

**Appendix 2** Descriptive statistics for all covariates by year. Continuous and ordinal variables are presented as mean (SD), and compared with Welch t-tests. Dummy (Boolean) variables are presented as ratios and are compared with Fisher's Exact tests.

Variable	Min.	Max.	2009 ( <i>n</i> = 4150)	2010 ( <i>n</i> = 2623)	<i>P</i> -value
Observers B&C	0	1	0.22		
Observers F&C	0	1	0.19		
Observers B&F	0	1	0.16		
Observers D&B	0	1	0.14		
Observers D&F	0	1	0.13		
Observers D&C	0	1	0.11		
Observers E&A	0	1		0.21	
Observers D&E	0	1		0.12	
Observers D&G	0	1		0.11	
Observers E&G	0	1		0.10	
Observers (Other)	0	1	0.05	0.47	<0.001
Genus <i>Accipiter</i>	0	1	0.43	0.50	<0.001
Genus <i>Buteo</i>	0	1	0.25	0.25	0.75
Genus <i>Falco</i>	0	1	0.25	0.18	<0.001
Genus <i>Circus</i>	0	1	0.05	0.05	0.73
Genus <i>Pandion</i>	0	1	0.02	0.02	0.78
Genus (Eagles)	0	1	0.004	0.006	0.27
Wingspan (cm)	56	203	83.0 (31.0)	83.4 (30.8)	0.55
Wind-speed (kph)	0	38.5	11.4 (5.8)	8.3 (5.0)	<0.001
cos(Wind dir.)	-1	1	0.01 (0.61)	-0.18 (0.57)	<0.001
Temperature (°C)	-3.6	39.1	18.7 (8.4)	21.4 (5.6)	<0.001
<i>Cloud</i>	0	3	0.6 (0.9)	0.9 (1.1)	<0.001
<i>Alt.</i>	0	5	2.5 (1.6)	2.2 (1.7)	<0.001
<i>BPH</i>	0.5	216	42.1 (30.8)	35.9 (23.7)	<0.001
<i>Day</i>	3	67	27.9 (14.6)	33.1 (12.1)	<0.001
<i>Hour</i>	10	19	14.2 (2.0)	14.0 (1.9)	<0.001