Minimum Temperature Model with Different Meteorological Parameters Average Periods

1 Meteorological variables averaged from previous 1 to 3 weeks
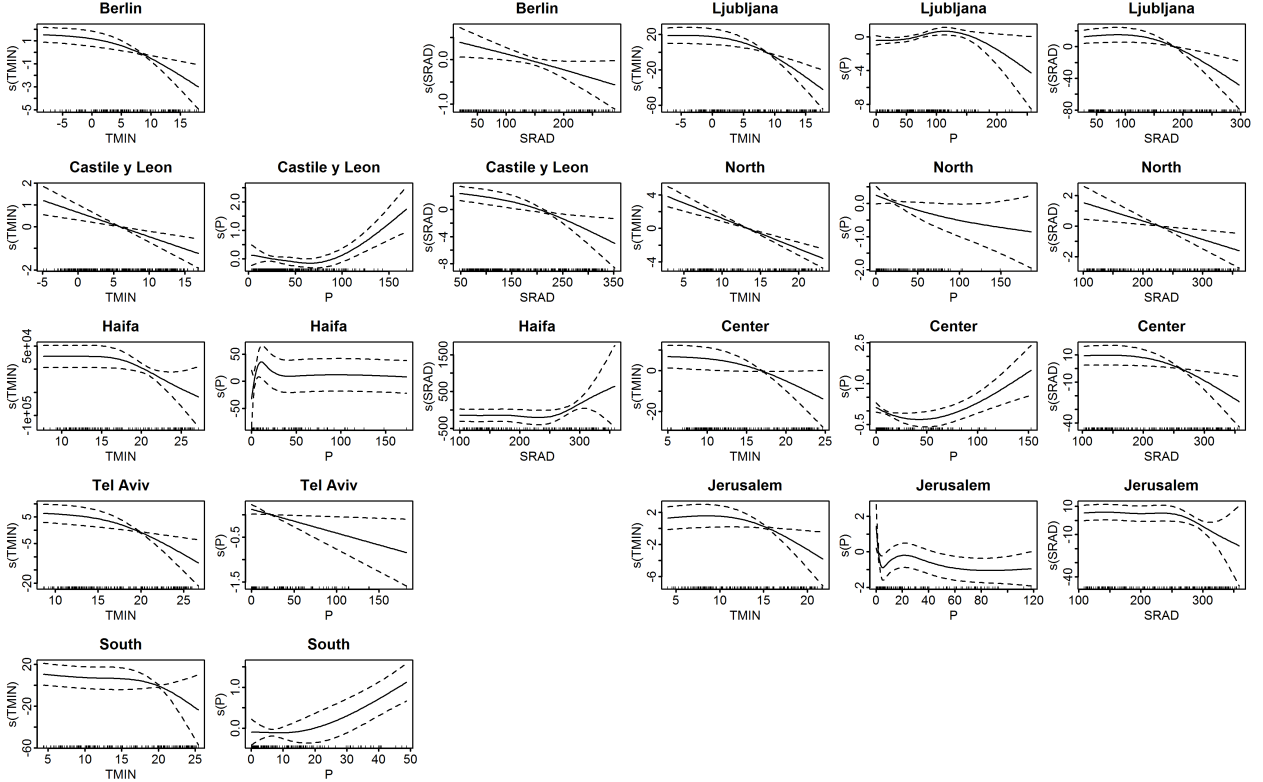

Fig. A. Resulting meteorological smooth terms. Only terms that are significant are plotted. The y-axis is in the log scale and normalized, x-axis is the value of the meteorological variable. TMIN = minimum temperature, P = Precipitation, SRAD = Solar Radiation.

Table A. Meteorological smooth term effective degree of freedom and p-value in parenthesis

	Minimum Temperature	Precipitation	Solar Radiation	Adj.Rsq	% Dev. Expl.
Berlin	1.8 (1e-04)		1.05 (0.04)	0.72	77.2
Ljubljana	1.93 (6e-07)	2.77 (0.04)	1.91 (9e-04)	0.44	68.8
Castile Y Leon	1 (3e-04)	2.3 (0.01)	1.69 (2e-08)	0.56	72.9
North	1 (3e-09)	1.23 (0.05)	1 (0.005)	0.45	70.1
Haifa	2.64 (9e-06)	3.98 (4e-05)	3.86 (4e-05)	0.52	83.4
Center	1.7 (0.002)	1.84 (0.002)	1.88 (0.03)	0.64	84.6
Tel Aviv	1.82 (2e-06)	1 (0.02)		0.58	75.8
Jerusalem	1.85 (0.05)	3.91 (3e-05)	3.85 (4e-04)	0.80	88.6
South	2.75 (8e-13)	1.68 (2e-05)	2.02 (0.1)	0.72	78.3

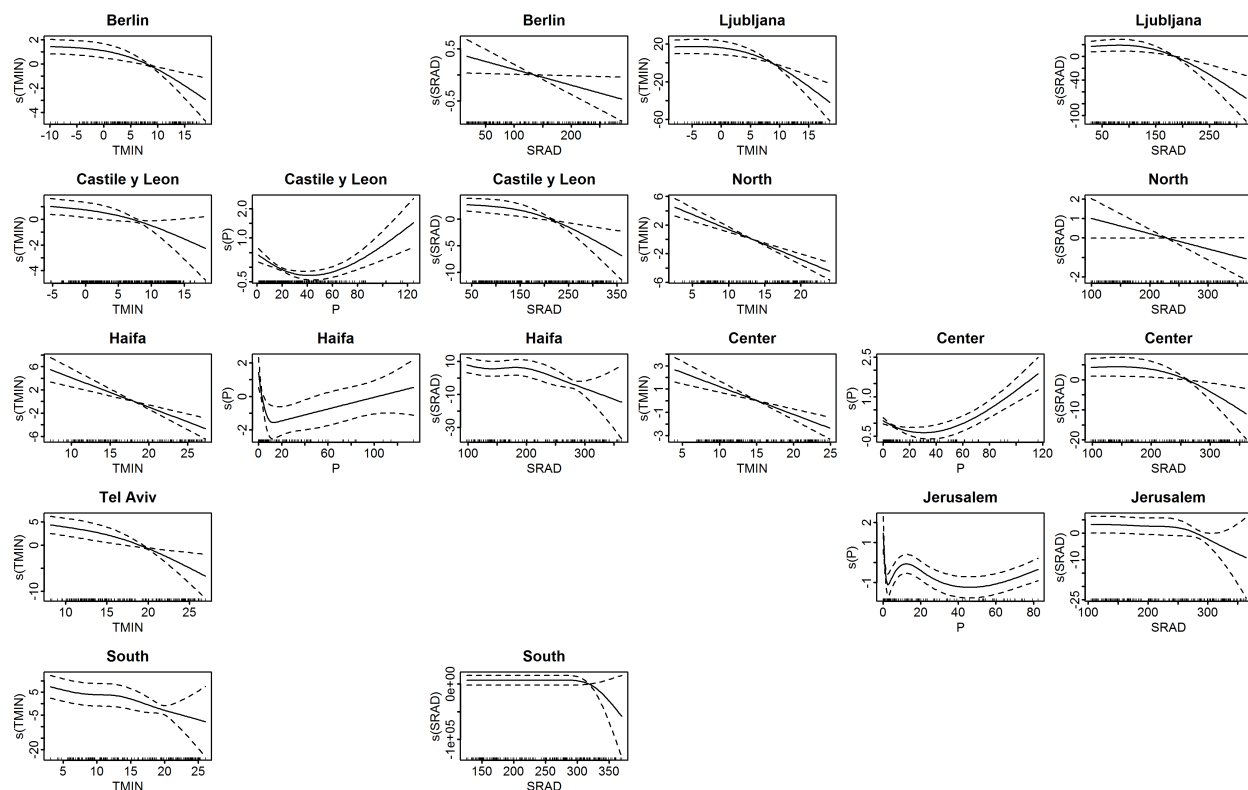# 2 Meteorological variables averaged from previous 1 to 2 weeks

Fig. B. Resulting meteorological smooth terms. Only terms that are significant are plotted. The y-axis is in the log scale and normalized, x-axis is the value of the meteorological variable. TMIN = minimum temperature, P = Precipitation, SRAD = Solar Radiation.

Table B. Meteorological smooth term effective degree of freedom and p-value in parenthesis

	Minimum Temperature	Precipitation	Solar Radiation	Adj.Rsq	% Dev. Expl.
Berlin	1.81 (1e-04)		1 (0.03)	0.72	77.2
Ljubljana	1.95 (5e-08)		1.94 (0.001)	0.41	70.9
Castile Y Leon	1.49 (0.002)	1.94 (1e-04)	1.81 (4e-07)	0.56	72.7
North	1 (1e-11)	1 (0.08)	1 (0.05)	0.56	73.1
Haifa	1 (8e-07)	2.88 (0.004)	2.99 (0.002)	0.52	65.8
Center	1 (1e-06)	1.95 (2e-08)	1.88 (0.03)	0.87	87.0
Tel Aviv	1.73 (1e-07)	1.74 (0.1)		0.67	76.1
Jerusalem	1.81 (0.06)	3.98 (1e-08)	3.67 (0.004)	0.79	88.1
South	2.89 (0.004)		4.78 (7e-11)	0.76	80.4