

Table S1. Distribution of the points played on the different surfaces in the 2019 season, analysis of the distribution of the categories of each by surface (χ^2 intra-criteria) and comparative analysis among surfaces (χ^2 inter-criteria).

Criteria	Code	Clay		χ^2 Intra Criteria CL	Grass		χ^2 Intra Criteria GR	Hard court		χ^2 Intra Criteria HC	χ^2 Inter criteria	Coef. Contig.
		n	%		n	%		n	%			
SERVICE SIDE	AD	466	48.3%	$\chi^2=1.062$	409	47.9%	$\chi^2=1.518$	453	48.1%	$\chi^2=1.302$	$\chi^2=(2,N=2759)=.036$; $p=.982$.004
	DE	498	51.7%	$p=.303$	445	52.1%	$p=.218$	488	51.9%	$p=.254$		
SERVICE	DF	27	2.8%	$\chi^2=602.716$	22	2.6%	$\chi^2=513.311$	45	4.8%	$\chi^2=412.829$	$\chi^2=(4,N=2759)=$ 21.069; $p<.000$.087
	FS	647	67.1%	$p<.000$	562	65.8%	$p<.000$	551	58.6%	$p<.000$		
	SS	290	30.1%		270	31.6%		345	36.7%			
SERVICE DIRECTION	CN	274	28.4%	$\chi^2=15.693$	267	31.3%	$\chi^2=14.939$	273	29.0%	$\chi^2=9.909$	$\chi^2=(4,N=2759)=$ 8.870; $p=.064$.057
	T	374	38.8%	$p<.000$	337	39.5%	$p<.001$	334	35.5%	$p<.019$		
	W	316	32.8%		250	29.3%		334	35.5%			
RALLY	LN	122	12.7%	$\chi^2=417.320$	86	10.1%	$\chi^2=438.143$	83	8.8%	$\chi^2=615.617$	$\chi^2=(4,N=2759)=$ 13.890; $p=.008$.071
	MD	228	23.7%	$p<.000$	203	23.8%	$p<.000$	191	20.3%	$p<.000$		
	SH	614	63.7%		565	66.2%		667	70.9%			
FINAL STROKE	ACE	38	3.9%		49	5.7%		63	6.7%		$\chi^2=(6,N=2759)=$ 9.755; $p=.135$.059
	BH	364	37.8%	$\chi^2=391.643$	305	35.7%	$\chi^2=298.056$	358	38.0%	$\chi^2=343.510$		
	FH	413	42.8%	$p<.000$	363	42.5%	$p<.000$	392	41.7%	$p<.000$		
	OTH	149	15.5%		137	16.0%		128	13.6%			
FINALIZATION	BSO	215	22.3%		164	19.2%		199	21.1%		$\chi^2=(14,N=2759)=$ 32.172; $p=.004$.107
	LTO	146	15.1%		140	16.4%		129	13.7%			
	NET	272	28.2%		216	25.3%		282	30.0%			
	Z1	108	11.2%	$\chi^2=424.747$	144	16.9%	$\chi^2=317.016$	111	11.8%	$\chi^2=434.736$		
	Z2	39	4.0%	$p<.000$	34	4.0%	$p<.000$	57	6.1%	$p<.000$		
	Z3	33	3.4%		17	2.0%		25	2.7%			
	Z4	67	7.0%		67	7.8%		56	6.0%			
WINNER	Z5	84	8.7%		72	8.4%		82	8.7%			
	RW	395	41.0%	$\chi^2=31.407$	350	41.0%	$\chi^2=27.770$	386	41.0%	$\chi^2=30.352$	$\chi^2=(2,N=2759)=.000$; $p=1.000$.000
	SW	569	59.0%	$p<.000$	504	59.0%	$p<.000$	555	59.0%	$p<.000$		
RESOLUTION	RWFE	56	5.8%		71	8.3%		60	6.4%		$\chi^2=(10,N=2759)=$ 16.387; $p=.089$.077
	RWUE	220	22.8%		159	18.6%		220	23.4%			
	RWW	119	12.3%	$\chi^2=140.535$	119	13.9%	$\chi^2=84.726$	106	11.3%	$\chi^2=157.332$		
	SWFE	143	14.8%	$p<.000$	116	13.6%	$p<.000$	123	13.1%	$p<.000$		
	SWUE	230	23.9%		192	22.5%		233	24.8%			
	SWW	196	20.3%		197	23.1%		199	21.1%			

Table S2. Distribution of the points played with first service to the deuce and the advantage side, distribution analysis of the categories of each criteria by surface (χ^2 intra-criteria) and comparative analysis among surfaces (χ^2 inter-criteria).

Criteria	Code	Clay		χ ² Intra Criteria CL	Grass		χ ² Intra Criteria GR	Hard court		χ ² Intra Criteria HC	χ ² Inter criteria	Coef. Contig.
		n	%		n	%		n	%			
FIRST SERVICE (DEUCE)												
SERVICE DIRECTION	CN	72	21.1%	χ ² =47.228 <i>p</i> <.000	42	14.0%	χ ² =54.380 <i>p</i> <.000	48	16.8%	χ ² =35.587 <i>p</i> <.000	χ ² =(4,N=928)= 17.662; <i>p</i> =.001	.137
	T	172	50.3%		143	47.7%		115	40.2%			
	W	98	28.7%		115	38.3%		123	43.0%			
RALLY	LN	31	9.1%	χ ² =168.228 <i>p</i> <.000	26	8.7%	χ ² =197.660 <i>p</i> <.000	21	7.3%	χ ² =236.734 <i>p</i> <.000	χ ² =(4,N=928)= 9.725; <i>p</i> =.045	.102
	MD	89	26.0%		61	20.3%		48	16.8%			
	SH	222	64.9%		213	71.0%		217	75.9%			
FINAL STROKE	ACE	18	5.3%	χ ² =153.673 <i>p</i> <.000	28	9.3%	χ ² =110.640 <i>p</i> <.000	34	11.9%	χ ² =90.531 <i>p</i> <.000	χ ² =(6,N=928)= 12.122; <i>p</i> =.059	.114
	BH	134	39.2%		106	35.3%		117	40.9%			
	FH	150	43.9%		133	44.3%		106	37.1%			
	OTH	40	11.7%		33	11.0%		29	10.1%			
FINALIZATION	BSO	75	21.9%	χ ² =163.731 <i>p</i> <.000	61	20.3%	χ ² =120.960 <i>p</i> <.000	57	19.9%	χ ² =136.322 <i>p</i> <.000	χ ² =(14,N=928)= 19.206; <i>p</i> =.157	.142
	LTO	52	15.2%		53	17.7%		31	10.8%			
	NET	97	28.4%		75	25.0%		85	29.7%			
	Z1	44	12.9%		51	17.0%		50	17.5%			
	Z2	6	1.8%		14	4.7%		16	5.6%			
	Z3	7	2.0%		7	2.3%		5	1.7%			
	Z4	31	9.1%		23	7.7%		21	7.3%			
	Z5	30	8.8%		16	5.3%		21	7.3%			
WINNER	RW	129	37.7%	χ ² =20.632 <i>p</i> <.000	108	36.0%	χ ² =23.520 <i>p</i> <.000	92	32.2%	χ ² =36.378 <i>p</i> <.000	χ ² =(2,N=928)= 2.156; <i>p</i> =.340	.048
	SW	213	62.3%		192	64.0%		194	67.8%			
RESOLUTION	RWFE	26	7.6%	χ ² =39.298 <i>p</i> <.000	22	7.3%	χ ² =39.520 <i>p</i> <.000	17	5.9%	χ ² =64.014 <i>p</i> <.000	χ ² =(10,N=928)= 5.192; <i>p</i> =.878	.075
	RWUE	65	19.0%		52	17.3%		49	17.1%			
	RWW	38	11.1%		34	11.3%		26	9.1%			
	SWFE	58	17.0%		52	17.3%		50	17.5%			
	SWUE	75	21.9%		62	20.7%		57	19.9%			
	SWW	80	23.4%		78	26.0%		87	30.4%			
FIRST SERVICE (ADVANTAGE)												
SERVICE DIRECTION	CN	68	22.3%	χ ² =16.964 <i>p</i> <.000	64	24.4%	χ ² =16.771 <i>p</i> <.000	46	17.4%	χ ² =30.709 <i>p</i> <.000	χ ² =(4,N=832)= 9.020; <i>p</i> =.061	.104
	T	115	37.7%		117	44.7%		113	42.6%			
	W	122	40.0%		81	30.9%		106	40.0%			
RALLY	LN	35	11.5%	χ ² =148.689 <i>p</i> <.000	29	11.1%	χ ² =105.855 <i>p</i> <.000	21	7.9%	χ ² =172.649 <i>p</i> <.000	χ ² =(4,N=832)= 5.432; <i>p</i> =.246	.081
	MD	70	23.0%		71	27.1%		57	21.5%			
	SH	200	65.6%		162	61.8%		187	70.6%			
FINAL STROKE	ACE	20	6.6%	χ ² =105.452 <i>p</i> <.000	16	6.1%	χ ² =87.466 <i>p</i> <.000	28	10.6%	χ ² =102.291 <i>p</i> <.000	χ ² =(6,N=832)= 10.419; <i>p</i> =.108	.111
	BH	114	37.4%		92	35.1%		88	33.2%			
	FH	126	41.3%		111	42.4%		123	46.4%			
	OTH	45	14.8%		43	16.4%		26	9.8%			
FINALIZATION	BSO	74	24.3%	χ ² =162.069 <i>p</i> <.000	53	20.2%	χ ² =100.931 <i>p</i> <.000	49	18.5%	χ ² =148.313 <i>p</i> <.000	χ ² =(14,N=832)= 23.926; <i>p</i> =.047	.167
	LTO	34	11.1%		43	16.4%		34	12.8%			
	NET	91	29.8%		63	24.0%		87	32.8%			
	Z1	42	13.8%		48	18.3%		40	15.1%			
	Z2	11	3.6%		12	4.6%		9	3.4%			
	Z3	17	5.6%		3	1.1%		8	3.0%			
	Z4	12	3.9%		19	7.3%		12	4.5%			
	Z5	24	7.9%		21	8.0%		26	9.8%			
WINNER	RW	114	37.4%	χ ² =19.439 <i>p</i> <.000	93	35.5%	χ ² =22.046 <i>p</i> <.000	87	32.8%	χ ² =31.249 <i>p</i> <.000	χ ² =(2,N=832)= 1.287; <i>p</i> =.525	.039
	SW	191	62.6%		169	64.5%		178	67.2%			
RESOLUTION	RWFE	14	4.6%	χ ² =41.013 <i>p</i> <.000	27	10.3%	χ ² =41.618 <i>p</i> <.000	13	4.9%	χ ² =53.589 <i>p</i> <.000	χ ² =(10,N=832)= 23.576; <i>p</i> =.009	.166
	RWUE	60	19.7%		31	11.8%		50	18.9%			
	RWW	40	13.1%		34	13.0%		24	9.1%			
	SWFE	59	19.3%		34	13.0%		48	18.1%			
	SWUE	66	21.6%		66	25.2%		59	22.3%			
	SWW	66	21.6%		70	26.7%		71	26.8%			

Table S3. Distribution of points played with second service to the deuce and of the advantage court. Analysis of the distribution of the categories of each criterion by surface (χ^2 intra-criteria) and comparative analysis among the surfaces (χ^2 inter-criteria).

Criteria	Code	Clay		χ^2 Intra Criteria CL	Grass		χ^2 Intra Criteria GR	Hard court		χ^2 Intra Criteria HC	χ^2 Inter criteria	Coef. Contig.
		n	%		n	%		n	%			
SECOND SERVICE (DEUCE)												
SERVICE DIRECTION	CN	59	41.0%	$\chi^2=18.042$	72	54.1%	$\chi^2=29.970$	81	44.3%	$\chi^2=11.016$	$\chi^2=(4,N=460)= 10.713;$	.151
	T	61	42.4%	$p<.000$	40	30.1%	$p<.000$	57	31.1%	$p<.004$	$p=.030$	
	W	24	16.7%		21	15.8%		45	24.6%			
RALLY	LN	32	22.2%	$\chi^2=34.042$	21	15.8%	$\chi^2=48.917$	21	11.5%	$\chi^2=68.852$	$\chi^2=(4,N=460)= 7.773;$	.129
	MD	31	21.5%	$p<.000$	30	22.6%	$p<.000$	51	27.9%	$p<.000$	$p=.100$	
	SH	81	56.2%		82	61.7%		111	60.7%			
FINAL STROKE	ACE	0	0.0%	$\chi^2=32.667$	3	2.3%	$\chi^2=68.714$	0	0.0%	$\chi^2=54.689$	$\chi^2=(6,N=460)= 9.628;$	.143
	BH	60	41.7%	$p<.000$	53	39.8%	$p<.000$	75	41.0%	$p<.000$	$p=.141$	
	FH	68	47.2%		60	45.1%		93	50.8%			
	OTH	16	11.1%		17	12.8%		15	8.2%			
FINALIZATION	BSO	36	25.0%	$\chi^2=71.556$	23	17.3%	$\chi^2=60.383$	49	26.8%	$\chi^2=107.754$	$\chi^2=(14,N=460)= 8.472;$	.134
	LTO	29	20.1%	$p<.000$	22	16.5%	$p<.000$	29	15.8%	$p<.000$	$p=.863$	
	NET	36	25.0%		40	30.1%		52	28.4%			
	Z1	10	6.9%		10	7.5%		9	4.9%			
	Z2	3	2.1%		3	2.3%		4	2.2%			
	Z3	5	3.5%		5	3.8%		8	4.4%			
	Z4	13	9.0%		12	9.0%		12	6.6%			
	Z5	12	8.3%		18	13.5%		20	10.9%			
WINNER	RW	63	43.8%	$\chi^2=2.250$	61	45.9%	$\chi^2=.910$	84	45.9%	$\chi^2=1.230$	$\chi^2=(2,N=460)= .182;$	.020
	SW	81	56.2%	$p=.134$	72	54.1%	$p=.340$	99	54.1%	$p=.268$	$p=.913$	
RESOLUTION	RWFE	9	6.2%	$\chi^2=38.917$	14	10.5%	$\chi^2=14.383$	15	8.2%	$\chi^2=61.361$	$\chi^2=(10,N=460)= 10.885;$	.152
	RWUE	35	24.3%	$p<.000$	25	18.8%	$p=.013$	37	20.2%	$p<.000$	$p=.367$	
	RWW	19	13.2%		22	16.5%		32	17.5%			
	SWFE	13	9.0%		12	9.0%		13	7.1%			
	SWUE	45	31.2%		33	24.8%		65	35.5%			
	SWW	23	16.0%		27	20.3%		21	11.5%			
SECOND SERVICE (ADVANTAGE)												
SERVICE DIRECTION	CN	61	41.8%	$\chi^2=21.959$	82	59.9%	$\chi^2=43.460$	75	46.3%	$\chi^2=13.370$	$\chi^2=(4,N=445)= 18.844;$	.202
	T	22	15.1%	$p<.000$	26	19.0%	$p<.000$	38	23.5%	$p<.001$	$p<.001$	
	W	63	43.2%		29	21.2%		49	30.2%			
RALLY	LN	24	16.4%	$\chi^2=40.493$	10	7.3%	$\chi^2=63.956$	20	12.3%	$\chi^2=80.111$	$\chi^2=(4,N=445)= 7.798;$	.131
	MD	38	26.0%	$p<.000$	41	29.9%	$p<.000$	35	21.6%	$p<.000$	$p<.099$	
	SH	84	57.5%		86	62.8%		107	66.0%			
FINAL STROKE	ACE	0	0.0%	$\chi^2=25.329$	2	1.5%	$\chi^2=64.022$	1	0.6%	$\chi^2=113.407$	$\chi^2=(6,N=445)= 9.105;$	.142
	BH	56	38.4%	$p<.000$	54	39.4%	$p<.000$	78	48.1%	$p<.000$	$p=.168$	
	FH	69	47.3%		59	43.1%		70	43.2%			
	OTH	21	14.4%		22	16.1%		13	8.0%			
FINALIZATION	BSO	30	20.5%	$\chi^2=72.411$	27	19.7%	$\chi^2=54.825$	44	27.2%	$\chi^2=100.321$	$\chi^2=(14,N=445)= 7.264;$	.127
	LTO	23	15.8%	$p<.000$	22	16.1%	$p<.000$	29	17.9%	$p<.000$	$p=.924$	
	NET	44	30.1%		37	27.0%		45	27.8%			
	Z1	12	8.2%		15	10.9%		12	7.4%			
	Z2	4	2.7%		4	2.9%		2	1.2%			
	Z3	4	2.7%		2	1.5%		4	2.5%			
	Z4	11	7.5%		13	9.5%		11	6.8%			
	Z5	18	12.3%		17	12.4%		15	9.3%			
WINNER	RW	62	42.5%	$\chi^2=3.315$	66	48.2%	$\chi^2=.182$	78	48.1%	$\chi^2=.222$	$\chi^2=(2,N=445)= 1.280;$	.054
	SW	84	57.5%	$p=.069$	71	51.8%	$p=.669$	84	51.9%	$p=.637$	$p=.527$	
RESOLUTION	RWFE	7	4.8%	$\chi^2=37.123$	6	4.4%	$\chi^2=20.971$	15	9.3%	$\chi^2=44.296$	$\chi^2=(10,N=445)= 12.958;$	.168
	RWUE	33	22.6%	$p<.000$	31	22.6%	$p<.001$	39	24.1%	$p<.000$	$p=.226$	
	RWW	22	15.1%		29	21.2%		24	14.8%			
	SWFE	13	8.9%		18	13.1%		12	7.4%			
	SWUE	44	30.1%		31	22.6%		52	32.1%			
	SWW	27	18.5%		22	16.1%		20	12.3%			

Table S4. Analysis of the effectiveness of the match patterns of women depending on the service and surface.

Pattern (deuce)	Clay (n=964)			Grass (n=854)			Hard court (n=941)			Pattern (advantage)	Clay			Grass			Hard court		
	Fr.	%	Ef.	Fr.	%	Ef.	Fr.	%	Ef.		Fr.	%	Ef.	Fr.	%	Ef.	Fr.	%	Ef.
FS ^a	647	67.1	62.4	562	65.8	64.2	551	58.6	67.5	-	-	-	-	-	-	-	-	-	-
FS-SW	404	-	-	361	-	-	372	-	-	-	-	-	-	-	-	-	-	-	-
FS-DE ^b	342	52.9	-	300	53.4	-	286	51.9	-	FS-AD ^b	305	47.1	-	262	46.6	-	265	48.1	-
FS-DE-SW ^c	213	52.7	62.3	192	53.2	64.0	194	52.2	67.8	FS-AD-SW ^c	191	47.3	62.6	169	46.8	64.5	178	47.8	67.2
FS-SH-SW	291 (422)	65.2	69.0	251 (375)	66.7	66.9	298 (404)	73.3	73.8	-	-	-	-	-	-	-	-	-	-
FS-MD-SW	82 (159)	24.6	51.6	76 (132)	23.5	57.6	53 (105)	19.1	50.5	-	-	-	-	-	-	-	-	-	-
FS-LN-SW	31 (66)	10.2	47.0	34 (55)	9.8	61.8	21 (42)	7.6	50.0	-	-	-	-	-	-	-	-	-	-
FS-DE-CN-SW ^c	38 (72)	17.8	52.8	21 (42)	10.9	50.0	27 (48)	13.9	56.3	FS-AD-CN-SW	42 (68)	22.0	61.8	41 (64)	24.3	64.1	27 (46)	15.2	58.7
FS-DE-T-SW ^c	104 (172)	48.8	60.5	97 (143)	50.5	67.8	87 (115)	44.8	75.7	FS-AD-T-SW	78 (115)	40.8	67.8	76 (117)	45.0	65.0	71 (113)	39.9	62.8
FS-DE-W-SW ^c	71 (98)	33.3	72.4	74 (115)	38.5	64.3	80 (123)	41.2	65.0	FS-AD-W-SW	71 (122)	37.2	58.2	52 (81)	30.8	64.2	80 (106)	44.9	75.5
FS-DE-SH-SW ^d	151 (222)	64.9	68.0	143 (213)	71.0	67.1	155 (217)	75.9	71.4	FS-AD-SH-SW	140 (200)	65.6	70.0	108 (162)	61.8	66.7	143 (187)	70.6	76.5
FS-DE-CN-SH-SW ^c	17 (32)	11.3	53.1	13 (24)	9.1	54.2	18 (31)	11.6	58.1	FS-AD-CN-SH-SW ^c	32 (46)	22.9	69.6	21 (34)	19.4	61.8	21 (33)	14.7	63.6
FS-DE-T-SH-SW ^c	74 (114)	49.0	64.9	71 (102)	49.7	69.6	75 (93)	48.4	80.6	FS-AD-T-SH-SW ^c	57 (76)	40.7	75.0	45 (69)	41.7	65.2	59 (81)	41.3	72.8
FS-DE-W-SH-SW ^c	60 (76)	39.7	78.9	59 (87)	41.3	67.8	62 (93)	40.0	66.7	FS-AD-W-SH-SW ^c	51 (78)	36.4	65.4	42 (59)	38.9	71.2	63 (73)	44.1	86.3
FS-DE-CN-SH-SW-SWFE	2	11.8	-	1	7.7	-	1	5.6	-	FS-AD-CN-SH-SW-SWFE	9	28.1	-	1	4.8	-	6	28.6	-
FS-DE-CN-SH-SW-SWUE	10	58.8	-	11	84.6	-	12	66.7	-	FS-AD-CN-SH-SW-SWUE	19	59.4	-	14	66.7	-	10	47.6	-
FS-DE-CN-SH-SW-SWW	5	29.8	-	1	7.7	-	5	27.8	-	FS-AD-CN-SH-SW-SWW	4	12.5	-	6	28.6	-	5	23.8	-
FS-DE-T-SH-SW-SWFE	19	25.7	-	23	32.4	-	20	26.7	-	FS-AD-T-SH-SW-SWFE	20	35.1	-	9	20.0	-	11	18.6	-
FS-DE-T-SH-SW-SWUE	20	27.0	-	18	25.4	-	16	21.3	-	FS-AD-T-SH-SW-SWUE	10	17.5	-	13	28.9	-	19	32.2	-
FS-DE-T-SH-SW-SWW	35	47.3	-	30	42.3	-	39	52.0	-	FS-AD-T-SH-SW-SWW	27	47.4	-	23	51.1	-	29	49.2	-
FS-DE-W-SH-SW-SWFE	23	38.3	-	14	23.7	-	17	27.4	-	FS-AD-W-SH-SW-SWFE	18	35.3	-	10	23.8	-	19	30.2	-
FS-DE-W-SH-SW-SWUE	15	25.0	-	13	22.0	-	17	27.4	-	FS-AD-W-SH-SW-SWUE	16	31.4	-	12	28.6	-	10	15.9	-
FS-DE-W-SH-SW-SWW	22	36.7	-	32	54.2	-	28	45.2	-	FS-AD-W-SH-SW-SWW	17	33.3	-	20	47.6	-	34	54.0	-
FS-DE-MD-SW ^d	48 (89)	26.0	53.9	32 (61)	20.3	52.5	27 (48)	16.8	56.3	FS-AD-MD-SW	34 (70)	23.0	48.6	44 (71)	27.1	62.0	26 (57)	21.5	45.6
FS-DE-CN-MD-SW ^c	15 (28)	31.3	53.6	6 (13)	18.8	46.2	7 (14)	25.9	50.0	FS-AD-CN-MD-SW ^c	4 (12)	11.8	33.3	15 (19)	34.1	78.9	4 (10)	15.4	40.0
FS-DE-T-MD-SW ^c	25 (43)	52.1	58.1	17 (30)	53.1	56.7	7 (15)	25.9	46.7	FS-AD-T-MD-SW ^c	17 (30)	50.0	56.7	20 (32)	45.5	62.5	10 (24)	38.5	41.7
FS-DE-W-MD-SW ^c	8 (18)	16.7	44.4	9 (18)	28.1	50.0	13 (19)	48.1	68.4	FS-AD-W-MD-SW ^c	13 (28)	38.2	46.4	9 (20)	20.5	45.0	12 (23)	46.2	52.2
FS-DE-CN-MD-SW-SWFE	2	13.3	-	2	33.3	-	2	28.6	-	FS-AD-CN-MD-SW-SWFE	2	-	-	3	20.0	-	-	-	-
FS-DE-CN-MD-SW-SWUE	9	60.0	-	3	50.0	-	1	14.3	-	FS-AD-CN-MD-SW-SWUE	2	50.0	-	9	60.0	-	4	100.0	-
FS-DE-CN-MD-SW-SWW	4	26.7	-	1	16.7	-	4	57.1	-	FS-AD-CN-MD-SW-SWW	2	50.0	-	3	20.0	-	-	-	-
FS-DE-T-MD-SW-SWFE	8	32.0	-	5	29.4	-	2	28.6	-	FS-AD-T-MD-SW-SWFE	3	17.6	-	4	20.0	-	3	30.0	-
FS-DE-T-MD-SW-SWUE	9	36.0	-	9	52.9	-	2	28.6	-	FS-AD-T-MD-SW-SWUE	10	58.8	-	11	55.0	-	7	70.0	-
FS-DE-T-MD-SW-SWW	8	32.0	-	3	17.9	-	3	42.9	-	FS-AD-T-MD-SW-SWW	4	23.5	-	5	25.0	-	-	-	-
FS-DE-W- MD -SW-SWFE	1	12.5	-	-	-	-	5	38.5	-	FS-AD-W- MD -SW-SWFE	6	46.2	-	3	33.3	-	5	41.7	-
FS-DE-W-MD-SW-SWUE	5	62.5	-	4	44.4	-	4	30.8	-	FS-AD-W-MD-SW-SWUE	3	23.1	-	3	33.3	-	5	41.7	-
FS-DE-W-MD-SW-SWW	8	25.0	-	5	55.6	-	4	30.8	-	FS-AD-W-MD-SW-SWW	4	30.8	-	3	33.3	-	2	16.7	-
FS-DE-LN-SW ^d	14 (31)	9.1	45.2	17 (26)	8.7	65.4	12 (21)	7.3	57.1	FS-AD-LN-SW	17 (35)	11.5	48.6	17 (29)	11.1	58.6	9 (21)	7.9	42.9
FS-DE-CN-LN-SW ^c	6 (12)	42.9	50.0	2 (5)	11.8	40.0	2 (3)	16.7	66.7	FS-AD-CN-LN-SW ^c	6 (10)	35.3	60.0	5 (11)	29.4	45.5	2 (3)	22.2	66.7
FS-DE-T-LN-SW ^c	5 (15)	35.7	33.3	9 (11)	52.9	81.8	5 (7)	41.7	71.4	FS-AD-T-LN-SW ^c	4 (9)	23.5	44.4	11 (16)	64.7	68.8	2 (8)	22.2	25.0
FS-DE-W-LN-SW ^c	3 (4)	21.4	75.0	6 (10)	35.2	60.0	5 (11)	41.7	45.5	FS-AD-W-LN-SW ^c	7 (16)	41.2	43.8	1 (2)	5.9	50.0	5 (10)	55.6	50.0
FS-DE-CN-LN-SW-SWFE	1	16.7	-	1	50.0	-	1	50.0	-	FS-AD-CN-LN-SW-SWFE	1	16.7	-	-	-	-	2	100.0	-
FS-DE-CN-LN-SW-SWUE	4	66.7	-	-	-	-	1	50.0	-	FS-AD-CN-LN-SW-SWUE	1	16.7	-	3	60.0	-	-	-	-
FS-DE-CN-LN-SW-SWW	1	16.7	-	1	50.0	-	-	-	-	FS-AD-CN-LN-SW-SWW	4	66.7	-	2	40.0	-	-	-	-
FS-DE-T-LN-SW-SWFE	1	20.0	-	2	22.2	-	2	40.0	-	FS-AD-T-LN-SW-SWFE	2	50.0	-	3	27.3	-	-	-	-
FS-DE-T-LN-SW-SWUE	2	40.0	-	3	33.3	-	3	60.0	-	FS-AD-T-LN-SW-SWUE	1	25.0	-	1	9.1	-	1	50.0	-
FS-DE-T-LN-SW-SWW	2	40.0	-	4	44.4	-	-	-	-	FS-AD-T-LN-SW-SWW	1	25.0	-	7	63.6	-	1	50.0	-
FS-DE-W-LN-SW-SWFE	1	33.3	-	4	66.7	-	-	-	-	FS-AD-W-LN-SW-SWFE	-	-	-	-	-	-	2	40.0	-
FS-DE-W-LN-SW-SWUE	1	33.3	-	1	16.7	-	1	20.0	-	FS-AD-W-LN-SW-SWUE	4	57.1	-	-	-	-	3	60.0	-
FS-DE-W-LN-SW-SWW	1	33.3	-	1	16.7	-	4	80.0	-	FS-AD-W-LN-SW-SWW	3	42.9	-	1	100.0	-	-	-	-

Table S4. Continuation.

Pattern (deuce)	Clay (n=964)			Grass (n=854)			Hard court (n=941)			Pattern (advantage)	Clay			Grass			Hard court		
	Fr.	%	Ef.	Fr.	%	Ef.	Fr.	%	Ef.		Fr.	%	Ef.	Fr.	%	Ef.	Fr.	%	Ef.
SS ^a	290	30.1	56.9	270	31.6	53.0	345	36.7	53.0	-	-	-	-	-	-	-	-	-	-
SS-SW	165	-	-	143	-	-	183	-	-	-	-	-	-	-	-	-	-	-	-
SS-DE	144	49.7	-	133	49.3	-	183	53.0	-	SS-AD	146	50.3	-	137	50.7	-	162	47.0	-
SS-DE-SW ^b	81	49.1	56.7	72	50.3	54.1	99	54.1	54.1	SS-AD-SW	84	50.9	57.5	71	49.7	51.8	84	45.9	51.9
SS-SH-SW	100 (165)	59.6	60.6	96 (168)	62.2	57.1	112 (218)	63.2	51.4	-	-	-	-	-	-	-	-	-	-
SS-MD-SW	38 (69)	23.8	55.1	33 (71)	26.3	46.5	48 (86)	24.9	55.8	-	-	-	-	-	-	-	-	-	-
SS-LN-SW	27 (56)	19.3	48.2	14 (31)	11.5	45.2	23 (41)	11.9	56.1	-	-	-	-	-	-	-	-	-	-
SS-DE-CN-SW ^b	33 (59)	40.7	55.9	37 (72)	51.4	51.4	41 (81)	41.4	50.6	SS-AD-CN-SW	36 (61)	42.9	59.0	43 (82)	60.6	52.4	35 (75)	41.7	46.7
SS-DE-T-SW ^b	35 (61)	43.2	57.4	22 (40)	30.6	55.0	31 (57)	31.3	54.4	SS-AD-T-SW	11 (22)	13.1	50.0	14 (26)	19.7	53.8	23 (38)	27.4	60.5
SS-DE-W-SW ^b	13 (24)	16.0	54.2	13 (21)	18.1	61.9	27 (45)	27.3	60.0	SS-AD-W-SW	37 (63)	44.0	58.7	14 (29)	19.7	48.3	26 (49)	31.0	53.1
SS-DE-SH-SW ^d	50 (84)	56.3	61.7	9 (21)	61.7	42.9	60 (111)	60.7	54.1	SS-AD-SH-SW	50 (84)	57.5	59.5	50 (86)	62.8	58.1	52 (107)	66.0	48.6
SS-DE-CN-SH-SW ^b	19 (32)	38.0	59.4	21 (44)	45.7	47.7	19 (43)	31.7	44.2	SS-AD-CN-SH-SW	22 (35)	44.0	62.9	28 (50)	56.0	56.0	17 (50)	32.7	34.0
SS-DE-T-SH-SW ^b	19 (31)	38.0	61.3	14 (21)	30.4	66.7	21 (35)	35.0	60.0	SS-AD-T-SH-SW	5 (12)	10.0	41.7	9 (18)	18.0	50.0	15 (24)	28.8	62.5
SS-DE-W-SH-SW ^b	12 (18)	24.0	66.7	11 (17)	23.9	64.7	20 (33)	33.3	60.6	SS-AD-W-SH-SW	23 (37)	46.0	63.2	13 (18)	26.0	72.2	20 (33)	38.5	60.6
SS-DE-CN-SH-SW-SWFE	2	10.5	-	2	9.5	-	1	5.3	-	SS-AD-CN-SH-SW-SWFE	2	9.1	-	3	10.7	-	1	5.9	-
SS-DE-CN-SH-SW-SWUE	10	52.6	-	12	57.1	-	14	73.7	-	SS-AD-CN-SH-SW-SWUE	13	59.1	-	18	64.3	-	14	82.4	-
SS-DE-CN-SH-SW-SWW	7	36.8	-	7	33.3	-	4	21.1	-	SS-AD-CN-SH-SW-SWW	7	31.8	-	7	25.0	-	2	11.8	-
SS-DE-T-SH-SW-SWFE	4	21.1	-	2	14.3	-	1	4.8	-	SS-AD-T-SH-SW-SWFE	1	20.0	-	1	11.1	-	2	13.3	-
SS-DE-T-SH-SW-SWUE	13	68.4	-	7	50.0	-	16	76.2	-	SS-AD-T-SH-SW-SWUE	3	60.0	-	3	33.3	-	8	53.3	-
SS-DE-T-SH-SW-SWW	2	10.5	-	5	35.7	-	4	19.0	-	SS-AD-T-SH-SW-SWW	1	20.0	-	5	55.6	-	5	33.3	-
SS-DE-W-SH-SW-SWFE	1	8.3	-	3	27.3	-	1	5.0	-	SS-AD-W-SH-SW-SWFE	3	13.0	-	5	38.5	-	1	5.0	-
SS-DE-W-SH-SW-SWUE	6	50.0	-	3	27.3	-	17	85.0	-	SS-AD-W-SH-SW-SWUE	15	65.2	-	4	30.8	-	13	65.0	-
SS-DE-W-SH-SW-SWW	5	41.7	-	5	45.5	-	2	10.0	-	SS-AD-W-SH-SW-SWW	5	21.7	-	4	30.8	-	6	30.0	-
SS-DE-MD-SW ^d	16 (31)	21.5	51.6	17 (30)	22.6	56.7	28 (51)	27.9	54.9	SS-AD-MD-SW	22 (38)	26.0	57.9	16 (41)	29.9	39.0	20 (35)	21.6	57.1
SS-DE-CN-MD-SW ^b	7 (12)	43.8	58.3	9 (17)	52.9	52.9	16 (28)	57.1	57.1	SS-AD-CN-MD-SW	9 (17)	40.9	52.9	11 (25)	68.8	44.0	9 (12)	45.0	75.0
SS-DE-T-MD-SW ^b	8 (17)	50.0	47.1	6 (11)	35.3	54.5	8 (16)	28.6	50.0	SS-AD-T-MD-SW	4 (7)	18.2	57.1	5 (7)	31.3	71.4	5 (10)	25.0	50.0
SS-DE-W-MD-SW ^b	1 (2)	6.3	50.0	2 (2)	11.8	100.0	4 (7)	14.3	57.1	SS-AD-W-MD-SW	9 (14)	40.9	64.3	- (9)	0.0	-	6 (13)	30.0	46.2
SS-DE-CN-MD-SW-SWFE	2	28.6	-	1	11.1	-	2	12.5	-	SS-AD-CN-MD-SW-SWFE	2	22.2	-	6	54.5	-	1	11.1	-
SS-DE-CN-MD-SW-SWUE	2	28.6	-	5	55.6	-	7	43.8	-	SS-AD-CN-MD-SW-SWUE	3	33.3	-	3	27.3	-	7	77.8	-
SS-DE-CN-MD-SW-SWW	3	42.9	-	3	33.3	-	7	43.8	-	SS-AD-CN-MD-SW-SWW	4	44.4	-	2	18.2	-	1	11.1	-
SS-DE-T-MD-SW-SWFE	3	37.5	-	1	16.7	-	3	37.5	-	SS-AD-T-MD-SW-SWFE	1	25.0	-	2	40.0	-	2	40.0	-
SS-DE-T-MD-SW-SWUE	4	50.0	-	4	66.7	-	4	50.0	-	SS-AD-T-MD-SW-SWUE	2	50.0	-	1	20.0	-	2	40.0	-
SS-DE-T-MD-SW-SWW	1	12.5	-	1	16.7	-	1	12.5	-	SS-AD-T-MD-SW-SWW	1	25.0	-	2	40.0	-	1	20.0	-
SS-DE-W-MD-SW-SWFE	-	-	-	-	-	-	2	50.0	-	SS-AD-W-MD-SW-SWFE	3	33.3	-	-	-	-	2	33.3	-
SS-DE-W-MD-SW-SWUE	-	-	-	-	-	-	1	25.0	-	SS-AD-W-MD-SW-SWUE	2	22.2	-	-	-	-	1	16.7	-
SS-DE-W-MD-SW-SWW	1	100.0	-	2	100.0	-	1	25.0	-	SS-AD-W-MD-SW-SWW	4	44.4	-	-	-	-	3	50.0	-
SS-DE-LN-SW ^d	15 (32)	22.2	46.9	46 (82)	15.8	56.1	11 (21)	11.5	52.4	SS-AD-LN-SW	12 (24)	16.4	50.0	5 (10)	7.3	50.0	12 (20)	12.3	60.0
SS-DE-CN-LN-SW ^b	7 (15)	46.7	46.7	7 (11)	77.8	63.6	6 (10)	54.5	60.0	SS-AD-CN-LN-SW	5 (9)	41.7	55.6	4 (7)	80.0	57.1	9 (13)	75.0	69.2
SS-DE-T-LN-SW ^b	8 (13)	53.3	61.5	2 (8)	22.2	25.0	2 (6)	18.2	33.3	SS-AD-T-LN-SW	2 (3)	16.7	66.7	- (1)	0.0	-	3 (4)	25.0	75.0
SS-DE-W-LN-SW ^b	- (4)	-	0.0	- (2)	-	0.0	3 (5)	27.3	60.0	SS-AD-W-LN-SW	5 (12)	41.7	41.7	1 (2)	20.0	50.0	- (3)	-	0.0
SS-DE-CN-LN-SW-SWFE	-	-	-	3	42.9	-	1	16.7	-	SS-AD-CN-LN-SW-SWFE	-	-	-	-	-	-	2	22.2	-
SS-DE-CN-LN-SW-SWUE	5	71.4	-	1	14.3	-	5	83.3	-	SS-AD-CN-LN-SW-SWUE	4	80.0	-	2	50.0	-	5	55.6	-
SS-DE-CN-LN-SW-SWW	2	28.6	-	3	42.9	-	-	-	-	SS-AD-CN-LN-SW-SWW	1	20.0	-	2	50.0	-	2	22.2	-
SS-DE-T-LN-SW-SWFE	1	12.5	-	-	-	-	1	50.0	-	SS-AD-T-LN-SW-SWFE	1	50.0	-	-	-	-	1	33.3	-
SS-DE-T-LN-SW-SWUE	5	62.5	-	1	50.0	-	1	50.0	-	SS-AD-T-LN-SW-SWUE	1	50.0	-	-	-	-	2	66.7	-
SS-DE-T-LN-SW-SWW	2	25.0	-	1	50.0	-	-	-	-	SS-AD-T-LN-SW-SWW	-	-	-	-	-	-	-	-	-
SS-DE-W-LN-SW-SWFE	-	-	-	-	-	-	1	33.3	-	SS-AD-W-LN-SW-SWFE	-	-	-	1	100.0	-	-	-	-
SS-DE-W-LN-SW-SWUE	-	-	-	-	-	-	-	-	-	SS-AD-W-LN-SW-SWUE	1	20.0	-	-	-	-	-	-	-
SS-DE-W-LN-SW-SWW	-	-	-	-	-	-	2	66.7	-	SS-AD-W-LN-SW-SWW	4	80.0	-	-	-	-	-	-	-

Fr.= Frequency; Ef.= Effectiveness. a: The percentage refers to the relation FS/SS/DF about the total points analyzed. The effectiveness refers to the points won with second service by the player that serves; b: the percentage refers to the distribution of the points played with first service depending on the place (DE/AD); c: the frequency determines the number of points played with the pattern indicated (frequency of this pattern without considering the winner criteria –SW-). The percentage refers to the distribution of the points with first service depending on the zone (CN/T/W) and the effectiveness refers to the points won by the player that serves without considering the winning criteria (SW)