				0.010** (0.005)
X_Home_runs_t_1				-0.006*** (0.002)
X_Runs_batted_in_t_1				0.004** (0.002)
Constant	0.187** (0.081)		0.181** (0.082)	

Note: *p<0.1; **p<0.05; ***p<0.01

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at

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% Requires LaTeX packages: dcolumn

\begin{table}[!htbp] \centering

\caption{Bateadores: Comparación de los modelos - Econométrico final}

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& \multicolumn{4}{c}{\textit{Dependent variable:}} \\

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\\[-1.8ex] & \multicolumn{4}{c}{ } \\

& \multicolumn{1}{c}{Pooling} & \multicolumn{1}{c}{Within} & \multicolumn{1}{c}{Random effects} & \multicolumn{1}{c}

\\[-1.8ex] & \multicolumn{1}{c}{(1)} & \multicolumn{1}{c}{(2)} & \multicolumn{1}{c}{(3)} & \multicolumn{1}{c}

\hline \\[-1.8ex]

Edad_t & -0.006^{**} & -0.006 & -0.006^{**} & -0.011^{***} \\

& (0.003) & (0.004) & (0.003) & (0.002) \\

Anios_de_contrato_t & -0.004 & -0.039^{***} & -0.007^{*} & -0.050^{***} \\

& (0.004) & (0.012) & (0.004) & (0.009) \\

team_num_t & 0.001 & 0.001 & 0.001 & 0.002^{***} \\

& (0.001) & (0.001) & (0.001) & (0.001) \\

X_Triples_t_1 & 0.010^{*} & & & \\

& (0.005) & & & \\

X_At_bats_t & & & & 0.003^{***} \\

& & & & (0.001) \\

X_At_bats_t_1 & & & & -0.002^{***} \\

& & & & (0.0004) \\

X_Bateos_t & & & & -0.003^{***} \\

& & & & (0.001) \\

X_Bateos_2_t_1 & & & & -0.0005^{***} \\

& & & & (0.0001) \\

X_Juegos_iniciados_t & & & & -0.004^{**} \\

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& & & & (0.002) \\
X\_Juegos\_iniciados\_t\_1 & & & 0.006^{***} \\
& & & (0.001) \\
X\_Porcentaje\_On\_base\_plus\_slugging\_t\_1 & & & -0.056^{***} \\
& & & (0.012) \\
X\_Porcentaje\_on\_base\_t\_1 & & & 0.113^{***} \\
& & & (0.012) \\
X\_Porcentaje\_on\_base\_2\_t & & & 0.063^{***} \\
& & & (0.019) \\
X\_Triples\_t & & & -0.067^{***} \\
& & & (0.010) \\
X\_Triples\_2\_t & & & 0.025^{***} \\
& & & (0.005) \\
X\_WAR\_t & 0.016^{**} & 0.035^{***} & 0.019^{***} & 0.015^{***} \\
& (0.007) & (0.009) & (0.006) & (0.004) \\
X\_WAR\_t\_1 & & & 0.008^{*} \\
& & & (0.005) \\
X\_WAR\_2\_t & & & 0.010^{**} \\
& & & (0.005) \\
X\_Home\_runs\_t\_1 & & & -0.006^{***} \\
& & & (0.002) \\
X\_Runs\_batted\_in\_t\_1 & & & 0.004^{**} \\
& & & (0.002) \\
Constant & 0.187^{**} & 0.181^{**} & \\
& (0.081) & (0.082) & \\
\hline \\[-1.8ex]
\hline
\hline \\[-1.8ex]
\textit{Note:} & \multicolumn{4}{r}{\textit{\$}^{*}\textit{\$}p\textit{\$}<\textit{\$}0.1; \textit{\$}^{**}\textit{\$}p\textit{\$}<\textit{\$}0.05; \textit{\$}^{***}\textit{\$}p\textit{\$}<\textit{\$}0.01} \\
\end{tabular}
\end{table}

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\$pooling_vs_within

Hausman Test

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data: formula
chisq = 24.791, df = 4, p-value = 5.542e-05
alternative hypothesis: one model is inconsistent

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\$pooling_vs_random

Hausman Test

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data: formula
chisq = 34.85, df = 4, p-value = 4.988e-07
alternative hypothesis: one model is inconsistent

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\$pooling_vs_fd

Hausman Test

data: formula
chisq = 29.901, df = 4, p-value = 5.128e-06
alternative hypothesis: one model is inconsistent

\$within_vs_random

Hausman Test

data: formula
chisq = 19.316, df = 4, p-value = 0.0006812
alternative hypothesis: one model is inconsistent

\$within_vs_fd

Hausman Test

data: formula
chisq = 19.74, df = 4, p-value = 0.0005619
alternative hypothesis: one model is inconsistent

\$random_vs_fd

Hausman Test

data: formula
chisq = 26.893, df = 4, p-value = 2.089e-05
alternative hypothesis: one model is inconsistent

Lanzadores Iniciales: Comparación de los modelos

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	Dependent variable:			

	Pooling	Within	Random effects	First-Differences
	(1)	(2)	(3)	(4)

Edad_t	-0.008**	-0.023*	-0.009**	-0.028***
	(0.004)	(0.012)	(0.004)	(0.007)
Anios_de_contrato_t	-0.015*	-0.025	-0.015*	-0.042***
	(0.009)	(0.023)	(0.009)	(0.013)
team_num_t	0.003**	0.005**	0.003**	0.001
	(0.001)	(0.002)	(0.001)	(0.002)
X_Bateos_2_t				0.001***
				(0.0004)
X_Bateos_t				0.023***
				(0.003)
X_Carreras_ganadas_2_t				-0.001***
				(0.0004)
X_Carreras_ganadas_t				0.007
				(0.006)
X_Control_2_t	-0.181**		-0.176**	-0.051

	(0.074)		(0.075)	(0.082)
X_Control_t	0.082*		0.076*	-0.011
	(0.045)		(0.046)	(0.045)
X_Dominio_2_t	-0.045		-0.047	-0.194***
	(0.029)		(0.030)	(0.050)
X_Dominio_t	0.008		0.010	0.159***
	(0.023)		(0.023)	(0.048)
X_ERA_2_t	0.001		0.001	
	(0.003)		(0.003)	
X_Inning_pitched_2_t				-0.001***
				(0.0003)
X_Inning_pitched_t				-0.008**
				(0.003)
X_Losses_2_t				-0.003
				(0.002)
X_Carreras_t	0.003			-0.037***
	(0.003)			(0.009)
X_Comando_2_t	-0.005			-0.014
	(0.008)			(0.009)
X_Comando_t				0.036***
				(0.013)
X_ERA_t	-0.017*	0.0004	-0.016*	-0.066***
	(0.009)	(0.013)	(0.009)	(0.015)
X_Saves_2_t	-0.253	-1.291*	-0.284	-4.154**
	(0.874)	(0.708)	(0.864)	(1.822)
X_Saves_t	0.261	0.975**	0.291	3.006**
	(0.579)	(0.482)	(0.573)	(1.237)
X_WHIP_2_t	0.006		0.007	0.114***
	(0.020)		(0.020)	(0.021)
X_WHIP_t	0.005		0.004	0.031
	(0.020)		(0.019)	(0.020)
X_Walks_2_t				0.001**
				(0.0005)
X_Walks_t				0.013**
				(0.006)
X_Wins_t				-0.008
				(0.012)
X_Bateos_2_t_1				-0.001**
				(0.0003)
X_Bateos_t_1				0.010
				(0.006)
X_Carreras_ganadas_2_t_1				0.001
				(0.0003)
X_Carreras_ganadas_t_1				0.007
				(0.007)
X_Control_2_t_1	-0.019		-0.021	-0.099***
	(0.036)		(0.037)	(0.035)
X_Control_t_1	-0.027		-0.028	-0.039
	(0.037)		(0.037)	(0.025)
X_Dominio_2_t_1	0.009		0.008	-0.131***
	(0.037)		(0.037)	(0.027)
X_Dominio_t_1	0.044*		0.041*	0.048**
	(0.024)		(0.024)	(0.022)
X_ERA_2_t_1	0.006		0.005	

	(0.005)		(0.004)	
X_Inning_pitched_2_t_1				0.0002 (0.0003)
X_Inning_pitched_t_1				-0.011*** (0.002)
X_Losses_2_t_1				-0.007*** (0.002)
X_Strike_outs_2_t	-0.0001 (0.0001)			0.0001 (0.0001)
X_Strike_outs_t				0.011*** (0.003)
X_WAR_2_t	0.002 (0.004)			-0.002 (0.005)
X_Carreras_t_1	-0.002 (0.003)			0.003 (0.003)
X_Comando_2_t_1	0.00001 (0.00000)			0.0004*** (0.0001)
X_Comando_t_1				-0.054*** (0.012)
X_ERA_t_1	-0.016* (0.009)	-0.029** (0.012)	-0.017* (0.009)	-0.043*** (0.009)
X_Saves_2_t_1	-0.217** (0.106)	0.166* (0.097)	-0.214** (0.104)	0.046 (0.148)
X_Saves_t_1	0.419** (0.182)	-0.168 (0.163)	0.412** (0.179)	0.116 (0.280)
X_WHIP_2_t_1	-0.020 (0.021)		-0.017 (0.021)	0.010 (0.029)
X_WHIP_t_1	-0.003 (0.019)		-0.004 (0.019)	0.003 (0.025)
X_Walks_2_t_1				0.001 (0.0005)
X_Walks_t_1				-0.010 (0.007)
X_Wins_t_1				0.017** (0.007)
X_Strike_outs_2_t_1		0.0003 (0.0002)		0.001*** (0.0002)
X_Strike_outs_t_1				-0.010* (0.005)
X_WAR_2_t_1		-0.008** (0.004)		-0.021*** (0.003)
Constant	0.251** (0.121)		0.261** (0.126)	

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Note: *p<0.1; **p<0.05; ***p<0.01

Lanzadores Iniciales: Comparación de los modelos - Primer refinamiento

Dependent variable:

Pooling	Within	Random effects	First-Differences
(1)	(2)	(3)	(4)

Edad_t	-0.008**	-0.020*	-0.009**	-0.016***
	(0.004)	(0.012)	(0.004)	(0.005)
Anios_de_contrato_t	-0.013*	-0.017	-0.013*	-0.057***
	(0.007)	(0.020)	(0.007)	(0.012)
team_num_t	0.002	0.004	0.002	0.002
	(0.001)	(0.002)	(0.001)	(0.001)
X_Control_2_t	-0.157**		-0.148**	
	(0.071)		(0.071)	
X_Control_t	0.091**		0.084**	
	(0.041)		(0.041)	
X_Bateos_2_t				0.0005**
				(0.0002)
X_Bateos_2_t_1				-0.0004***
				(0.0001)
X_Bateos_t				0.020***
				(0.002)
X_Carreras_ganadas_2_t				-0.001***
				(0.0003)
X_Dominio_t_1	0.047***		0.043***	0.042***
	(0.014)		(0.014)	(0.009)
X_Inning_pitched_2_t				-0.001***
				(0.0001)
X_Inning_pitched_t				-0.001
				(0.002)
X_Inning_pitched_t_1				0.001
				(0.001)
X_Losses_2_t_1				-0.003***
				(0.001)
X_ERA_t_1	-0.019***	-0.034***	-0.019***	-0.035***
	(0.006)	(0.011)	(0.006)	(0.006)
X_Carreras_t				-0.023***
				(0.003)
X_Comando_2_t_1				0.0004***
				(0.0001)
X_Comando_t				0.047***
				(0.006)
X_Comando_t_1				-0.046***
				(0.006)
X_Control_2_t_1				-0.098***
				(0.014)
X_Control_t_1				-0.047**
				(0.020)
X_Dominio_2_t				-0.152***
				(0.012)
X_Dominio_t				0.136***
				(0.021)
X_Dominio_2_t_1				-0.084***
				(0.011)
X_ERA_t	-0.013**		-0.012**	-0.047***
	(0.006)		(0.006)	(0.007)
X_Saves_2_t		-1.883***		-2.416***
		(0.656)		(0.448)
X_Saves_2_t_1	-0.194**	0.066***	-0.170**	

	(0.090)	(0.019)	(0.083)	
X_Saves_t_1	0.374**		0.332**	
	(0.159)		(0.145)	
X_Saves_t		1.447***		1.745***
		(0.465)		(0.294)
X_Strike_outs_2_t_1				0.001***
				(0.0001)
X_Strike_outs_t				0.006***
				(0.001)
X_Strike_outs_t_1				-0.006***
				(0.002)
X_WAR_2_t_1		-0.008**		-0.017***
		(0.003)		(0.002)
X_WHIP_2_t				0.084***
				(0.012)
X_Walks_2_t				0.001***
				(0.0002)
X_Walks_t				0.007***
				(0.002)
X_Wins_t_1				0.004
				(0.003)
Constant	0.257**		0.275**	
	(0.123)		(0.132)	

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Note: *p<0.1; **p<0.05; ***p<0.01

Lanzadores Iniciales: Comparación de los modelos - Segundo refinamiento

Dependent variable:				
	Pooling (1)	Within (2)	Random effects (3)	First-Differences (4)
Edad_t	-0.008** (0.004)	-0.020* (0.012)	-0.009** (0.004)	-0.016*** (0.004)
Anios_de_contrato_t	-0.013* (0.007)	-0.017 (0.020)	-0.013* (0.007)	-0.058*** (0.012)
team_num_t	0.002 (0.001)	0.004 (0.002)	0.002 (0.001)	0.002* (0.001)
X_Control_2_t	-0.157** (0.071)		-0.148** (0.071)	
X_Control_t	0.091** (0.041)		0.084** (0.041)	
X_Bateos_2_t				0.0005** (0.0002)
X_Bateos_2_t_1				-0.0004*** (0.0001)
X_Bateos_t				0.020*** (0.002)
X_Carreras_ganadas_2_t				-0.001*** (0.0003)
X_Dominio_t_1	0.047***		0.043***	0.042***

	(0.014)		(0.014)	(0.009)
X_Inning_pitched_2_t				-0.001***
				(0.0001)
X_Losses_2_t_1				-0.003***
				(0.001)
X_ERA_t_1	-0.019***	-0.034***	-0.019***	-0.036***
	(0.006)	(0.011)	(0.006)	(0.006)
X_Carreras_t				-0.023***
				(0.003)
X_Comando_2_t_1				0.0004***
				(0.0001)
X_Comando_t				0.048***
				(0.006)
X_Comando_t_1				-0.046***
				(0.006)
X_Control_2_t_1				-0.098***
				(0.013)
X_Control_t_1				-0.053***
				(0.012)
X_Dominio_2_t				-0.151***
				(0.011)
X_Dominio_t				0.134***
				(0.020)
X_Dominio_2_t_1				-0.084***
				(0.011)
X_ERA_t	-0.013**		-0.012**	-0.046***
	(0.006)		(0.006)	(0.007)
X_Saves_2_t		-1.883***		-2.435***
		(0.656)		(0.439)
X_Saves_2_t_1	-0.194**	0.066***	-0.170**	
	(0.090)	(0.019)	(0.083)	
X_Saves_t_1	0.374**		0.332**	
	(0.159)		(0.145)	
X_Saves_t		1.447***		1.770***
		(0.465)		(0.295)
X_Strike_outs_2_t_1				0.001***
				(0.0001)
X_Strike_outs_t				0.005***
				(0.001)
X_Strike_outs_t_1				-0.005***
				(0.001)
X_WAR_2_t_1		-0.008**		-0.017***
		(0.003)		(0.002)
X_WHIP_2_t				0.081***
				(0.012)
X_Walks_2_t				0.001***
				(0.0002)
X_Walks_t				0.006***
				(0.002)
Constant	0.257**		0.275**	
	(0.123)		(0.132)	

Note:

*p<0.1; **p<0.05; ***p<0.01

\$pooling_vs_within

Hausman Test

data: formula
chisq = 4.2929, df = 5, p-value = 0.5081
alternative hypothesis: one model is inconsistent

\$pooling_vs_random

Hausman Test

data: formula
chisq = 4.8623, df = 10, p-value = 0.9002
alternative hypothesis: one model is inconsistent

\$pooling_vs_fd

Hausman Test

data: formula
chisq = 9.4283, df = 6, p-value = 0.1509
alternative hypothesis: one model is inconsistent

\$within_vs_random

Hausman Test

data: formula
chisq = 4.4388, df = 5, p-value = 0.4881
alternative hypothesis: one model is inconsistent

\$within_vs_fd

Hausman Test

data: formula
chisq = 101.17, df = 7, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

\$random_vs_fd

Hausman Test

data: formula
chisq = 9.501, df = 6, p-value = 0.1473
alternative hypothesis: one model is inconsistent

Cambio estructural para el 2020 - COVID-19

Estimaremos los mismos modelos refinados, pero omitiendo el año 2020 para evaluar si hay un cambio estructural.

Bateadores

Bateadores: Comparación de los modelos - COVID-19

Dependent variable:				
	Pooling (1)	Within (2)	Random effects (3)	First-Differences (4)
Edadt	-0.006** (0.003)	-0.006 (0.004)	-0.006** (0.003)	-0.011*** (0.002)
Años contratot	-0.004 (0.004)	-0.039*** (0.012)	-0.007* (0.004)	-0.050*** (0.009)
Eqipot	0.001 (0.001)	0.001 (0.001)	0.001 (0.001)	0.002*** (0.001)
XTt-1	0.010* (0.005)			
XBAAt-1				0.003*** (0.001)
XGSt-1				-0.002*** (0.0004)
XOBP2t				-0.003*** (0.001)
XWARt				-0.0005*** (0.0001)
XWAR2t				-0.004** (0.002)
Intercepto				0.006*** (0.001)
X_Porcentaje_On_base_plus_slugging_t_1				-0.056*** (0.012)
X_Porcentaje_on_base_t_1				0.113*** (0.012)
X_Porcentaje_on_base_2_t				0.063*** (0.019)
X_Triples_t				-0.067*** (0.010)
X_Triples_2_t				0.025*** (0.005)
X_WAR_t	0.016** (0.007)	0.035*** (0.009)	0.019*** (0.006)	0.015*** (0.004)
X_WAR_t_1				0.008* (0.005)
X_WAR_2_t				0.010** (0.005)
X_Home_runs_t_1				-0.006*** (0.002)

X_Runs_batted_in_t_1			0.004** (0.002)
Constant	0.187** (0.081)	0.181** (0.082)	
=====			
=====			
Note:	*p<0.1; **p<0.05; ***p<0.01		

Fildeadores

Lanzadores Iniciales: Comparación de los modelos - COVID-19

=====				
Dependent variable:				

	Pooling (1)	Within (2)	Random effects (3)	First-Differences (4)

Edadt	-0.008** (0.004)	-0.020* (0.012)	-0.009** (0.004)	-0.016*** (0.004)
Años contratot	-0.013* (0.007)	-0.017 (0.020)	-0.013* (0.007)	-0.058*** (0.012)
Equipot	0.002 (0.001)	0.004 (0.002)	0.002 (0.001)	0.002* (0.001)
XControl2t	-0.157** (0.071)		-0.148** (0.071)	
XControlt	0.091** (0.041)		0.084** (0.041)	
XDominiot-1				0.0005** (0.0002)
XHt				-0.0004*** (0.0001)
XER2t				0.020*** (0.002)
XERAt-1				-0.001*** (0.0003)
XERAt	0.047*** (0.014)		0.043*** (0.014)	0.042*** (0.009)
XSt-1				-0.001*** (0.0001)
XS2t-1				-0.003*** (0.001)
XSt	-0.019*** (0.006)	-0.034*** (0.011)	-0.019*** (0.006)	-0.036*** (0.006)
XComando2t-1				-0.023*** (0.003)
XComandot				0.0004*** (0.0001)
XDominiot				0.048*** (0.006)
XL2t-1				-0.046*** (0.006)
XS02t-1				-0.098***

			(0.013)
XS0t			-0.053***
			(0.012)
XBBt			-0.151***
			(0.011)
Intercepto			0.134***
			(0.020)
X_Dominio_2_t_1			-0.084***
			(0.011)
X_ERA_t	-0.013**	-0.012**	-0.046***
	(0.006)	(0.006)	(0.007)
X_Saves_2_t		-1.883***	-2.435***
		(0.656)	(0.439)
X_Saves_2_t_1	-0.194**	0.066***	-0.170**
	(0.090)	(0.019)	(0.083)
X_Saves_t_1	0.374**		0.332**
	(0.159)		(0.145)
X_Saves_t		1.447***	1.770***
		(0.465)	(0.295)
X_Strike_outs_2_t_1			0.001***
			(0.0001)
X_Strike_outs_t			0.005***
			(0.001)
X_Strike_outs_t_1			-0.005***
			(0.001)
X_WAR_2_t_1		-0.008**	-0.017***
		(0.003)	(0.002)
X_WHIP_2_t			0.081***
			(0.012)
X_Walks_2_t			0.001***
			(0.0002)
X_Walks_t			0.006***
			(0.002)
Constant	0.257**	0.275**	
	(0.123)	(0.132)	

```
=====
Note:                                     *p<0.1; **p<0.05; ***p<0.01
```

Procedamos a realizar el test de Hausman para cada modelo

```
[1] "Bateadores: Pruebas de Hausman para el COVID-19"
```

```
[1] ""
```

```
[1] "Pooling"
```

Hausman Test

```
data: formula
chisq = 3.9513, df = 5, p-value = 0.5565
alternative hypothesis: one model is inconsistent
```

```
[1] "Within"
```

Hausman Test

```
data: formula
chisq = 3.0371, df = 4, p-value = 0.5516
alternative hypothesis: one model is inconsistent
```

```
[1] "Random effects"
```

Hausman Test

```
data: formula
chisq = 1.392, df = 4, p-value = 0.8456
alternative hypothesis: one model is inconsistent
```

```
[1] "First-Differences"
```

Hausman Test

```
data: formula
chisq = 15.506, df = 19, p-value = 0.6899
alternative hypothesis: one model is inconsistent
```

```
# List to store results
fielder_test_covid <- list()
model_names <- c("Pooling",
                 "Within",
                 "Random effects",
                 "First-Differences")

# Title:
print("Lanzadores iniciales: Pruebas de Hausman para el COVID-19")
```

```
[1] "Lanzadores iniciales: Pruebas de Hausman para el COVID-19"
```

```
print("")
```

```
[1] ""
```

```
# Loop for applying results
for (i in 1:4){
  fielder_test_covid[[i]] <- phptest(fielder_end_models[[i]],
                                    fielder_end_models_cov[[i]])
  print(model_names[[i]])
  print(fielder_test_covid[[i]])
}
```

```
[1] "Pooling"
```

Hausman Test

```
data: formula
chisq = 6.6745, df = 10, p-value = 0.7558
alternative hypothesis: one model is inconsistent
```

```
[1] "Within"
```

Hausman Test

```
data: formula
chisq = 2.5947, df = 8, p-value = 0.9572
alternative hypothesis: one model is inconsistent
```

```
[1] "Random effects"
```

Hausman Test

```
data: formula
chisq = 6.2746, df = 10, p-value = 0.7917
alternative hypothesis: one model is inconsistent
```

```
[1] "First-Differences"
```

Hausman Test

```
data: formula
chisq = 12.337, df = 30, p-value = 0.9982
alternative hypothesis: one model is inconsistent
```

Comparación entre periodos

Obtendremos los estimadores para los primeros dos años de observación para luego compararlos con los estimadores para el resto de años. Primero, aseguremos que los páneles estén ordenados por nombre y año de referencia

```
# Sort dataframe by player name and year_ref
hitter_data <- hitter_data %>% arrange(Jugador, Anio_ref)
# Sort dataframe by player name and year_ref
starting_data <- starting_data %>% arrange(Jugador, Anio_ref)
```

Haremos las estimaciones con todos los modelos para obtener un análisis robusto

Primeros dos años

Pooling

Bateadores

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test


```

data: formula
chisq = 291.74, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 38.797, df = 5, p-value = 2.609e-07
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 122.07, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 18.388, df = 5, p-value = 0.002498
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 6.2366, df = 5, p-value = 0.2839
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 51.721, df = 5, p-value = 6.155e-10
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

```

```

data: formula
chisq = 23.4, df = 5, p-value = 0.000283
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 104.15, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 14.838, df = 5, p-value = 0.01108
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 18.536, df = 5, p-value = 0.002345
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 20.184, df = 5, p-value = 0.001154
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

data: formula
chisq = 85.854, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Test para cambio estructural entre periodos:"

      Hausman Test

```

```
data: formula
chisq = 14.274, df = 5, p-value = 0.01396
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 26.818, df = 5, p-value = 6.189e-05
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 28.192, df = 5, p-value = 3.339e-05
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 43.473, df = 5, p-value = 2.963e-08
alternative hypothesis: one model is inconsistent
```

Starting pitcher

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)

Edadt	-0.010 (0.008)	-0.011 (0.009)
Años contratot	-0.005 (0.021)	-0.043 (0.027)
Equipot	0.003 (0.002)	0.007 (0.007)
XH2t	-0.0003 (0.0002)	0.0003 (0.0003)
XH2t-1	-0.0001 (0.0001)	-0.0003 (0.0003)
Agentet	0.287	0.245

```

(0.272)      (0.178)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 5.3622, df = 5, p-value = 0.3733
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.011      -0.010
                  (0.008)      (0.008)
Años contratot     -0.015      -0.041
                  (0.020)      (0.031)
Equipot            0.003       0.005
                  (0.002)      (0.006)
XHt                -0.002       0.001
                  (0.003)      (0.003)
XHt-1              0.0003      -0.002
                  (0.002)      (0.004)
Agentet            0.358       0.259
                  (0.264)      (0.163)
=====
=====

```

```

Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 1.9892, df = 5, p-value = 0.8506
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)

```

```

-----
Edadt          -0.012      -0.011
                (0.009)      (0.009)
Años contratot -0.016      -0.035
                (0.020)      (0.031)
Eqipot         0.004       0.007
                (0.002)      (0.007)
XR2t           0.00001     0.001**
                (0.0004)     (0.0004)
XR2t-1         -0.0003     -0.0005
                (0.0002)     (0.001)
Agentet        0.378       0.248
                (0.278)      (0.180)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 4.2456, df = 5, p-value = 0.5146
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt          -0.010      -0.010
                (0.008)      (0.008)
Años contratot -0.011      -0.037
                (0.020)      (0.031)
Eqipot         0.003       0.005
                (0.002)      (0.006)
XER2t          -0.005       0.005
                (0.003)      (0.003)
XER2t-1        -0.0005     -0.002
                (0.002)      (0.006)
Agentet        0.324       0.253
                (0.264)      (0.180)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 8.3969, df = 5, p-value = 0.1357
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Pooling)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.010 -0.010
      (0.008) (0.007)
Años contratot -0.019 -0.041
      (0.019) (0.033)
Equipot 0.003 0.007
      (0.002) (0.006)
XERt -0.018 -0.017
      (0.012) (0.017)
XERt-1 -0.028** -0.004
      (0.012) (0.016)
Agentet 0.311 0.222
      (0.246) (0.164)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 3.526, df = 5, p-value = 0.6195
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Pooling)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.011 -0.010
      (0.008) (0.008)
Años contratot -0.012 -0.037
      (0.020) (0.031)
Equipot 0.003 0.005
      (0.002) (0.006)
XRt -0.004 0.005
      (0.003) (0.003)
```

XRt-1	-0.001	-0.002
	(0.003)	(0.006)
Agentet	0.342	0.255
	(0.263)	(0.178)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 7.7693, df = 5, p-value = 0.1694

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.011	-0.005
	(0.009)	(0.007)
Años contratot	-0.022	-0.062*
	(0.019)	(0.033)
Equipot	0.003	0.005
	(0.002)	(0.005)
XComando2t	0.007	-0.064***
	(0.009)	(0.020)
XComando2t-1	-0.00001**	0.027
	(0.00000)	(0.017)
Agentet	0.361	0.100
	(0.265)	(0.178)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 15.214, df = 5, p-value = 0.009487

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.011 (0.009)	-0.007 (0.008)
Años contratot	-0.018 (0.019)	-0.023 (0.031)
Eqipot	0.003 (0.002)	0.004 (0.007)
XComandot	0.006 (0.019)	-0.010 (0.046)
XComandot-1	-0.001* (0.001)	-0.037 (0.046)
Agentet	0.361 (0.263)	0.119 (0.224)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.4502, df = 5, p-value = 0.6309

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.014* (0.008)	-0.012 (0.007)
Años contratot	-0.014 (0.019)	-0.036 (0.033)
Eqipot	0.004** (0.002)	0.009 (0.007)
XControl2t	-0.146* (0.081)	0.325* (0.184)
XControl2t-1	-0.142*** (0.035)	-0.396 (0.310)
Agentet	0.385 (0.254)	0.240 (0.159)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```

data: formula
chisq = 14.551, df = 5, p-value = 0.01246
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.011 (0.007)	-0.011 (0.007)
Años contratot	-0.022 (0.020)	-0.032 (0.033)
Equipot	0.002 (0.002)	0.010 (0.006)
XControlt	0.059 (0.055)	0.194*** (0.061)
XControlt-1	-0.109*** (0.040)	-0.205** (0.083)
Agentet	0.343 (0.239)	0.215 (0.203)
Note: *p<0.1; **p<0.05; ***p<0.01		
[1] ""		
[1] "Test para cambio estructural entre periodos:"		

Hausman Test

```

data: formula
chisq = 12, df = 5, p-value = 0.03479
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.009 (0.008)	-0.008 (0.005)
Años contratot	-0.022 (0.019)	-0.032 (0.031)
Equipot	0.003	0.008

	(0.002)	(0.007)
XDominio2t	0.027	-0.069
	(0.046)	(0.065)
XDominio2t-1	0.084***	0.072
	(0.031)	(0.070)
Agentet	0.312	0.105
	(0.245)	(0.149)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 5.7603, df = 5, p-value = 0.3302

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007	-0.010
	(0.008)	(0.007)
Años contratot	-0.021	-0.038
	(0.019)	(0.028)
Equipot	0.002	0.007
	(0.002)	(0.007)
XDominiot	0.007	-0.043
	(0.033)	(0.117)
XDominiot-1	0.090***	0.058
	(0.029)	(0.109)
Agentet	0.266	0.227
	(0.246)	(0.161)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 0.70579, df = 5, p-value = 0.9826

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
                        -----
Edadt                  -0.010             -0.011
                        (0.008)            (0.009)
Años contratot        -0.006             -0.039
                        (0.021)            (0.038)
Equipot               0.004              0.007
                        (0.002)            (0.007)
XERA2t                -0.0003            0.0003
                        (0.0002)           (0.0003)
XERA2t-1              0.0001            -0.0001
                        (0.0001)           (0.0004)
Agentet               0.284              0.263
                        (0.271)            (0.192)
=====
=====
Note:                  *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 5.2359, df = 5, p-value = 0.3878
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
                        -----
Edadt                  -0.011             -0.010
                        (0.009)            (0.007)
Años contratot        -0.014             -0.037
                        (0.021)            (0.030)
Equipot               0.003              0.005
                        (0.002)            (0.006)
XERAt                 -0.002              0.002
                        (0.002)            (0.003)
XERAt-1               0.001              -0.004
                        (0.002)            (0.004)
Agentet               0.348              0.257
                        (0.278)            (0.159)
=====
=====

```

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 6.246, df = 5, p-value = 0.283
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.011 (0.008)	-0.012 (0.008)
Años contratot	-0.017 (0.017)	-0.040 (0.027)
Eqipot	0.003 (0.002)	0.007 (0.006)
XIP2t	-0.004* (0.002)	0.009 (0.006)
XIP2t-1	0.001 (0.002)	-0.004 (0.005)
Agentet	0.343 (0.257)	0.296 (0.194)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 8.1094, df = 5, p-value = 0.1503
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.013 (0.009)	-0.009 (0.010)

Años contratot	-0.018 (0.020)	-0.035 (0.034)
Equipot	0.004 (0.002)	0.006 (0.006)
XIPt	0.241 (0.154)	-0.050 (0.129)
XIPt-1	0.038*** (0.014)	-0.218 (0.513)
Agentet	0.419 (0.275)	0.198 (0.285)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 6.7347, df = 5, p-value = 0.2411

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.014 (0.008)	-0.009 (0.010)
Años contratot	-0.018 (0.020)	-0.034 (0.034)
Equipot	0.004* (0.002)	0.006 (0.006)
XL2t	0.121 (0.102)	-0.035 (0.086)
XL2t-1	0.097** (0.044)	-0.118 (0.212)
Agentet	0.425 (0.272)	0.176 (0.293)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.6711, df = 5, p-value = 0.5977

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.012 (0.008)	-0.010 (0.009)
Años contratot	-0.020 (0.018)	-0.045 (0.040)
Eqipot	0.004 (0.002)	0.007 (0.007)
XDLt	-0.0002 (0.0001)	0.0003 (0.0003)
XLt-1	0.0004** (0.0002)	0.0001 (0.0003)
Agentet	0.383 (0.250)	0.246 (0.190)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 5.469, df = 5, p-value = 0.3614

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.012 (0.008)	-0.011 (0.008)
Años contratot	-0.021 (0.020)	-0.040 (0.039)
Eqipot	0.004 (0.002)	0.006 (0.007)
XS2t	-0.00001 (0.002)	0.001 (0.003)
XS2t-1	0.001 (0.002)	-0.0004 (0.004)
Agentet	0.386	0.265

```

(0.265)      (0.170)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 2.0286, df = 5, p-value = 0.8452
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.013      -0.009
                  (0.008)      (0.007)
Años contratot     -0.022      0.014
                  (0.019)      (0.050)
Equipot            0.003       0.007
                  (0.002)      (0.007)
XSt                 0.0003     0.028*
                  (0.006)      (0.014)
XSt-1              0.011**     -0.015*
                  (0.005)      (0.008)
Agentet            0.440*      0.150
                  (0.260)      (0.141)
=====
=====

```

```

Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 25.4, df = 5, p-value = 0.0001166
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)

```

```

-----
Edadt                -0.009        -0.009
                   (0.007)        (0.006)
Años contratot      -0.020        -0.038
                   (0.021)        (0.034)
Eqipot              0.003         0.007
                   (0.002)        (0.008)
XS02t               -0.016         0.017
                   (0.019)        (0.027)
XS02t-1             -0.054***      -0.043
                   (0.017)        (0.042)
Agentet             0.249         0.194
                   (0.240)        (0.149)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 4.6179, df = 5, p-value = 0.4643
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Pooling)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt      -0.011      -0.010
          (0.007)      (0.007)
Años contratot -0.026      -0.042
          (0.021)      (0.031)
Eqipot      0.004*      0.007
          (0.002)      (0.008)
XS0t        -0.011      -0.012
          (0.018)      (0.033)
XS0t-1      -0.051***    -0.035
          (0.018)      (0.032)
Agentet      0.356      0.231
          (0.241)      (0.164)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test


```
data: formula
chisq = 2.2259, df = 5, p-value = 0.8171
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Pooling)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.012 -0.010
      (0.008) (0.008)
Años contratot -0.016 -0.042
      (0.019) (0.034)
Equipot 0.004 0.008
      (0.002) (0.006)
XWAR2t -0.0004 0.001
      (0.0005) (0.001)
XWAR2t-1 0.0001 0.0004
      (0.0005) (0.001)
Agentet 0.379 0.235
      (0.264) (0.188)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 4.2365, df = 5, p-value = 0.5159
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Pooling)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.013 -0.012
      (0.009) (0.008)
Años contratot -0.017 -0.054
      (0.021) (0.042)
Equipot 0.004 0.008
      (0.002) (0.006)
XWARt -0.0002 0.009*
      (0.005) (0.005)
```

XWArt-1	-0.002	0.003
	(0.004)	(0.007)
Agentet	0.399	0.277
	(0.283)	(0.180)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 4.8494, df = 5, p-value = 0.4345

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Pooling)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.010	-0.011
	(0.009)	(0.009)
Años contratot	-0.007	-0.043
	(0.021)	(0.037)
Eqipot	0.004*	0.006
	(0.002)	(0.007)
XWHIP2t	-0.013	0.011
	(0.009)	(0.011)
XWHIP2t-1	0.001	-0.006
	(0.008)	(0.016)
Agentet	0.295	0.268
	(0.281)	(0.181)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 5.4521, df = 5, p-value = 0.3632

alternative hypothesis: one model is inconsistent

Efectos fijos

Bateadores

Bateadores regulares: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	0.011 (0.013)	-0.006*** (0.002)
Años contratot	-0.019 (0.012)	-0.054*** (0.006)
Eqipot	0.001 (0.001)	0.004 (0.003)
XABt	0.001 (0.001)	0.003 (0.003)
XABt-1	0.001 (0.001)	0.002 (0.002)
Note: *p<0.1; **p<0.05; ***p<0.01		
[1] ""		
[1] "Test para cambio estructural entre periodos:"		

Hausman Test

data: formula
 chisq = 1.5754, df = 5, p-value = 0.9042
 alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	0.007 (0.012)	-0.007*** (0.002)
Años contratot	-0.018 (0.012)	-0.052*** (0.006)
Eqipot	0.001 (0.001)	0.004 (0.003)
XAB2t	-0.0001 (0.0001)	0.001 (0.0005)
XAB2t-1	0.00002 (0.0001)	-0.00004 (0.001)

```
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 2.5791, df = 5, p-value = 0.7645
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

```
=====
```

	Dependent variable:	

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.008	-0.007***
	(0.013)	(0.002)
Años contratot	-0.019	-0.055***
	(0.012)	(0.006)
Eqipot	0.001	0.005*
	(0.001)	(0.002)
XHt	-0.0002	0.005
	(0.001)	(0.005)
XHt-1	0.001	0.002
	(0.002)	(0.005)

```
=====
=====
```

```
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 2.3761, df = 5, p-value = 0.795
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

```
=====
```

	Dependent variable:	

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.007	-0.007***
	(0.011)	(0.001)
Años contratot	-0.021	-0.049***

	(0.013)	(0.004)
Equipot	0.002*	0.005**
	(0.001)	(0.002)
XH2t	0.050*	-0.040
	(0.027)	(0.066)
XH2t-1	0.071**	0.059**
	(0.035)	(0.029)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 7.3955, df = 5, p-value = 0.1928

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.007	-0.007***
	(0.011)	(0.002)
Años contratot	-0.018	-0.049***
	(0.012)	(0.010)
Equipot	0.001	0.005**
	(0.001)	(0.002)
XBAAt	-0.020	-0.028
	(0.070)	(0.111)
XBAAt-1	0.041	0.064**
	(0.032)	(0.031)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 0.77608, df = 5, p-value = 0.9785

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.007 (0.014)	-0.007*** (0.002)
Años contratot	-0.020 (0.012)	-0.058*** (0.007)
Eqipot	0.001 (0.001)	0.004** (0.002)
XBA2t	0.003 (0.006)	0.024** (0.009)
XBA2t-1	0.002 (0.005)	0.016 (0.014)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 5.0269, df = 5, p-value = 0.4126
 alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

	Primeros dos años (1)	Años restantes (2)
Edadt	0.009 (0.012)	-0.007*** (0.002)
Años contratot	-0.018 (0.014)	-0.052*** (0.008)
Eqipot	0.001 (0.001)	0.005** (0.002)
XDt	-0.0005 (0.001)	0.006* (0.003)
XDt-1	0.001 (0.001)	0.007 (0.004)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 3.0863, df = 5, p-value = 0.6867
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.011      -0.006***
               (0.013)    (0.002)
Años contratot -0.019      -0.058***
               (0.012)    (0.008)
Eqipot         0.001       0.005*
               (0.001)    (0.003)
XD2t           0.002       0.006
               (0.002)    (0.007)
XD2t-1         0.002       0.004
               (0.002)    (0.004)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 0.2255, df = 5, p-value = 0.9988
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.007      -0.007***
               (0.011)    (0.002)
Años contratot -0.023*     -0.050***
               (0.013)    (0.004)
Eqipot         0.002       0.005***
               (0.001)    (0.002)
XHRt           0.018       0.007
               (0.013)    (0.044)
XHRt-1         0.057*      -0.030**
               (0.031)    (0.012)
```

```

=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 42.17, df = 5, p-value = 5.443e-08
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

```

	Primeros dos años (1)	Años restantes (2)
Edadt	0.008 (0.011)	-0.007*** (0.001)
Años contratot	-0.023* (0.013)	-0.050*** (0.006)
Equipot	0.002 (0.001)	0.005*** (0.002)
XHR2t	0.061 (0.050)	-0.022 (0.080)
XHR2t-1	0.099** (0.044)	0.012 (0.043)

```

=====
=====

```

```

Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 24.867, df = 5, p-value = 0.0001478
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

```

	Primeros dos años (1)	Años restantes (2)
Edadt	0.009 (0.011)	-0.006*** (0.002)

Años contratot	-0.022 (0.014)	-0.049*** (0.006)
Eqipot	0.002* (0.001)	0.005** (0.002)
XGSt	0.158** (0.075)	-0.058 (0.091)
XGSt-1	0.024 (0.033)	0.079* (0.046)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 16.947, df = 5, p-value = 0.004601

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
--	--------------------------	-----------------------

Edadt	0.008 (0.012)	-0.007*** (0.002)
Años contratot	-0.018 (0.012)	-0.064*** (0.010)
Eqipot	0.001 (0.001)	0.005 (0.003)
XGS2t	-0.001 (0.002)	0.006 (0.008)
XGS2t-1	0.003 (0.002)	0.006 (0.006)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 2.2705, df = 5, p-value = 0.8106

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (Within)

=====

```

Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.006      -0.010***
               (0.012)    (0.003)
Años contratot -0.018      -0.066***
               (0.012)    (0.012)
Eqipot         0.001       0.003*
               (0.001)    (0.002)
XOPSt          0.001      -0.030
               (0.019)    (0.035)
XOPSt-1        0.005       0.049**
               (0.019)    (0.024)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 9.6581, df = 5, p-value = 0.08552
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (Within)

```

Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.006      -0.010***
               (0.012)    (0.002)
Años contratot -0.017       0.001
               (0.012)    (0.014)
Eqipot         0.001       0.005***
               (0.001)    (0.001)
XOPS2t         0.002       0.097***
               (0.006)    (0.020)
XOPS2t-1       0.004       0.030***
               (0.007)    (0.004)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 43.387, df = 5, p-value = 3.085e-08
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.003 (0.011)	-0.008*** (0.001)
Años contratot	-0.024* (0.013)	-0.060*** (0.007)
Equipot	0.001 (0.001)	0.006*** (0.002)
XOBPt	0.020* (0.010)	0.048*** (0.014)
XOBPt-1	0.009 (0.013)	-0.004 (0.016)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 4.1343, df = 5, p-value = 0.5302
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.005 (0.010)	-0.007** (0.003)
Años contratot	-0.020 (0.015)	-0.063*** (0.008)
Equipot	0.001 (0.001)	0.005** (0.002)
XOBP2t	0.004 (0.007)	0.051*** (0.018)
XOBP2t-1	0.008	-0.038*

```

(0.009)      (0.021)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 11.99, df = 5, p-value = 0.03493
alternative hypothesis: one model is inconsistent

```

Starting pitcher

Lanzadores iniciales: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
(1)                (2)
-----
Edadt              -0.004      0.108**
                  (0.022)      (0.042)
Años contratot     0.001      0.140**
                  (0.008)      (0.056)
Eqipot            0.002*      0.003
                  (0.001)      (0.004)
XH2t              -0.00004     0.0002
                  (0.0001)     (0.0002)
XH2t-1            0.00000     -0.0001
                  (0.0001)     (0.0002)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 1.5334, df = 5, p-value = 0.9092
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
(1)                (2)

```

```

-----
Edadt          -0.005          0.090**
                (0.017)         (0.040)
Años contratot -0.020*          0.116*
                (0.011)         (0.058)
Eqipot         0.003**          0.006*
                (0.001)         (0.003)
XHt            0.006*           0.002
                (0.003)         (0.001)
XHt-1          -0.0001          0.005***
                (0.002)         (0.001)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 3.0464, df = 5, p-value = 0.6928
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt          -0.002          0.107**
                (0.020)         (0.046)
Años contratot -0.001          0.143**
                (0.008)         (0.062)
Eqipot         0.002*           0.002
                (0.001)         (0.005)
XR2t           -0.0002          0.0005
                (0.0002)         (0.0003)
XR2t-1          0.0002          -0.0003
                (0.0002)         (0.0004)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 61.753, df = 5, p-value = 5.275e-12
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.002 (0.021)	0.102* (0.050)
Años contratot	-0.002 (0.008)	0.136* (0.069)
Eqipot	0.002 (0.001)	0.005 (0.004)
XER2t	0.001 (0.002)	0.002 (0.003)
XER2t-1	0.003 (0.002)	0.005 (0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.936, df = 5, p-value = 0.5587

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.002 (0.017)	0.127*** (0.036)
Años contratot	0.008 (0.010)	0.160*** (0.050)
Eqipot	0.001 (0.001)	0.004* (0.002)
XERt	0.020* (0.011)	-0.025* (0.013)
XERt-1	-0.012 (0.009)	0.004 (0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 23.981, df = 5, p-value = 0.000219
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.003 (0.020)	0.095* (0.051)
Años contratot	-0.008 (0.010)	0.124* (0.068)
Equipot	0.002 (0.001)	0.003 (0.004)
XRt	0.003 (0.002)	0.002 (0.002)
XRt-1	0.003 (0.002)	0.002 (0.004)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 5.0658, df = 5, p-value = 0.4079
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.005 (0.022)	0.103* (0.057)
Años contratot	-0.0001 (0.008)	0.112 (0.091)
Equipot	0.002* (0.001)	0.003 (0.004)

```

XComando2t          -0.003          -0.016
                    (0.007)          (0.023)
XComando2t-1         0.00000         0.011
                    (0.00000)        (0.011)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 5.1623, df = 5, p-value = 0.3964
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt          -0.001          0.115**
                (0.022)          (0.042)
Años contratot -0.007          0.144**
                (0.006)          (0.054)
Eqipot          0.002          0.004
                (0.001)          (0.006)
XComandot        0.017          -0.036**
                (0.028)          (0.015)
XComandot-1      0.0003          0.001
                (0.0003)         (0.046)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 6.733, df = 5, p-value = 0.2413
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Within)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes

```


	(1)	(2)
Edadt	-0.003 (0.020)	0.102*** (0.027)
Años contratot	0.001 (0.010)	0.134*** (0.039)
Eqipot	0.002** (0.001)	0.005* (0.003)
XControl2t	-0.073 (0.061)	0.267*** (0.057)
XControl2t-1	-0.044* (0.023)	-0.457*** (0.041)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 569.39, df = 5, p-value < 2.2e-16

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.001 (0.018)	0.058** (0.023)
Años contratot	-0.003 (0.010)	0.091** (0.031)
Eqipot	0.002* (0.001)	0.010*** (0.003)
XControl2t	-0.018 (0.041)	-0.014 (0.047)
XControl2t-1	-0.065 (0.049)	-0.260*** (0.044)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 0.67473, df = 5, p-value = 0.9843

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.003 (0.018)	0.016 (0.017)
Años contratot	0.004 (0.010)	0.009 (0.022)
Eqipot	0.003* (0.001)	-0.001 (0.001)
XDominio2t	-0.020 (0.037)	0.013* (0.007)
XDominio2t-1	0.028* (0.015)	-0.135*** (0.011)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 146.83, df = 5, p-value < 2.2e-16

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.005 (0.019)	-0.015** (0.005)
Años contratot	-0.001 (0.010)	-0.020** (0.007)
Eqipot	0.002* (0.001)	0.002* (0.001)
XDominiot	0.002 (0.016)	-0.064*** (0.020)
XDominiot-1	0.017 (0.020)	-0.122*** (0.013)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 17.189, df = 5, p-value = 0.004155
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.003 (0.021)	0.107* (0.051)
Años contratot	0.001 (0.008)	0.123 (0.070)
Equipot	0.002* (0.001)	0.005 (0.004)
XERA2t	-0.0001 (0.0001)	0.0002 (0.0001)
XERA2t-1	0.0001 (0.0001)	0.0002 (0.0001)

Note: *p<0.1; **p<0.05; ***p<0.01

```
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 2.8544, df = 5, p-value = 0.7224
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.0002 (0.019)	0.123* (0.057)
Años contratot	0.002 (0.011)	0.150* (0.076)
Equipot	0.002* (0.002)	0.005 (0.005)

	(0.001)	(0.004)
XERAt	-0.001	0.002*
	(0.001)	(0.001)
XERAt-1	0.002*	0.003
	(0.001)	(0.002)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 66.645, df = 5, p-value = 5.106e-13

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.003	0.111*
	(0.020)	(0.052)
Años contratot	-0.001	0.143*
	(0.009)	(0.075)
Eqipot	0.002*	0.003
	(0.001)	(0.004)
XIP2t	0.001	0.001
	(0.001)	(0.004)
XIP2t-1	0.0004	-0.002
	(0.001)	(0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 11.931, df = 5, p-value = 0.03574

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.004 (0.020)	0.105** (0.047)
Años contratot	-0.001 (0.009)	0.132* (0.065)
Eqipot	0.002* (0.001)	0.002 (0.003)
XIPt	0.301*** (0.005)	0.067*** (0.003)
XIPt-1	0.014 (0.018)	0.236*** (0.056)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 15.505, df = 5, p-value = 0.00841

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.004 (0.020)	0.104** (0.047)
Años contratot	-0.001 (0.009)	0.131* (0.066)
Eqipot	0.002* (0.001)	0.002 (0.003)
XL2t	0.191*** (0.021)	0.042*** (0.005)
XL2t-1	0.017 (0.039)	0.066 (0.045)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 17.197, df = 5, p-value = 0.00414

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		

	Primeros dos años (1)	Años restantes (2)

Edadt	-0.001 (0.019)	0.108* (0.053)
Años contratot	0.006 (0.012)	0.127 (0.074)
Eqipot	0.002* (0.001)	0.004 (0.003)
XDLt	-0.0001 (0.0001)	0.0002* (0.0001)
XLt-1	-0.00004 (0.0001)	0.0002 (0.0001)
=====		
=====		
Note:	*p<0.1; **p<0.05; ***p<0.01	
[1]	""	
[1]	"Test para cambio estructural entre periodos:"	

Hausman Test

data: formula
chisq = 17.555, df = 5, p-value = 0.00356
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		

	Primeros dos años (1)	Años restantes (2)

Edadt	-0.003 (0.019)	0.121* (0.056)
Años contratot	-0.009 (0.012)	0.138* (0.073)
Eqipot	0.002* (0.001)	0.005 (0.004)
XS2t	0.002 (0.001)	0.002** (0.001)
XS2t-1	0.002 (0.001)	0.003** (0.001)
=====		
=====		

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 5.6217, df = 5, p-value = 0.3448
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.003 (0.019)	0.101* (0.051)
Años contratot	0.001 (0.010)	0.148 (0.085)
Eqipot	0.002* (0.001)	0.001 (0.002)
XSt	-0.003 (0.003)	0.046*** (0.010)
XSt-1	-0.001 (0.002)	-0.009** (0.004)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 13.086, df = 5, p-value = 0.02259
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	0.007 (0.018)	0.120*** (0.035)
Años contratot	0.008 (0.010)	0.153*** (0.048)

Equipot	0.002*	0.004
	(0.001)	(0.003)
XS02t	0.013	-0.005
	(0.015)	(0.048)
XS02t-1	-0.030*	-0.014
	(0.016)	(0.022)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 9.2912, df = 5, p-value = 0.098

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.003	0.111**
	(0.018)	(0.037)
Años contratot	0.003	0.140**
	(0.008)	(0.052)
Equipot	0.002	0.003
	(0.001)	(0.003)
XS0t	0.005	-0.005
	(0.021)	(0.040)
XS0t-1	-0.047*	-0.005
	(0.025)	(0.016)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 14.55, df = 5, p-value = 0.01247

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.0003 (0.018)	0.099* (0.051)
Años contratot	-0.001 (0.009)	0.126* (0.070)
Eqipot	0.002* (0.001)	0.002 (0.006)
XWAR2t	0.001 (0.0004)	0.0005 (0.001)
XWAR2t-1	0.001 (0.0003)	-0.0002 (0.001)

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 17.659, df = 5, p-value = 0.003405
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.003 (0.019)	0.094* (0.049)
Años contratot	0.001 (0.012)	0.104 (0.066)
Eqipot	0.001 (0.001)	0.007 (0.004)
XWArt	0.005 (0.003)	0.002 (0.004)
XWArt-1	0.006* (0.003)	0.009*** (0.002)

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 22.669, df = 5, p-value = 0.0003904
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Within)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.003 (0.020)	0.123* (0.058)
Años contratot	0.003 (0.012)	0.141* (0.075)
Eqipot	0.002* (0.001)	0.005 (0.004)
XWHIP2t	-0.004 (0.006)	0.009*** (0.002)
XWHIP2t-1	0.001 (0.005)	0.008 (0.007)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 8.3385, df = 5, p-value = 0.1385

alternative hypothesis: one model is inconsistent

Efectos aleatorios

Bateadores

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.23298165	0.15218253	1.5309	0.1270
Edad_t	-0.00813961	0.00514685	-1.5815	0.1150
Anios_de_contrato_t	-0.01206878	0.01080499	-1.1170	0.2650
team_num_t	0.00067624	0.00091388	0.7400	0.4600
X_At_bats_t	-0.00042638	0.00080174	-0.5318	0.5953
X_At_bats_t_1	-0.00020215	0.00085886	-0.2354	0.8141

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.008 (0.005)	-0.008*** (0.003)
Años contratot	-0.012 (0.011)	-0.015 (0.025)
Eqipot	0.001 (0.001)	0.003* (0.002)
XABt	-0.0004 (0.001)	0.003* (0.002)
XABt-1	-0.0002 (0.001)	0.0003 (0.002)
Agentet	0.233 (0.152)	0.251** (0.116)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 11.713, df = 5, p-value = 0.03893
 alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.0874e-01	1.4596e-01	1.4300	0.1539
Edad_t	-7.4153e-03	4.9172e-03	-1.5080	0.1328
Anios_de_contrato_t	-1.1520e-02	1.0859e-02	-1.0609	0.2897
team_num_t	5.9238e-04	9.1027e-04	0.6508	0.5158
X_Bateos_2_t	-1.9080e-04	1.2966e-04	-1.4715	0.1424
X_Bateos_2_t_1	9.0507e-05	8.2322e-05	1.0994	0.2726

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

Dependent variable:		
	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007 (0.005)	-0.009*** (0.003)
Años contratot	-0.012 (0.011)	-0.015 (0.024)

```

Equipot          0.001          0.003*
                 (0.001)        (0.002)
XAB2t            -0.0002        0.001**
                 (0.0001)      (0.0004)
XAB2t-1          0.0001        -0.0004
                 (0.0001)      (0.0003)
Agentet          0.209          0.278**
                 (0.146)        (0.107)
=====
=====
Note:             *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 10.299, df = 5, p-value = 0.06719
alternative hypothesis: one model is inconsistent

```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.22586645	0.14642803	1.5425	0.12417
Edad_t	-0.00797190	0.00499472	-1.5961	0.11169
Anios_de_contrato_t	-0.01171523	0.01088329	-1.0764	0.28273
team_num_t	0.00076325	0.00087588	0.8714	0.38433
X_Bateos_t	-0.00217031	0.00125416	-1.7305	0.08473
X_Bateos_t_1	0.00011938	0.00123219	0.0969	0.92290

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
                (1)                (2)
-----
Edadt            -0.008            -0.008***
                 (0.005)            (0.003)
Años contratot   -0.012            -0.016
                 (0.011)            (0.026)
Equipot          0.001            0.003**
                 (0.001)            (0.002)
XHt              -0.002*           0.006
                 (0.001)            (0.004)
XHt-1            0.0001            0.001
                 (0.001)            (0.004)
Agentet          0.226            0.251**

```

```

(0.146)      (0.112)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 10.047, df = 5, p-value = 0.07392
alternative hypothesis: one model is inconsistent

t test of coefficients:

              Estimate Std. Error t value Pr(>|t|)
(Intercept)    0.19959126  0.15026720  1.3282  0.18526
Edad_t         -0.00743447  0.00506452 -1.4680  0.14333
Anios_de_contrato_t -0.01282847  0.01055348 -1.2156  0.22525
team_num_t      0.00083052  0.00091388  0.9088  0.36431
X_Bateos_promedio_t -0.01259034  0.02230496 -0.5645  0.57293
X_Bateos_promedio_t_1 0.04419900  0.02574526  1.7168  0.08721 .
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          -0.007          -0.008***
                (0.005)         (0.003)
Años contratot -0.013          -0.009
                (0.011)         (0.026)
Equipot        0.001           0.004*
                (0.001)         (0.002)
XH2t           -0.013          -0.045
                (0.022)         (0.056)
XH2t-1         0.044*          0.051
                (0.026)         (0.040)
Agentet        0.200           0.236**
                (0.150)         (0.103)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 3.1669, df = 5, p-value = 0.6743
alternative hypothesis: one model is inconsistent
```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.19395369	0.15121231	1.2827	0.2008
Edad_t	-0.00698411	0.00509814	-1.3699	0.1719
Anios_de_contrato_t	-0.01216901	0.01040435	-1.1696	0.2432
team_num_t	0.00057337	0.00088821	0.6455	0.5191
X_Bateos_promedio_2_t	-0.04677970	0.03727052	-1.2551	0.2106
X_Bateos_promedio_2_t_1	0.03977767	0.02564118	1.5513	0.1220

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007 (0.005)	-0.007*** (0.003)
Años contratot	-0.012 (0.010)	-0.007 (0.028)
Equipot	0.001 (0.001)	0.004* (0.002)
XBA_t	-0.047 (0.037)	-0.083 (0.088)
XBA_t-1	0.040 (0.026)	-0.006 (0.034)
Agentet	0.194 (0.151)	0.195* (0.111)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 0.09251, df = 5, p-value = 0.9999
alternative hypothesis: one model is inconsistent
```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.21650421	0.14983908	1.4449	0.1497
Edad_t	-0.00756270	0.00510894	-1.4803	0.1400
Anios_de_contrato_t	-0.01335935	0.01079912	-1.2371	0.2172
team_num_t	0.00060141	0.00088033	0.6832	0.4951
X_Home_runs_t	0.00107807	0.00487178	0.2213	0.8250
X_Home_runs_t_1	0.00068088	0.00314656	0.2164	0.8289

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
(1)                (2)
-----
Edadt              -0.008          -0.007***
                   (0.005)         (0.003)
Años contratot     -0.013          -0.025
                   (0.011)         (0.025)
Equipot            0.001           0.003*
                   (0.001)         (0.002)
XBA2t              0.001           0.021**
                   (0.005)         (0.010)
XBA2t-1            0.001           0.016**
                   (0.003)         (0.007)
Agentet            0.217           0.248**
                   (0.150)         (0.113)
=====
=====

```

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 12.381, df = 5, p-value = 0.02993

alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.20709968	0.14436921	1.4345	0.1526
Edad_t	-0.00732079	0.00497698	-1.4709	0.1425
Anios_de_contrato_t	-0.01279084	0.01192645	-1.0725	0.2845
team_num_t	0.00065570	0.00089956	0.7289	0.4667
X_Home_runs_2_t	-0.00044148	0.00091705	-0.4814	0.6306
X_Home_runs_2_t_1	0.00044396	0.00067863	0.6542	0.5136

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.007	-0.007**
	(0.005)	(0.003)
Años contratot	-0.013	-0.017
	(0.012)	(0.028)
Eqipot	0.001	0.004**
	(0.001)	(0.002)
XDt	-0.0004	-0.002
	(0.001)	(0.005)
XDt-1	0.0004	-0.002
	(0.001)	(0.002)
Agentet	0.207	0.197*
	(0.144)	(0.118)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 2.9793, df = 5, p-value = 0.7032

alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.23446318	0.15269634	1.5355	0.1259
Edad_t	-0.00819320	0.00517467	-1.5833	0.1146
Anios_de_contrato_t	-0.01213999	0.01080593	-1.1235	0.2623
team_num_t	0.00066360	0.00091514	0.7251	0.4690
X_Juegos_iniciados_t	-0.00103273	0.00148343	-0.6962	0.4869
X_Juegos_iniciados_t_1	-0.00029708	0.00161726	-0.1837	0.8544

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.008	-0.008***
	(0.005)	(0.003)
Años contratot	-0.012	-0.016
	(0.011)	(0.027)
Eqipot	0.001	0.004*
	(0.001)	(0.002)
XD2t	-0.001	0.005
	(0.001)	(0.004)
XD2t-1	-0.0003	0.001
	(0.002)	(0.004)
Agentet	0.234	0.243**
	(0.153)	(0.119)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 7.749, df = 5, p-value = 0.1706

alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.20674545	0.15160192	1.3637	0.1738
Edad_t	-0.00749602	0.00504404	-1.4861	0.1385
Anios_de_contrato_t	-0.01388757	0.01082147	-1.2833	0.2005
team_num_t	0.00074447	0.00089566	0.8312	0.4066
X_Porcentaje_On_base_plus_slugging_t	-0.01537803	0.01295373	-1.1872	0.2363
X_Porcentaje_On_base_plus_slugging_t_1	0.02366300	0.02173902	1.0885	0.2774

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007	-0.008***
	(0.005)	(0.003)
Años contratot	-0.014	-0.010
	(0.011)	(0.026)
Eqipot	0.001	0.004**
	(0.001)	(0.002)
XHRt	-0.015	-0.001
	(0.013)	(0.041)
XHRt-1	0.024	-0.028

```

(0.022)      (0.023)
Agentet      0.207      0.227**
(0.152)      (0.108)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 6.6296, df = 5, p-value = 0.2497
alternative hypothesis: one model is inconsistent

```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.20236622	0.15054290	1.3442	0.1800
Edad_t	-0.00743461	0.00503614	-1.4763	0.1411
Anios_de_contrato_t	-0.01447512	0.01078147	-1.3426	0.1806
team_num_t	0.00076208	0.00087652	0.8694	0.3854
X_Porcentaje_on_base_t	-0.01205993	0.03264452	-0.3694	0.7121
X_Porcentaje_on_base_t_1	0.04307916	0.03031819	1.4209	0.1565

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
(1)                (2)
-----
Edadt              -0.007      -0.008***
(0.005)            (0.003)
Años contratot     -0.014      -0.007
(0.011)            (0.027)
Equipot            0.001       0.003*
(0.001)            (0.002)
XHR2t              -0.012      -0.058
(0.033)            (0.060)
XHR2t-1            0.043       0.036
(0.030)            (0.040)
Agentet            0.202       0.236**
(0.151)            (0.108)
=====
=====

```

```

Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 5.8881, df = 5, p-value = 0.3173
alternative hypothesis: one model is inconsistent
```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.20697302	0.14829998	1.3956	0.1640
Edad_t	-0.00739562	0.00502007	-1.4732	0.1419
Anios_de_contrato_t	-0.01316244	0.01074052	-1.2255	0.2215
team_num_t	0.00066985	0.00091060	0.7356	0.4626
X_Porcentaje_on_base_2_t	-0.00713576	0.03926458	-0.1817	0.8559
X_Porcentaje_on_base_2_t_1	0.03476448	0.02761710	1.2588	0.2092

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007 (0.005)	-0.007*** (0.003)
Años contratot	-0.013 (0.011)	-0.009 (0.027)
Equipot	0.001 (0.001)	0.004** (0.002)
XGSt	-0.007 (0.039)	-0.076 (0.075)
XGSt-1	0.035 (0.028)	0.00001 (0.042)
Agentet	0.207 (0.148)	0.198* (0.112)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 2.8848, df = 5, p-value = 0.7177
alternative hypothesis: one model is inconsistent
```

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.21483978	0.14710882	1.4604	0.1454
Edad_t	-0.00765543	0.00502615	-1.5231	0.1289
Anios_de_contrato_t	-0.01091281	0.01089617	-1.0015	0.3175
team_num_t	0.00079001	0.00091411	0.8642	0.3883
X_Runs_batted_in_t	-0.00307049	0.00180209	-1.7038	0.0896
X_Runs_batted_in_t_1	0.00142636	0.00171407	0.8321	0.4061

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.008 (0.005)	-0.008*** (0.003)
Años contratot	-0.011 (0.011)	-0.024 (0.028)
Equipot	0.001 (0.001)	0.003 (0.002)
XGS2t	-0.003* (0.002)	0.008 (0.005)
XGS2t-1	0.001 (0.002)	0.004 (0.005)
Agentet	0.215 (0.147)	0.267** (0.112)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 10.464, df = 5, p-value = 0.0631

alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.21000686	0.14657253	1.4328	0.1531
Edad_t	-0.00734867	0.00495372	-1.4835	0.1392
Anios_de_contrato_t	-0.01242060	0.01043153	-1.1907	0.2349
team_num_t	0.00043664	0.00092884	0.4701	0.6387
X_Triples_t	-0.00750583	0.01087465	-0.6902	0.4907
X_Triples_t_1	0.01553773	0.00895467	1.7352	0.0839

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007 (0.005)	-0.008*** (0.003)
Años contratot	-0.012 (0.010)	-0.015 (0.027)
Eqipot	0.0004 (0.001)	0.004* (0.002)
XOPSt	-0.008 (0.011)	-0.005 (0.040)
XOPSt-1	0.016* (0.009)	0.011 (0.035)
Agentet	0.210 (0.147)	0.251** (0.123)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 2.126, df = 5, p-value = 0.8315
alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.21065261	0.14921438	1.4117	0.1592
Edad_t	-0.00743279	0.00503890	-1.4751	0.1414
Anios_de_contrato_t	-0.01255542	0.01060511	-1.1839	0.2375
team_num_t	0.00062495	0.00088858	0.7033	0.4825
X_Triples_2_t	-0.00033286	0.00424605	-0.0784	0.9376
X_Triples_2_t_1	0.00111222	0.00133640	0.8323	0.4060

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.007 (0.005)	-0.008*** (0.002)
Años contratot	-0.013 (0.011)	-0.005 (0.020)
Eqipot	0.001 (0.001)	0.004*** (0.001)
XOPS2t	-0.0003 (0.004)	0.039 (0.031)
XOPS2t-1	0.001 (0.001)	0.020* (0.010)
Agentet	0.211 (0.149)	0.247*** (0.083)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 13.049, df = 5, p-value = 0.02292
 alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.27988134	0.13937756	2.0081	0.045669 *
Edad_t	-0.00908894	0.00470776	-1.9306	0.054616 .
Anios_de_contrato_t	-0.01696385	0.01068681	-1.5874	0.113646
team_num_t	0.00079385	0.00086411	0.9187	0.359107
X_WAR_t	0.02089586	0.00787592	2.6531	0.008466 **
X_WAR_t_1	0.01875031	0.00922125	2.0334	0.043030 *

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.009* (0.005)	-0.012*** (0.002)
Años contratot	-0.017	-0.031

	(0.011)	(0.024)
Equipot	0.001	0.004**
	(0.001)	(0.002)
XOBPt	0.021***	0.060***
	(0.008)	(0.016)
XOBPt-1	0.019**	0.015
	(0.009)	(0.020)
Agentet	0.280**	0.394***
	(0.139)	(0.100)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 7.1932, df = 5, p-value = 0.2067

alternative hypothesis: one model is inconsistent

t test of coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.25661151	0.13458928	1.9066	0.05767 .
Edad_t	-0.00856865	0.00455832	-1.8798	0.06126 .
Anios_de_contrato_t	-0.01262751	0.01118863	-1.1286	0.26011
team_num_t	0.00053418	0.00090818	0.5882	0.55692
X_WAR_2_t	0.00561430	0.00510592	1.0996	0.27254
X_WAR_2_t_1	0.00832851	0.00579709	1.4367	0.15201

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

[1] "Remaining years:"

Bateadores regulares: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.009*	-0.006**
	(0.005)	(0.002)
Años contratot	-0.013	-0.031
	(0.011)	(0.022)
Equipot	0.001	0.004**
	(0.001)	(0.002)
XOBP2t	0.006	0.060***
	(0.005)	(0.021)
XOBP2t-1	0.008	0.008*
	(0.006)	(0.004)

```

Agentet          0.257*          0.219**
                  (0.135)         (0.096)
=====
=====

```

```

Note:             *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 11.987, df = 5, p-value = 0.03497
alternative hypothesis: one model is inconsistent

```

Starting pitcher

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
              (1)              (2)
-----
Edadt          -0.009          -0.005
                (0.009)        (0.011)
Años contratot -0.002          -0.023
                (0.012)        (0.014)
Equipot        0.002*          0.001
                (0.001)        (0.004)
XH2t           -0.0002         0.0002
                (0.0001)       (0.0001)
XH2t-1         -0.0001        -0.0002
                (0.0001)       (0.0002)
Agentet        0.291          0.127
                (0.291)        (0.340)
=====
=====

```

```

Note:             *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 10.023, df = 5, p-value = 0.07458
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

```


	Primeros dos años (1)	Años restantes (2)
Edadt	-0.011 (0.008)	-0.005 (0.012)
Años contratot	-0.017 (0.012)	-0.018 (0.013)
Eqipot	0.003** (0.001)	0.003 (0.003)
XHt	0.003 (0.003)	0.002** (0.001)
XHt-1	-0.0005 (0.001)	0.003 (0.003)
Agentet	0.354 (0.275)	0.064 (0.398)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 8.1801, df = 5, p-value = 0.1466
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.010 (0.009)	-0.005 (0.011)
Años contratot	-0.010 (0.010)	-0.014 (0.014)
Eqipot	0.003** (0.001)	0.001 (0.004)
XR2t	-0.0001 (0.0003)	0.001** (0.0003)
XR2t-1	-0.00005 (0.0001)	-0.0003 (0.0004)
Agentet	0.308 (0.296)	0.098 (0.312)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 6.7425, df = 5, p-value = 0.2405
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.009 (0.009)	-0.004 (0.012)
Años contratot	-0.007 (0.011)	-0.013 (0.013)
Equipot	0.002* (0.001)	0.002 (0.003)
XER2t	-0.003 (0.002)	0.004*** (0.001)
XER2t-1	0.001 (0.002)	0.003 (0.003)
Agentet	0.295 (0.288)	0.059 (0.373)
Note: *p<0.1; **p<0.05; ***p<0.01		
[1] ""		
[1] "Test para cambio estructural entre periodos:"		

Hausman Test

```
data: formula
chisq = 22.724, df = 5, p-value = 0.0003812
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.008 (0.008)	-0.004 (0.012)
Años contratot	-0.010 (0.012)	-0.021* (0.012)
Equipot	0.002* (0.001)	0.0001 (0.001)

	(0.001)	(0.003)
XERt	0.0004	-0.004
	(0.011)	(0.010)
XERt-1	-0.023**	0.004
	(0.010)	(0.007)
Agentet	0.256	0.101
	(0.274)	(0.372)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 8.6474, df = 5, p-value = 0.124

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.010	-0.005
	(0.009)	(0.012)
Años contratot	-0.010	-0.013
	(0.012)	(0.014)
Equipot	0.003*	0.002
	(0.001)	(0.002)
XRt	-0.001	0.003**
	(0.002)	(0.001)
XRt-1	0.001	0.003
	(0.002)	(0.003)
Agentet	0.310	0.091
	(0.289)	(0.374)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 22.589, df = 5, p-value = 0.0004045

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
                        -----
Edadt                  -0.010            -0.005
                        (0.009)            (0.009)
Años contratot        -0.011            -0.056
                        (0.010)            (0.037)
Equipot               0.003**            0.002
                        (0.001)            (0.003)
XComando2t            0.001             -0.044*
                        (0.005)            (0.024)
XComando2t-1          -0.00000           0.024
                        (0.00000)          (0.019)
Agentet               0.310             0.139
                        (0.298)            (0.301)
=====
=====
Note:                  *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 7.0527, df = 5, p-value = 0.2168
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
                        -----
Edadt                  -0.009            -0.001
                        (0.010)            (0.010)
Años contratot        -0.013            -0.015
                        (0.010)            (0.014)
Equipot               0.002*            -0.001
                        (0.001)            (0.004)
XComandot             0.010             -0.018
                        (0.016)            (0.030)
XComandot-1           -0.0001           -0.020
                        (0.0003)            (0.039)
Agentet               0.306             -0.009
                        (0.296)            (0.330)
=====
=====

```

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 2.4307, df = 5, p-value = 0.7869
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.011 (0.009)	-0.007 (0.009)
Años contratot	-0.008 (0.011)	-0.024* (0.013)
Equipot	0.003** (0.001)	-0.0005 (0.003)
XControl2t	-0.114** (0.054)	0.385*** (0.089)
XControl2t-1	-0.086*** (0.019)	-0.374*** (0.084)
Agentet	0.300 (0.282)	0.202 (0.280)

Note: *p<0.1; **p<0.05; ***p<0.01
 [1] ""
 [1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
 chisq = 34.08, df = 5, p-value = 2.295e-06
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		
	Primeros dos años	Años restantes
	(1)	(2)
Edadt	-0.009 (0.008)	-0.005 (0.009)

Años contratot	-0.014 (0.012)	-0.005 (0.018)
Equipot	0.002* (0.001)	0.007** (0.003)
XControlt	0.028 (0.040)	0.100 (0.066)
XControlt-1	-0.077* (0.039)	-0.232*** (0.081)
Agentet	0.274 (0.270)	0.014 (0.299)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.9098, df = 5, p-value = 0.5625

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.009 (0.008)	-0.011 (0.010)
Años contratot	-0.011 (0.012)	-0.027 (0.020)
Equipot	0.003** (0.001)	0.001 (0.003)
XDominio2t	0.006 (0.034)	-0.022 (0.039)
XDominio2t-1	0.056*** (0.019)	-0.075 (0.053)
Agentet	0.285 (0.269)	0.314 (0.356)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 624.66, df = 5, p-value < 2.2e-16

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.008 (0.008)	-0.020 (0.014)
Años contratot	-0.013 (0.011)	-0.028 (0.018)
Eqipot	0.002* (0.001)	0.004 (0.004)
XDominiot	0.011 (0.022)	-0.089 (0.098)
XDominiot-1	0.062*** (0.022)	-0.059 (0.080)
Agentet	0.289 (0.270)	0.550 (0.456)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 43.099, df = 5, p-value = 3.528e-08

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.009 (0.009)	-0.005 (0.012)
Años contratot	-0.003 (0.011)	-0.026 (0.024)
Eqipot	0.003** (0.001)	0.002 (0.004)
XERA2t	-0.0002 (0.0001)	0.0003** (0.0001)
XERA2t-1	0.00003 (0.0001)	0.0001 (0.0002)
Agentet	0.264	0.088

```

(0.297)      (0.361)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 17.181, df = 5, p-value = 0.004169
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.009      -0.004
                  (0.009)      (0.011)
Años contratot     -0.008      -0.024
                  (0.012)      (0.015)
Equipot            0.003**      0.0002
                  (0.001)      (0.004)
XERAt              -0.001      0.002
                  (0.001)      (0.002)
XERAt-1            0.001      -0.0003
                  (0.001)      (0.003)
Agentet            0.280      0.099
                  (0.299)      (0.345)
=====
=====

```

```

Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 4.6392, df = 5, p-value = 0.4615
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)

```



```

-----
Edadt                -0.010        -0.005
                    (0.009)        (0.011)
Años contratot      -0.010        -0.021
                    (0.009)        (0.013)
Eqipot              0.003*         0.002
                    (0.001)        (0.003)
XIP2t               -0.002         0.006*
                    (0.002)        (0.003)
XIP2t-1             0.0003        -0.002
                    (0.001)        (0.004)
Agentet             0.309         0.114
                    (0.289)        (0.360)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 4.9287, df = 5, p-value = 0.4246
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt      -0.011      -0.006
          (0.009)      (0.012)
Años contratot -0.010      -0.024
          (0.010)      (0.014)
Eqipot      0.003**     -0.0002
          (0.001)      (0.003)
XIPt        0.261***     0.056***
          (0.062)      (0.019)
XIPt-1      0.027***     0.212**
          (0.010)      (0.081)
Agentet      0.353       0.177
          (0.297)      (0.377)
=====
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 2.1524, df = 5, p-value = 0.8277
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.011 (0.009)	-0.006 (0.012)
Años contratot	-0.011 (0.010)	-0.024 (0.015)
Eqipot	0.003** (0.001)	-0.0002 (0.003)
XL2t	0.142*** (0.043)	0.036** (0.013)
XL2t-1	0.057** (0.022)	0.064 (0.043)
Agentet	0.358 (0.297)	0.177 (0.379)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

```
data: formula
chisq = 2.3385, df = 5, p-value = 0.8006
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.010 (0.008)	-0.002 (0.012)
Años contratot	-0.009 (0.011)	-0.026 (0.020)
Eqipot	0.003** (0.001)	0.002 (0.004)
XDLt	-0.0001* (0.0001)	0.0003*** (0.0001)

XLt-1	0.0002	0.0001
	(0.0002)	(0.0002)
Agentet	0.308	0.026
	(0.278)	(0.379)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 13.204, df = 5, p-value = 0.02154

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.010	-0.002
	(0.009)	(0.012)
Años contratot	-0.017	-0.027
	(0.011)	(0.020)
Eqipot	0.003**	0.001
	(0.001)	(0.004)
XS2t	0.001	0.001
	(0.001)	(0.002)
XS2t-1	0.002	0.001
	(0.001)	(0.002)
Agentet	0.324	0.044
	(0.294)	(0.351)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.188, df = 5, p-value = 0.671

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.010 (0.009)	-0.008 (0.010)
Años contratot	-0.012 (0.011)	-0.007 (0.034)
Eqipot	0.002* (0.001)	0.001 (0.004)
XSt	-0.001 (0.003)	0.029* (0.017)
XSt-1	0.004 (0.004)	-0.007 (0.006)
Agentet	0.330 (0.290)	0.202 (0.282)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 2.1496, df = 5, p-value = 0.8281

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.006 (0.008)	-0.007 (0.009)
Años contratot	-0.011 (0.013)	-0.026 (0.018)
Eqipot	0.003* (0.001)	-0.002 (0.006)
XS02t	-0.006 (0.015)	0.038 (0.033)
XS02t-1	-0.041*** (0.013)	0.002 (0.029)
Agentet	0.169 (0.272)	0.244 (0.277)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 4.7346, df = 5, p-value = 0.4491
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.008	-0.006
	(0.008)	(0.010)
Años contratot	-0.014	-0.021
	(0.012)	(0.015)
Equipot	0.003**	-0.001
	(0.001)	(0.005)
XSt	-0.004	0.023
	(0.017)	(0.034)
XSt-1	-0.047**	-0.001
	(0.018)	(0.026)
Agentet	0.250	0.192
	(0.273)	(0.305)

Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 5.7543, df = 5, p-value = 0.3309
alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

Dependent variable:		

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.009	-0.003
	(0.009)	(0.010)
Años contratot	-0.010	-0.019
	(0.010)	(0.013)
Equipot	0.003**	0.002

	(0.001)	(0.005)
XWAR2t	0.0001	0.001*
	(0.0003)	(0.001)
XWAR2t-1	0.0002	0.0002
	(0.0003)	(0.001)
Agentet	0.290	0.027
	(0.288)	(0.299)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 6.3346, df = 5, p-value = 0.275

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.010	-0.004
	(0.009)	(0.011)
Años contratot	-0.011	-0.036
	(0.012)	(0.021)
Eqipot	0.003*	0.004
	(0.001)	(0.003)
XWArt	0.001	0.004
	(0.003)	(0.003)
XWArt-1	0.001	0.008
	(0.003)	(0.005)
Agentet	0.313	0.046
	(0.307)	(0.369)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 6.3998, df = 5, p-value = 0.2692

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (Random Effects)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.009 -0.004
(0.009) (0.011)
Años contratot -0.003 -0.028
(0.012) (0.022)
Eqipot 0.003** 0.001
(0.001) (0.004)
XWHIP2t -0.008 0.005
(0.005) (0.007)
XWHIP2t-1 -0.0001 0.003
(0.005) (0.010)
Agentet 0.257 0.096
(0.301) (0.340)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 9.2149, df = 5, p-value = 0.1008
alternative hypothesis: one model is inconsistent

```

First Differences

Bateadores

Se obtendrán las estimaciones de las variables referentes a estadísticas deportivas sin controles

Bateadores regulares: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt 0.011 -0.016***
(0.009) (0.0004)
Años contratot -0.019** -0.062***
(0.008) (0.003)
Eqipot 0.001 0.006***
(0.001) (0.001)
XABt 0.001 0.003**
(0.001) (0.001)

```

XABt-1	0.001	0.002*
	(0.001)	(0.001)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 4.4892, df = 5, p-value = 0.4813

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)
-----	-----	-----
Edadt	0.007	-0.015***
	(0.008)	(0.001)
Años contratot	-0.018**	-0.082***
	(0.009)	(0.004)
Eqipot	0.001	0.005***
	(0.001)	(0.001)
XAB2t	-0.0001	0.001
	(0.0001)	(0.0003)
XAB2t-1	0.00002	0.0001
	(0.0001)	(0.0003)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.652, df = 5, p-value = 0.8949

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)
-----	-----	-----

Edadt	0.008	-0.016***
	(0.009)	(0.0003)
Años contratot	-0.019**	-0.077***
	(0.009)	(0.011)
Eqipot	0.001	0.005***
	(0.001)	(0.001)
XHt	-0.0002	0.004
	(0.001)	(0.003)
XHt-1	0.001	0.002
	(0.001)	(0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.2242, df = 5, p-value = 0.9425

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.007	-0.015***
	(0.008)	(0.0004)
Años contratot	-0.021**	-0.075***
	(0.009)	(0.007)
Eqipot	0.002**	0.006***
	(0.001)	(0.001)
XH2t	0.050***	-0.014
	(0.019)	(0.025)
XH2t-1	0.071***	-0.039***
	(0.025)	(0.006)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 0.28455, df = 5, p-value = 0.9979

alternative hypothesis: one model is inconsistent

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.007      -0.015***
               (0.008)    (0.001)
Años contratot -0.018**   -0.071***
               (0.008)    (0.012)
Eqipot         0.001      0.005***
               (0.001)    (0.001)
XBAAt          -0.020     -0.084
               (0.050)    (0.071)
XBAAt-1        0.041*     0.013
               (0.023)    (0.024)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 5.4046, df = 5, p-value = 0.3685
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.007      -0.015***
               (0.010)    (0.001)
Años contratot -0.020**   -0.081***
               (0.009)    (0.010)
Eqipot         0.001      0.005***
               (0.001)    (0.001)
XBA2t          0.003      0.030***
               (0.004)    (0.006)
XBA2t-1        0.002      0.019**
               (0.003)    (0.008)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 9.1154, df = 5, p-value = 0.1045
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.009      -0.016***
               (0.009)    (0.0004)
Años contratot -0.018*     -0.069***
               (0.010)    (0.010)
Eqipot         0.001      0.006***
               (0.001)    (0.001)
XDt            -0.0005     0.007**
               (0.001)    (0.003)
XDt-1          0.001      0.007**
               (0.001)    (0.003)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 5.0022, df = 5, p-value = 0.4156
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.011      -0.015***
               (0.009)    (0.0004)
Años contratot -0.019**     -0.081***
               (0.008)    (0.010)
Eqipot         0.001      0.006***
               (0.001)    (0.001)
XD2t           0.002      0.008*
```

```

                (0.001)      (0.004)
XD2t-1          0.002      0.005*
                (0.001)      (0.003)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 0.25077, df = 5, p-value = 0.9985
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
      (1)          (2)
-----
Edadt      0.007      -0.015***
            (0.008)      (0.001)
Años contratot -0.023** -0.078***
            (0.009)      (0.007)
Eqipot      0.002**      0.006***
            (0.001)      (0.0005)
XHRt        0.018**      0.017
            (0.009)      (0.016)
XHRt-1      0.057**      -0.057***
            (0.022)      (0.008)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 0.70247, df = 5, p-value = 0.9828
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
      (1)          (2)

```

```

-----
Edadt          0.008          -0.015***
               (0.008)        (0.0005)
Años contratot -0.023**       -0.079***
               (0.009)        (0.008)
Eqipot         0.002**       0.006***
               (0.001)        (0.0005)
XHR2t          0.061*        0.004
               (0.035)        (0.033)
XHR2t-1        0.099***      -0.048***
               (0.031)        (0.012)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 11.857, df = 5, p-value = 0.03681
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
          (1)          (2)
-----
Edadt          0.009          -0.015***
               (0.008)        (0.001)
Años contratot -0.022**       -0.071***
               (0.010)        (0.012)
Eqipot         0.002***       0.006***
               (0.001)        (0.001)
XGSt           0.158***       -0.029
               (0.053)        (0.050)
XGSt-1         0.024         -0.052***
               (0.023)        (0.012)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 8.9246, df = 5, p-value = 0.1121
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
-----
Edadt                  0.008              -0.015***
                        (0.008)            (0.0003)
Años contratot        -0.018**           -0.088***
                        (0.009)            (0.009)
Eqipot                0.001              0.006***
                        (0.001)            (0.001)
XGS2t                 -0.001              0.008
                        (0.001)            (0.005)
XGS2t-1               0.003*             0.006*
                        (0.001)            (0.003)
=====
=====
Note:                  *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 4.5016, df = 5, p-value = 0.4797
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

```
=====
                        Dependent variable:
                        -----

                        Primeros dos años Años restantes
                        (1)                (2)
-----
Edadt                  0.006              -0.012***
                        (0.009)            (0.001)
Años contratot        -0.018**           -0.072***
                        (0.009)            (0.013)
Eqipot                0.001              0.004***
                        (0.001)            (0.0005)
XOPSt                 0.001              -0.045***
                        (0.013)            (0.008)
XOPSt-1               0.005              -0.015
                        (0.013)            (0.014)
=====
=====
Note:                  *p<0.1; **p<0.05; ***p<0.01
[1] ""
```

```
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 27.246, df = 5, p-value = 5.109e-05
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.006 (0.009)	-0.015*** (0.0005)
Años contratot	-0.017** (0.009)	-0.035*** (0.004)
Equipot	0.001 (0.001)	0.006*** (0.0005)
XOPS2t	0.002 (0.004)	0.120*** (0.010)
XOPS2t-1	0.004 (0.005)	0.026*** (0.002)

=====

=====

Note: *p<0.1; **p<0.05; ***p<0.01

```
[1] ""
```

```
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 47.959, df = 5, p-value = 3.621e-09
alternative hypothesis: one model is inconsistent
```

Bateadores regulares: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.003 (0.008)	-0.025*** (0.001)
Años contratot	-0.024** (0.009)	-0.076*** (0.008)
Equipot	0.001* (0.001)	0.007*** (0.001)

```

XOBPt          0.020***      0.054***
                (0.007)      (0.004)
XOBPt-1         0.009        0.058***
                (0.009)      (0.004)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 11.073, df = 5, p-value = 0.04995
alternative hypothesis: one model is inconsistent

```

Bateadores regulares: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años  Años restantes
                (1)      (2)
-----
Edadt           0.005      -0.016***
                (0.007)      (0.001)
Años contratot  -0.020*     -0.056***
                (0.010)      (0.002)
Equipot         0.001      0.005***
                (0.001)      (0.001)
XOBP2t          0.004      0.063***
                (0.005)      (0.013)
XOBP2t-1        0.008      -0.019**
                (0.006)      (0.008)
=====
=====
Note:           *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 23.62, df = 5, p-value = 0.0002568
alternative hypothesis: one model is inconsistent

```

Starting pitcher

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

```


	Primeros dos años (1)	Años restantes (2)
Edadt	-0.004 (0.016)	0.070*** (0.022)
Años contratot	0.001 (0.006)	0.096*** (0.028)
Eqipot	0.002** (0.001)	0.002 (0.001)
XH2t	-0.00004 (0.0001)	-0.00005 (0.00003)
XH2t-1	0.00000 (0.0001)	-0.0001 (0.0001)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.5504, df = 5, p-value = 0.9072

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.005 (0.012)	0.054** (0.022)
Años contratot	-0.020** (0.008)	0.078** (0.029)
Eqipot	0.003*** (0.001)	0.004*** (0.001)
XHt	0.006*** (0.002)	-0.002** (0.001)
XHt-1	-0.0001 (0.001)	0.003*** (0.001)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 13.252, df = 5, p-value = 0.02113
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.002 0.070**
      (0.014) (0.023)
Años contratot -0.001 0.093**
      (0.006) (0.031)
Eqipot 0.002** 0.002
      (0.001) (0.002)
XR2t -0.0002 -0.00004
      (0.0001) (0.0001)
XR2t-1 0.0002 0.00002
      (0.0001) (0.0001)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
 chisq = 1.9911, df = 5, p-value = 0.8504
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt 0.002 0.067**
      (0.014) (0.024)
Años contratot -0.002 0.091**
      (0.006) (0.032)
Eqipot 0.002** 0.005**
      (0.001) (0.002)
XER2t 0.001 -0.002
      (0.001) (0.001)
XER2t-1 0.003** 0.004**
      (0.001) (0.002)
=====
```

```
=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 1.1871, df = 5, p-value = 0.9461
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
```

	Dependent variable:	

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.002	0.106***
	(0.012)	(0.027)
Años contratot	0.008	0.138***
	(0.007)	(0.035)
Equipot	0.001	0.005***
	(0.001)	(0.001)
XERt	0.020**	-0.023***
	(0.008)	(0.007)
XERt-1	-0.012*	0.003***
	(0.007)	(0.001)

```
=====
=====
```

```
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 8.394, df = 5, p-value = 0.1358
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
```

	Dependent variable:	

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.003	0.055**
	(0.014)	(0.020)
Años contratot	-0.008	0.074**

	(0.007)	(0.027)
Eqipot	0.002**	0.003**
	(0.001)	(0.001)
XRt	0.003**	-0.002
	(0.001)	(0.001)
XRt-1	0.003**	0.003*
	(0.001)	(0.001)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 0.033692, df = 5, p-value = 1

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.005	0.084**
	(0.016)	(0.030)
Años contratot	-0.0001	0.113**
	(0.005)	(0.039)
Eqipot	0.002***	0.004*
	(0.001)	(0.002)
XComando2t	-0.003	-0.021**
	(0.005)	(0.007)
XComando2t-1	0.00000	-0.002**
	(0.00000)	(0.001)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.1627, df = 5, p-value = 0.9484

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

=====

Dependent variable:

```

-----
                Primeros dos años  Años restantes
                  (1)                (2)
-----
Edadt            -0.001             0.083***
                  (0.016)           (0.027)
Años contratot   -0.007             0.108***
                  (0.004)           (0.035)
Eqipot           0.002*             0.004
                  (0.001)           (0.003)
XComandot         0.017             -0.037***
                  (0.020)           (0.006)
XComandot-1       0.0003*           0.010
                  (0.0002)          (0.020)
=====
Note:             *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 2.1662, df = 5, p-value = 0.8257
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
                Dependent variable:
-----
                Primeros dos años  Años restantes
                  (1)                (2)
-----
Edadt            -0.003             0.079***
                  (0.014)           (0.016)
Años contratot    0.001             0.103***
                  (0.007)           (0.022)
Eqipot           0.002***           0.004**
                  (0.001)           (0.001)
XControl2t        -0.073            0.258***
                  (0.043)           (0.020)
XControl2t-1      -0.044***          -0.390***
                  (0.016)           (0.030)
=====
Note:             *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 20.599, df = 5, p-value = 0.000964
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.001 0.043**
      (0.012) (0.014)
Años contratot -0.003 0.071***
      (0.007) (0.018)
Equipot 0.002*** 0.010***
      (0.001) (0.001)
XControl1t -0.018 -0.034**
      (0.029) (0.013)
XControl1t-1 -0.065* -0.235***
      (0.035) (0.011)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 3.4391, df = 5, p-value = 0.6326
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.003 0.003
      (0.013) (0.005)
Años contratot 0.004 -0.005
      (0.007) (0.007)
Equipot 0.003*** -0.0005**
      (0.001) (0.0002)
XDominio2t -0.020 -0.003***
      (0.026) (0.001)
XDominio2t-1 0.028*** -0.129***
      (0.011) (0.002)
```

```

=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 17.387, df = 5, p-value = 0.003822
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.005          -0.017***
                  (0.014)          (0.002)
Años contratot     -0.001          -0.022***
                  (0.007)          (0.003)
Eqipot            0.002**          0.002***
                  (0.001)          (0.0002)
XDominiot          0.002          -0.062***
                  (0.012)          (0.002)
XDominiot-1        0.017          -0.122***
                  (0.014)          (0.002)
=====

```

```

=====
Note:                *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 25.985, df = 5, p-value = 8.982e-05
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.003          0.062**
                  (0.015)          (0.023)

```

Años contratot	0.001 (0.006)	0.074** (0.029)
Equipot	0.002** (0.001)	0.002* (0.001)
XERA2t	-0.0001 (0.0001)	-0.0001*** (0.00003)
XERA2t-1	0.0001 (0.0001)	0.0002*** (0.00003)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.313, df = 5, p-value = 0.6518

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	-0.0002 (0.014)	0.067** (0.025)
Años contratot	0.002 (0.008)	0.089** (0.033)
Equipot	0.002*** (0.001)	0.003** (0.001)
XERAt	-0.001 (0.001)	-0.001 (0.0005)
XERAt-1	0.002** (0.001)	0.002*** (0.0004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.4718, df = 5, p-value = 0.9163

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)


```

Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.003 0.067**
(0.014) (0.022)
Años contratot -0.001 0.091**
(0.007) (0.030)
Equipot 0.002*** 0.001
(0.001) (0.002)
XIP2t 0.001 -0.003
(0.001) (0.002)
XIP2t-1 0.0004 -0.001
(0.001) (0.003)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 2.0224, df = 5, p-value = 0.846
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.004 0.072***
(0.014) (0.022)
Años contratot -0.001 0.096***
(0.006) (0.029)
Equipot 0.002*** 0.002**
(0.001) (0.001)
XIPIt 0.301*** 0.090***
(0.004) (0.003)
XIPIt-1 0.014 -0.243***
(0.013) (0.029)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```
data: formula
chisq = 1.7209, df = 5, p-value = 0.8863
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.004 0.075***
      (0.014) (0.021)
Años contratot -0.001 0.101***
      (0.006) (0.028)
Eqipot 0.002** 0.003**
      (0.001) (0.001)
XL2t 0.191*** 0.064***
      (0.015) (0.005)
XL2t-1 0.017 -0.109***
      (0.028) (0.021)
=====
Note: *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 2.1889, df = 5, p-value = 0.8224
alternative hypothesis: one model is inconsistent
```

Lanzadores iniciales: Efecto de la edad (First Differences)

```
=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt -0.001 0.066**
      (0.013) (0.023)
Años contratot 0.006 0.083**
      (0.008) (0.030)
Eqipot 0.002*** 0.003**
      (0.001) (0.001)
XDLt -0.0001* -0.0002***
      (0.00005) (0.00002)
XLt-1 -0.00004 0.0002***
```

```

(0.0001)      (0.00001)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 2.3822, df = 5, p-value = 0.7941
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.003      0.066**
                  (0.014)      (0.024)
Años contratot     -0.009      0.081**
                  (0.009)      (0.032)
Equipot            0.002***     0.003**
                  (0.001)      (0.001)
XS2t               0.002       -0.001*
                  (0.001)      (0.0004)
XS2t-1             0.002**      0.002***
                  (0.001)      (0.0001)
=====
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 2.2097, df = 5, p-value = 0.8194
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1)                (2)
-----
Edadt              -0.003      0.080***

```

	(0.013)	(0.025)
Años contratot	0.001	0.126***
	(0.007)	(0.035)
Eqipot	0.002***	0.002
	(0.001)	(0.001)
XSt	-0.003	0.008
	(0.002)	(0.005)
XSt-1	-0.001	-0.005***
	(0.002)	(0.001)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 1.823, df = 5, p-value = 0.8731

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

=====

Dependent variable:

	Primeros dos años (1)	Años restantes (2)
Edadt	0.007	0.044***
	(0.013)	(0.009)
Años contratot	0.008	0.056***
	(0.007)	(0.010)
Eqipot	0.002**	0.00001
	(0.001)	(0.001)
XS02t	0.013	0.034
	(0.011)	(0.022)
XS02t-1	-0.030***	-0.003
	(0.011)	(0.006)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 3.1525, df = 5, p-value = 0.6765

alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.003      0.048**
               (0.013)    (0.020)
Años contratot 0.003      0.067**
               (0.006)    (0.027)
Eqipot         0.002**     0.001
               (0.001)    (0.001)
XS0t           0.005      0.024**
               (0.015)    (0.011)
XS0t-1        -0.047***    -0.003
               (0.018)    (0.003)
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

```

data: formula
chisq = 7.7591, df = 5, p-value = 0.17
alternative hypothesis: one model is inconsistent

```

Lanzadores iniciales: Efecto de la edad (First Differences)

```

=====
Dependent variable:
-----

Primeros dos años Años restantes
(1) (2)
-----
Edadt          0.0003     0.071***
               (0.013)    (0.019)
Años contratot -0.001     0.093***
               (0.006)    (0.025)
Eqipot         0.002**     0.0004
               (0.001)    (0.002)
XWAR2t         0.001**    -0.001***
               (0.0003)    (0.0002)
XWAR2t-1       0.001**    -0.0004
               (0.0002)    (0.0002)
=====
Note:          *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

```

Hausman Test

data: formula
 chisq = 2.7943, df = 5, p-value = 0.7317
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

Dependent variable:		

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	0.003	0.061**
	(0.014)	(0.021)
Años contratot	0.001	0.082**
	(0.008)	(0.029)
Eqipot	0.001*	0.005***
	(0.001)	(0.001)
XWArt	0.005**	-0.004***
	(0.002)	(0.001)
XWArt-1	0.006***	0.007***
	(0.002)	(0.001)
=====		
=====		
Note:	*p<0.1; **p<0.05; ***p<0.01	
[1] ""		
[1] "Test para cambio estructural entre periodos:"		

Hausman Test

data: formula
 chisq = 0.37273, df = 5, p-value = 0.996
 alternative hypothesis: one model is inconsistent

Lanzadores iniciales: Efecto de la edad (First Differences)

Dependent variable:		

	Primeros dos años	Años restantes
	(1)	(2)

Edadt	-0.003	0.064**
	(0.014)	(0.025)
Años contratot	0.003	0.076**
	(0.009)	(0.033)
Eqipot	0.002**	0.004**
	(0.001)	(0.001)
XWHIP2t	-0.004	-0.001
	(0.005)	(0.002)

```

XWHIP2t-1          0.001          0.009***
                  (0.003)         (0.002)
=====
=====
Note:              *p<0.1; **p<0.05; ***p<0.01
[1] ""
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 1.0795, df = 5, p-value = 0.9559
alternative hypothesis: one model is inconsistent

```

Cambio en el poder de negociación al convertirse en agente

Obtendremos el estimador del cambio en el poder de negociación un periodo antes de que el jugador se convierta en agente libre con el primer periodo como agente libre. Importemos las bases de datos

Tercero, concatenaremos estas bases de datos de acuerdo a los grupos señalados anteriormente

Procedamos con las estimaciones de forma directa, no conjunta, puesto que tenemos como objetivo probar que hay un aumento en el poder de negociación

Pooling

Bateadores

Se obtendrán las estimaciones de las variables referentes a estadísticas deportivas sin controles

Bateadores: Modelo Pooling

Dependent variable:						
	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	-0.006 (0.004)	-0.007 (0.004)	-0.007 (0.005)	-0.007 (0.004)	-0.007 (0.004)	-0.007 (0.004)
Años contratot	-0.006 (0.008)	-0.005 (0.008)	-0.005 (0.008)	-0.006 (0.008)	-0.006 (0.008)	-0.006 (0.008)
Equipot	0.001 (0.001)	0.002 (0.001)	0.002 (0.001)	0.002 (0.001)	0.002 (0.001)	0.002 (0.001)
XABt	-0.002 (0.001)					
XABt-1	0.002** (0.001)					
XAB2t		-0.00005 (0.0001)				
XAB2t-1		0.00004 (0.0001)				
XHt			-0.001			

				(0.002)		
XHt-1				0.001		
				(0.002)		
XH2t				-0.0003*		
				(0.0002)		
XH2t-1				0.0003*		
				(0.0002)		
XBA _t				0.006		
				(0.032)		
XBA _t -1				0.045		
				(0.034)		
XBA2 _t					0.032	
					(0.030)	
XBA2 _t -1					-0.007	
					(0.050)	
Agent _t	0.166	0.181	0.191	0.176	0.183	0.190
	(0.142)	(0.146)	(0.151)	(0.143)	(0.149)	(0.149)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Bateadores: Modelo Pooling

Dependent variable:						
	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	-0.007	-0.007	-0.007	-0.007	-0.006	-0.007
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)
Años contratot	-0.006	-0.005	-0.004	-0.005	-0.005	-0.006
	(0.008)	(0.008)	(0.008)	(0.008)	(0.008)	(0.008)
Equipot	0.002	0.002	0.002	0.002	0.002	0.002
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)
XD _t	-0.0001					
	(0.005)					
XD _t -1	0.003					
	(0.004)					
XD2 _t		-0.0002				
		(0.001)				
XD2 _t -1		0.0002				
		(0.001)				
XHR _t			-0.009*			
			(0.005)			
XHR _t -1			0.008			
			(0.006)			
XHR2 _t				-0.001		
				(0.001)		
XHR2 _t -1				0.0003		
				(0.001)		
XGSt					-0.003	
					(0.002)	
XGSt-1					0.003	
					(0.002)	

XGS2t						-0.0005**
						(0.0002)
XGS2t-1						0.0004*
						(0.0002)
Agentet	0.186	0.185	0.166	0.182	0.166	0.175
	(0.149)	(0.149)	(0.145)	(0.148)	(0.144)	(0.143)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Bateadores: Modelo Pooling

=====

Dependent variable:

	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
	(0.005)	(0.004)	(0.004)	(0.004)	(0.005)	(0.005)
Años contratot	-0.006	-0.007	-0.005	-0.006	-0.006	-0.006
	(0.008)	(0.008)	(0.008)	(0.008)	(0.008)	(0.008)
Equipot	0.001	0.002	0.002	0.002	0.002	0.002
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)
XOPSt	0.022					
	(0.021)					
XOPSt-1	0.006					
	(0.020)					
XOPS2t		0.004				
		(0.019)				
XOPS2t-1		0.026				
		(0.020)				
XOBPt			0.024			
			(0.032)			
XOBPt-1			0.013			
			(0.035)			
XOBP2t				0.016		
				(0.034)		
XOBP2t-1				0.064		
				(0.051)		
XSLGt					0.029	
					(0.030)	
XSLGt-1					0.010	
					(0.026)	
XSLG2t						0.022
						(0.038)
XSLG2t-1						0.011
						(0.032)
Agentet	0.177	0.176	0.183	0.188	0.173	0.181
	(0.151)	(0.149)	(0.148)	(0.148)	(0.152)	(0.150)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Bateadores: Modelo Pooling

=====				
	Dependent variable:			

	(1)	(2)	(3)	(4)

Edadt	-0.007	-0.007	-0.007	-0.007
	(0.005)	(0.004)	(0.004)	(0.005)
Años contratot	-0.005	-0.004	-0.007	-0.006
	(0.008)	(0.008)	(0.008)	(0.008)
Eqipot	0.002	0.002	0.002	0.002
	(0.001)	(0.001)	(0.001)	(0.001)
XRBI _t	-0.001			
	(0.003)			
XRBI _{t-1}	0.0001			
	(0.003)			
XRBI _{2t}		-0.001*		
		(0.0003)		
XRBI _{2t-1}		0.0005		
		(0.0004)		
XWArt			0.004	
			(0.013)	
XWArt-1			0.024*	
			(0.012)	
XWAR _{2t}				0.003
				(0.008)
XWAR _{2t-1}				0.005
				(0.006)
Agent _t	0.191	0.181	0.197	0.191
	(0.152)	(0.142)	(0.147)	(0.149)
=====				
=====				
Note:	*p<0.1; **p<0.05; ***p<0.01			

Ahora evaluaremos los cambios estructurales compararemos los modelos estimados para los periodos de cambio en comparación con los primeros dos años de agente libre

Hitter

```
[1] ""
[1] "At_bats"
[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula
chisq = 59.168, df = 5, p-value = 1.805e-11
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Bateos_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 18.707, df = 5, p-value = 0.002179
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Bateos"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 11.385, df = 5, p-value = 0.04426
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Bateos_promedio"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 11.884, df = 5, p-value = 0.03642
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Bateos_promedio_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 8.2914, df = 5, p-value = 0.1409
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Home_runs"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 21.733, df = 5, p-value = 0.0005885
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Home_runs_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 12.028, df = 5, p-value = 0.0344
```

alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "Juegos_iniciados"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 73.223, df = 5, p-value = 2.184e-14
alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "Porcentaje_On_base_plus_slugging"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 721.14, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "Porcentaje_on_base"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 5.0247, df = 5, p-value = 0.4129
alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "Porcentaje_on_base_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 9.2569, df = 5, p-value = 0.09924
alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "Runs_batted_in"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 65.011, df = 5, p-value = 1.115e-12
alternative hypothesis: one model is inconsistent

```
[1] ""
[1] "WAR"
```

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 9.4941, df = 5, p-value = 0.09091

alternative hypothesis: one model is inconsistent

[1] ""

[1] "WAR_2"

[1] "Test para cambio estructural entre periodos:"

Hausman Test

data: formula

chisq = 10.736, df = 5, p-value = 0.05687

alternative hypothesis: one model is inconsistent

Starting pitcher

Lanzadores Iniciales: Modelo Pooling

Dependent variable:						
	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	0.001 (0.002)	0.0001 (0.002)	0.0002 (0.002)	0.0002 (0.002)	-0.0002 (0.002)	-0.0003 (0.002)
Años contratot	-0.012 (0.011)	-0.013 (0.011)	-0.012 (0.011)	-0.012 (0.011)	-0.011 (0.012)	-0.010 (0.012)
Equipot	0.0002 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)
XH2t	-0.0001 (0.0002)					
XH2t-1	0.0002 (0.0002)					
XHt		0.002 (0.003)				
XHt-1		0.002 (0.002)				
XR2t			0.0004 (0.0004)			
XR2t-1			0.0002 (0.0004)			
XER2t				0.001 (0.0005)		
XER2t-1				0.00003 (0.0004)		
XERt					0.005 (0.005)	
XERt-1					0.001 (0.004)	

XRt	0.006
	(0.005)
XRt-1	0.001
	(0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Lanzadores Iniciales: Modelo Pooling

Dependent variable:						
	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	0.0003 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)
Años contratot	-0.009 (0.012)	-0.008 (0.011)	-0.013 (0.011)	-0.008 (0.010)	-0.012 (0.012)	-0.012 (0.011)
Eqipot	0.001 (0.002)	-0.0003 (0.002)	-0.001 (0.002)	-0.002 (0.002)	0.0002 (0.002)	-0.00001 (0.002)
XComando2t	0.003 (0.009)					
XComando2t-1	-0.006 (0.008)					
XComandot		-0.009 (0.016)				
XComandot-1		0.027* (0.016)				
XControl2t			0.041 (0.062)			
XControl2t-1			-0.296*** (0.106)			
ControlHt				0.026 (0.047)		
XControlt-1				-0.189*** (0.048)		
XDominio2t					0.031 (0.033)	
XDominio2t-1					0.051 (0.042)	
XDominiot						0.012 (0.031)
XDominiot-1						0.056* (0.033)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Lanzadores Iniciales: Modelo Pooling

Dependent variable:

	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	0.0004 (0.002)	0.0005 (0.002)	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.0003 (0.002)
Años contratot	-0.008 (0.011)	-0.013 (0.011)	-0.014 (0.011)	-0.013 (0.011)	-0.009 (0.010)	-0.012 (0.011)
Eqipot	0.001 (0.002)	0.001 (0.002)	0.0003 (0.002)	0.0004 (0.002)	-0.0001 (0.002)	0.0001 (0.002)
XERA2t	0.008* (0.004)					
XERA2t-1	-0.004 (0.006)					
XERAt		0.019* (0.011)				
XERAt-1		-0.022* (0.012)				
XIP2t			-0.0003 (0.0002)			
XIP2t-1			0.0003** (0.0001)			
XIPt				0.0001 (0.003)		
XIPt-1				0.003 (0.002)		
XL2t					0.007** (0.003)	
XL2t-1					-0.005* (0.003)	
XLt						0.030*** (0.011)
XLt-1						-0.017* (0.010)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Lanzadores Iniciales: Modelo Pooling

	(1)	(2)	(3)	(4)	(5)	(6)
Edadt	0.0004 (0.002)	0.0002 (0.002)	0.001 (0.002)	0.001 (0.002)	0.0005 (0.002)	0.001 (0.002)
Años contratot	-0.013 (0.011)	-0.014 (0.011)	-0.011 (0.011)	-0.014 (0.012)	-0.008 (0.011)	-0.009 (0.011)
Eqipot	0.001 (0.002)	0.001 (0.002)	0.001 (0.002)	0.0002 (0.002)	0.001 (0.002)	-0.0002 (0.002)
XS02t	-0.0001 (0.0002)					
XS02t-1	0.0004*** (0.0001)					
XS0t		-0.0002				

	(0.003)	
XSOt-1	0.005**	
	(0.002)	
XWAR2t	-0.004	
	(0.011)	
XWAR2t-1	0.007	
	(0.004)	
XWArt		0.025
		(0.020)
XWArt-1		0.019
		(0.018)
XWHIP2t		0.020
		(0.019)
XWHIP2t-1		0.002
		(0.021)
XWHIPt		0.024
		(0.020)
XWHIPt-1		-0.030
		(0.022)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

Bateadores: Modelo Pooling

=====

Dependent variable:

	(1)	(2)
Edadt	0.001	0.0003
	(0.002)	(0.002)
Años contratot	-0.011	-0.011
	(0.011)	(0.011)
Eqipot	0.00003	0.0005
	(0.002)	(0.002)
XBB2t	-0.0002	
	(0.001)	
XBB2t-1	0.001	
	(0.0005)	
XBBt		0.003
		(0.005)
XBBt-1		0.002
		(0.004)

=====

Note: *p<0.1; **p<0.05; ***p<0.01

[1] ""

[1] "Bateos_2"

[1] "Test para cambio estructural entre periodos:"

Hausman Test


```
data: formula
chisq = 112.41, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Bateos"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 68.033, df = 5, p-value = 2.629e-13
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Carreras_ganadas_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 40.822, df = 5, p-value = 1.019e-07
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Carreras_ganadas"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 4.0421, df = 5, p-value = 0.5434
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "ERA"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 106.44, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Carreras"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 28.166, df = 5, p-value = 3.378e-05
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Comando_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 1.3237, df = 5, p-value = 0.9325
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Comando"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 17.236, df = 5, p-value = 0.004074
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Control_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 291.17, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Control"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 210.26, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Dominio_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 10.813, df = 5, p-value = 0.05521
alternative hypothesis: one model is inconsistent
```

```
[1] ""
[1] "Dominio"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 18.944, df = 5, p-value = 0.001969
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Inning_pitched_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 98.225, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Inning_pitched"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 91.178, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Losses_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 119.05, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Strike_outs_2"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 1490.6, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

[1] ""
[1] "Strike_outs"
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

```
data: formula
chisq = 65.845, df = 5, p-value = 7.484e-13
```

alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "WAR_2"  
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 46.886, df = 5, p-value = 5.993e-09
alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "WHIP_2"  
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 29.987, df = 5, p-value = 1.483e-05
alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "WHIP"  
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 231.55, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "Walks_2"  
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 1425.3, df = 5, p-value < 2.2e-16
alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "Walks"  
[1] "Test para cambio estructural entre periodos:"
```

Hausman Test

data: formula
chisq = 35.3, df = 5, p-value = 1.311e-06
alternative hypothesis: one model is inconsistent

```
[1] ""  
[1] "Wins"
```

```
[1] "Test para cambio estructural entre periodos:"
```

```
Hausman Test
```

```
data: formula  
chisq = 586.52, df = 5, p-value < 2.2e-16  
alternative hypothesis: one model is inconsistent
```

Within

Por definición, necesitamos más de un periodo de observación. Por lo tanto, no obtendremos dicho modelo por esa restricción.

Efectos aleatorios

Son equivalentes al pooling debido a que solo obtenemos la estimación para un periodo.

First Differences

Presenta las mismas restricciones que el estimador *within*.