

Table 2.20(j) Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Norwich (1982–2011)

Temperature / °C	Percentage frequency for stated range of wind speed / m·s ⁻¹																
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30	30–32	All speeds
Annual average																	
–12 to –10.1	0.00	0.00															0.00
–10 to –8.1	0.02	0.01															0.03
–8 to –6.1	0.08	0.04	0.00														0.12
–6 to –4.1	0.24	0.14	0.04	0.01	0.01												0.42
–4 to –2.1	0.60	0.39	0.11	0.05	0.02	0.00	0.00										1.17
–2 to –0.1	1.02	1.10	0.44	0.18	0.06	0.01	0.00	0.00									2.81
0 to 1.9	1.35	2.12	1.33	0.60	0.18	0.04	0.01	0.00									5.63
2 to 3.9	1.42	2.68	2.04	1.09	0.42	0.15	0.04	0.01	0.00	0.00							7.84
4 to 5.9	1.51	2.84	2.73	1.58	0.68	0.28	0.08	0.02	0.01	0.00							9.72
6 to 7.9	1.47	2.99	2.93	2.15	1.02	0.42	0.12	0.03	0.01	0.00	0.00						11.14
8 to 9.9	1.55	3.12	3.07	2.20	1.21	0.52	0.16	0.05	0.01	0.01							11.89
10 to 11.9	1.54	3.31	2.96	2.10	1.12	0.53	0.17	0.04	0.01	0.00	0.00						11.79
12 to 13.9	1.38	3.38	2.99	1.79	0.88	0.40	0.12	0.03	0.00	0.00	0.00						10.96
14 to 15.9	1.11	2.94	2.87	1.65	0.67	0.23	0.04	0.01	0.00								9.51
16 to 17.9	0.76	2.13	2.18	1.27	0.51	0.15	0.03	0.00	0.00								7.04
18 to 19.9	0.41	1.31	1.39	0.85	0.34	0.09	0.02	0.00									4.42
20 to 21.9	0.23	0.79	0.85	0.55	0.18	0.05	0.01	0.00									2.67
22 to 23.9	0.14	0.47	0.49	0.30	0.10	0.02	0.00										1.50
24 to 25.9	0.07	0.25	0.27	0.15	0.03	0.01	0.00										0.78
26 to 27.9	0.04	0.13	0.13	0.07	0.01	0.00											0.38
28 to 29.9	0.01	0.04	0.05	0.04	0.01												0.14
30 to 31.9	0.00	0.01	0.01	0.01	0.00												0.04
32 to 33.9	0.00	0.00	0.00	0.00													0.01
34 to 35.9		0.00															0.00
36 to 37.9																	
All temps.	14.94	30.17	26.86	16.61	7.46	2.90	0.81	0.19	0.04	0.02	0.01						100.00
Spring average																	
–12 to –10.1																	
–10 to –8.1	0.00																0.00
–8 to –6.1	0.00	0.01															0.01
–6 to –4.1	0.06	0.05															0.11
–4 to –2.1	0.34	0.18	0.04	0.00													0.55
–2 to –0.1	0.64	0.65	0.24	0.11	0.02	0.01											1.66
0 to 1.9	1.20	1.63	0.91	0.34	0.15	0.02	0.00	0.00									4.25
2 to 3.9	1.65	3.08	1.99	1.03	0.36	0.11	0.05	0.02	0.00	0.00							8.28
4 to 5.9	2.05	4.03	3.45	1.94	0.84	0.31	0.10	0.01									12.73
6 to 7.9	2.08	4.90	4.41	3.05	1.29	0.53	0.17	0.03	0.01	0.01	0.00						16.48
8 to 9.9	1.85	4.87	5.07	3.25	1.65	0.56	0.18	0.03	0.01	0.01							17.47
10 to 11.9	1.26	3.71	4.38	3.01	1.47	0.48	0.13	0.03	0.01	0.00	0.01						14.47
12 to 13.9	0.90	2.44	3.08	2.18	1.06	0.36	0.12	0.02	0.00		0.00						10.13
14 to 15.9	0.55	1.57	1.91	1.36	0.70	0.27	0.05	0.01	0.00		0.00	0.00					6.42
16 to 17.9	0.31	0.94	1.07	0.78	0.38	0.12	0.04	0.00									3.65
18 to 19.9	0.15	0.50	0.62	0.45	0.18	0.05	0.01										1.96
20 to 21.9	0.09	0.29	0.34	0.29	0.07	0.02	0.00										1.10
22 to 23.9	0.05	0.14	0.17	0.11	0.03	0.00											0.48
24 to 25.9	0.02	0.06	0.05	0.07	0.00												0.21
26 to 27.9	0.00	0.01	0.02	0.01													0.04
28 to 29.9		0.00		0.00													0.01
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	13.20	29.06	27.72	17.98	8.18	2.82	0.86	0.14	0.03	0.02	0.01	0.00					100.00

Table continues

Table 2.20(j) Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Norwich (1982–2011) — *continued*

Temperature / °C	Percentage frequency for stated range of wind speed / m·s ⁻¹																
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30	30–32	All speeds
Summer average																	
–12 to –10.1																	
–10 to –8.1																	
–8 to –6.1																	
–6 to –4.1																	
–4 to –2.1																	
–2 to –0.1																	
0 to 1.9	0.00	0.00															0.01
2 to 3.9	0.04	0.01															0.05
4 to 5.9	0.22	0.11	0.01														0.35
6 to 7.9	0.68	0.42	0.13	0.04	0.00												1.28
8 to 9.9	1.74	1.82	0.71	0.20	0.03	0.00											4.51
10 to 11.9	2.63	4.09	2.21	0.86	0.17	0.05	0.01										10.02
12 to 13.9	2.95	6.66	4.55	1.90	0.45	0.10	0.01										16.62
14 to 15.9	2.75	7.05	5.82	2.79	0.78	0.15	0.01										19.35
16 to 17.9	2.19	5.84	5.44	2.79	0.94	0.17	0.02	0.01	0.00								17.39
18 to 19.9	1.26	4.01	4.03	2.29	0.81	0.18	0.02										12.59
20 to 21.9	0.72	2.52	2.69	1.56	0.52	0.13	0.01										8.15
22 to 23.9	0.46	1.59	1.61	0.92	0.32	0.05											4.95
24 to 25.9	0.25	0.86	0.94	0.49	0.10	0.02											2.65
26 to 27.9	0.13	0.47	0.46	0.27	0.03	0.01											1.36
28 to 29.9	0.05	0.15	0.20	0.13	0.02												0.55
30 to 31.9	0.01	0.04	0.04	0.06	0.01												0.15
32 to 33.9	0.00	0.01	0.01	0.01													0.03
34 to 35.9	0.00	0.00															0.01
36 to 37.9																	
All temps.	16.08	35.65	28.85	14.31	4.18	0.86	0.07	0.01	0.00								100.00
Autumn average																	
–12 to –10.1																	
–10 to –8.1																	
–8 to –6.1	0.02	0.00															0.02
–6 to –4.1	0.11	0.01	0.00														0.12
–4 to –2.1	0.34	0.09	0.01														0.44
–2 to –0.1	0.78	0.48	0.12	0.01	0.01	0.00											1.39
0 to 1.9	1.24	1.19	0.57	0.09	0.04	0.01											3.15
2 to 3.9	1.31	1.76	1.06	0.32	0.12	0.02											4.60
4 to 5.9	1.79	2.66	2.03	0.79	0.20	0.07	0.01	0.01	0.01								7.55
6 to 7.9	2.09	3.68	3.07	1.65	0.55	0.15	0.03	0.00	0.00		0.00						11.23
8 to 9.9	2.35	4.65	4.00	2.22	1.04	0.40	0.08	0.01		0.00							14.77
10 to 11.9	2.23	5.19	4.45	3.02	1.35	0.54	0.14	0.02	0.01								16.95
12 to 13.9	1.66	4.36	4.18	2.77	1.53	0.63	0.12	0.03	0.00	0.01	0.00						15.30
14 to 15.9	1.12	3.09	3.70	2.40	1.18	0.47	0.10	0.02									12.07
16 to 17.9	0.54	1.72	2.17	1.50	0.71	0.32	0.07	0.01									7.04
18 to 19.9	0.23	0.73	0.90	0.65	0.38	0.14	0.04	0.01									3.07
20 to 21.9	0.11	0.35	0.36	0.36	0.14	0.05	0.01	0.01	0.00								1.39
22 to 23.9	0.05	0.13	0.17	0.15	0.07	0.01	0.00										0.57
24 to 25.9	0.02	0.08	0.08	0.05	0.02	0.00	0.00										0.25
26 to 27.9	0.01	0.02	0.05	0.02	0.01												0.10
28 to 29.9			0.00	0.01	0.00												0.01
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	15.98	30.19	26.92	16.00	7.33	2.82	0.62	0.11	0.02	0.01	0.00						100.00

Table continues

Table 2.20(j) Annual and seasonal average percentage frequencies of hourly wind speed by temperature: Norwich (1982–2011) — *continued*

Temperature / °C	Percentage frequency for stated range of wind speed / m·s ⁻¹															All speeds	
	0–2	2–4	4–6	6–8	8–10	10–12	12–14	14–16	16–18	18–20	20–22	22–24	24–26	26–28	28–30		30–32
Winter average																	
–12 to –10.1	0.01	0.01															0.02
–10 to –8.1	0.07	0.05															0.12
–8 to –6.1	0.29	0.14	0.01														0.44
–6 to –4.1	0.79	0.49	0.15	0.03	0.02	0.00											1.47
–4 to –2.1	1.72	1.30	0.42	0.18	0.09	0.01	0.01	0.00									3.73
–2 to –0.1	2.68	3.28	1.41	0.59	0.23	0.03	0.01	0.01									8.25
0 to 1.9	2.99	5.69	3.86	1.97	0.52	0.15	0.04	0.00									15.21
2 to 3.9	2.68	5.88	5.13	3.03	1.23	0.49	0.11	0.01	0.00	0.00							18.56
4 to 5.9	1.97	4.60	5.45	3.59	1.68	0.74	0.19	0.07	0.02	0.01	0.00						18.32
6 to 7.9	1.02	2.94	4.10	3.86	2.27	1.01	0.29	0.08	0.01	0.01	0.01						15.59
8 to 9.9	0.23	1.12	2.48	3.12	2.12	1.13	0.40	0.15	0.02	0.02							10.78
10 to 11.9	0.04	0.22	0.79	1.50	1.50	1.04	0.42	0.12	0.03	0.01	0.00	0.00					5.67
12 to 13.9	0.01	0.02	0.10	0.29	0.49	0.50	0.23	0.06	0.01	0.00							1.71
14 to 15.9	0.00	0.01	0.02	0.02	0.03	0.02	0.01	0.01	0.00								0.12
16 to 17.9		0.00	0.01														0.01
18 to 19.9																	
20 to 21.9																	
22 to 23.9																	
24 to 25.9																	
26 to 27.9																	
28 to 29.9																	
30 to 31.9																	
32 to 33.9																	
34 to 35.9																	
36 to 37.9																	
All temps.	14.48	25.74	23.93	18.18	10.18	5.11	1.71	0.51	0.10	0.05	0.01	0.00					100.00