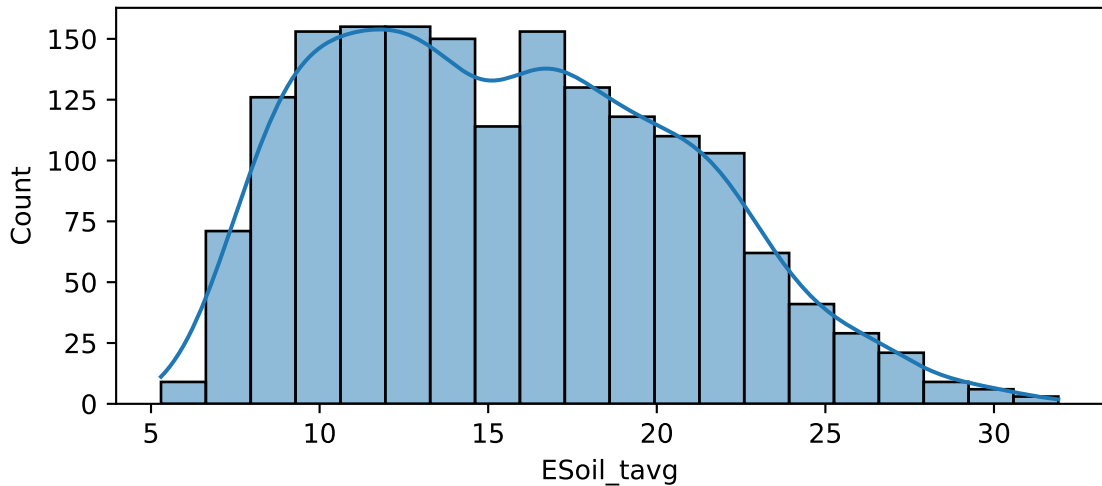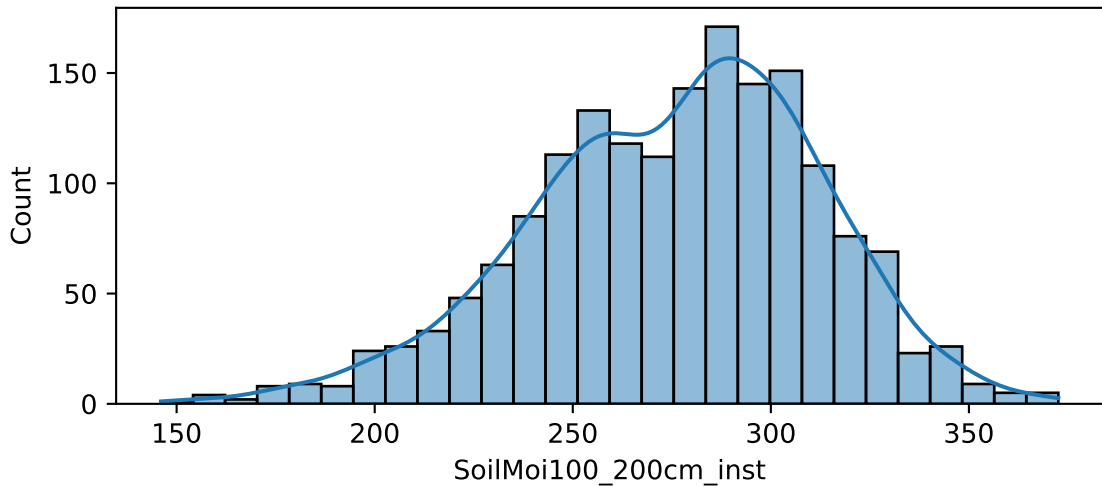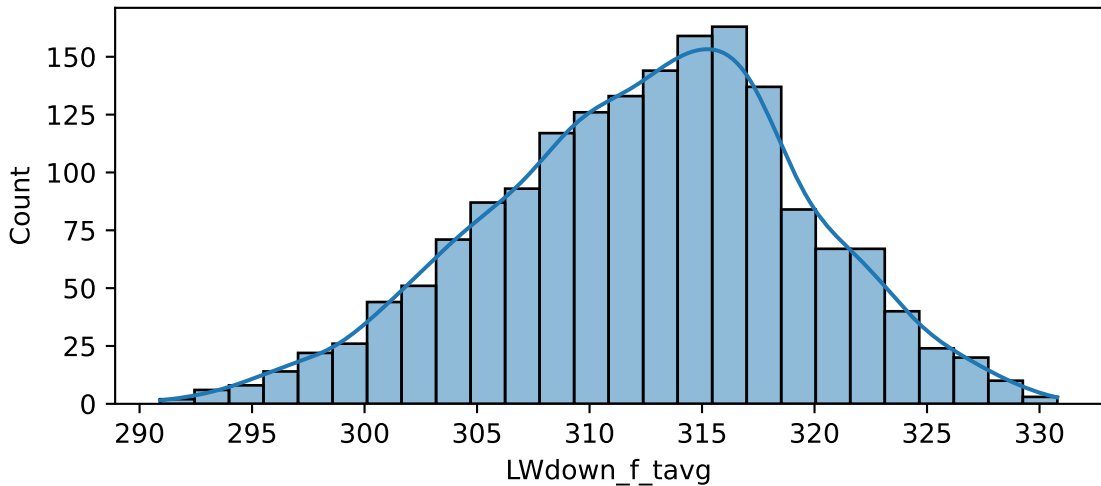Hist & KDE: ESoil_tavg
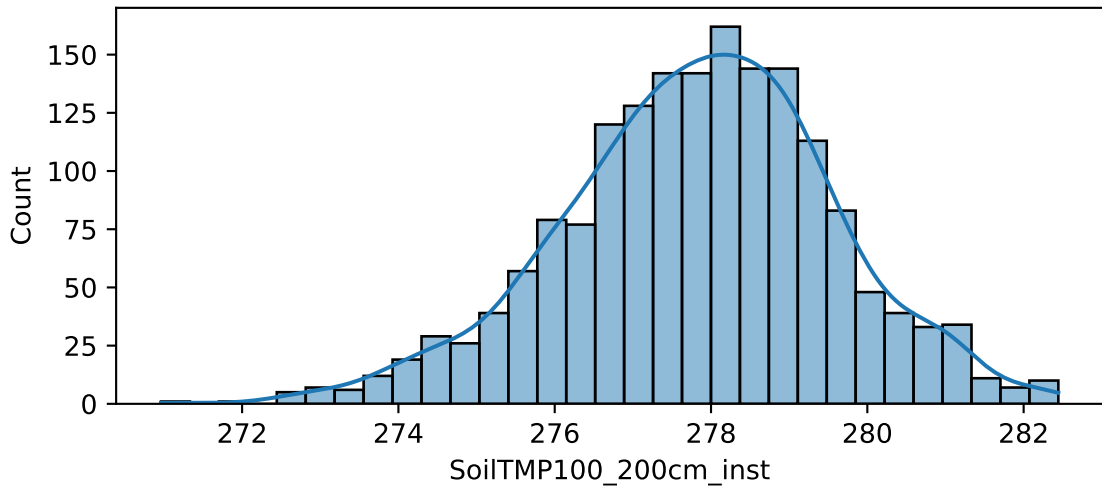
Hist & KDE: SoilMoi100_200cm_inst
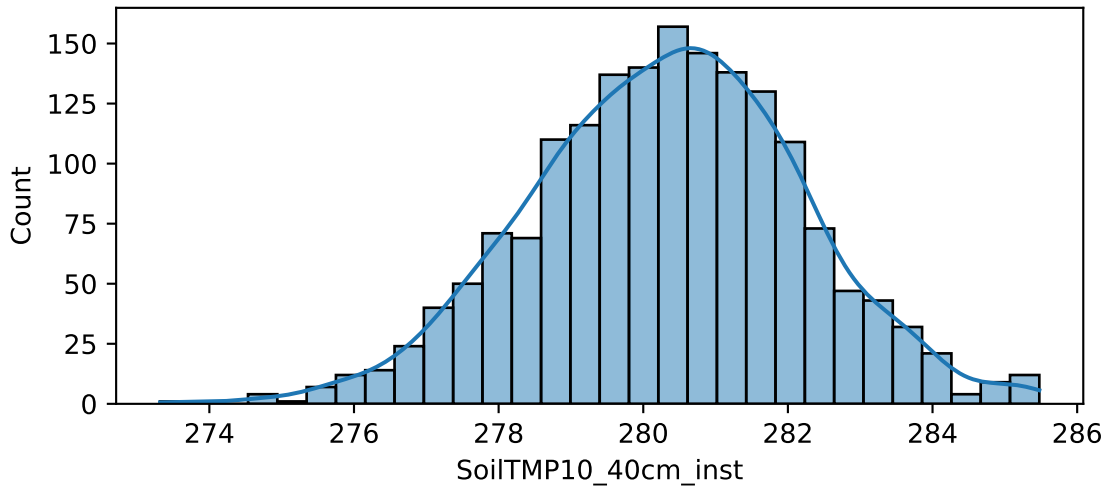
Hist & KDE: LWdown_f_tavg

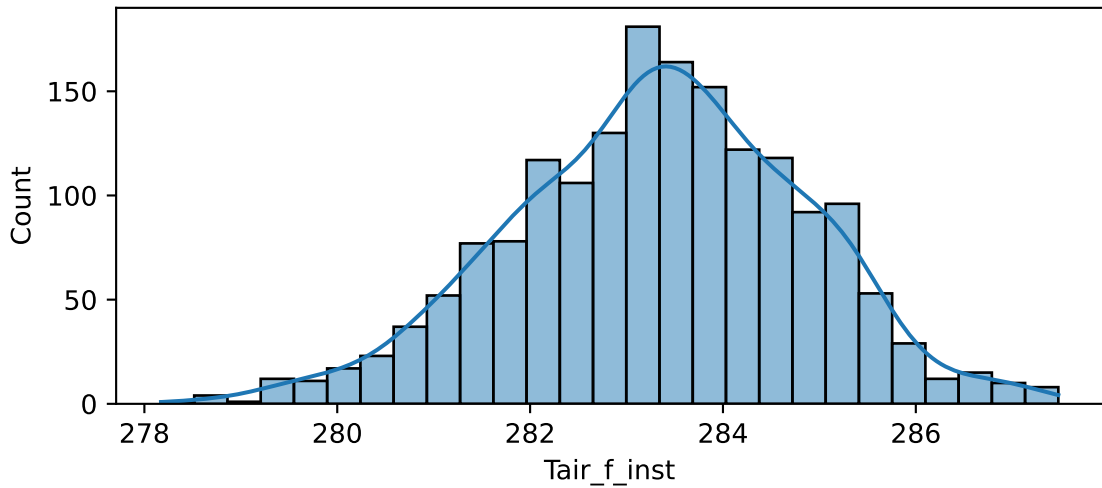Hist & KDE: SoilTMP100_200cm_inst

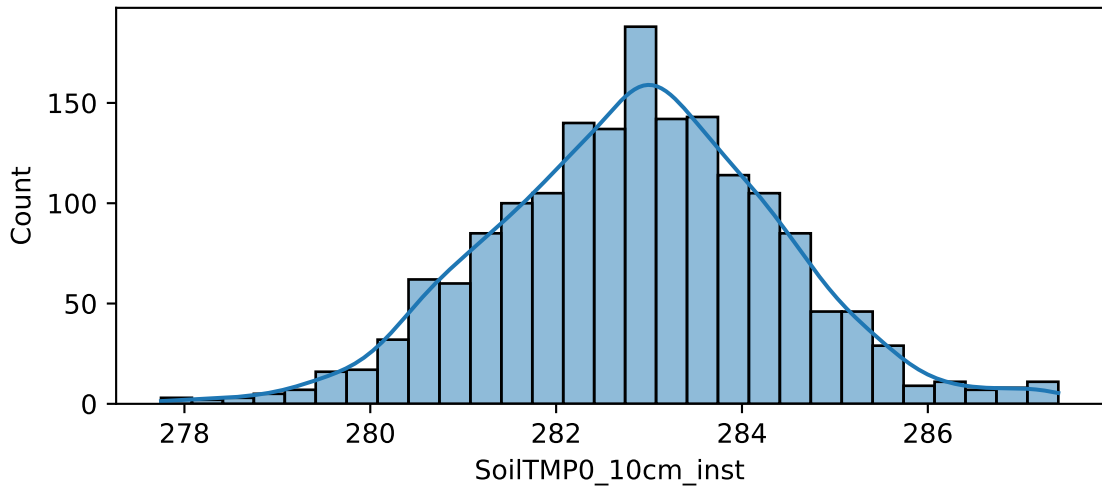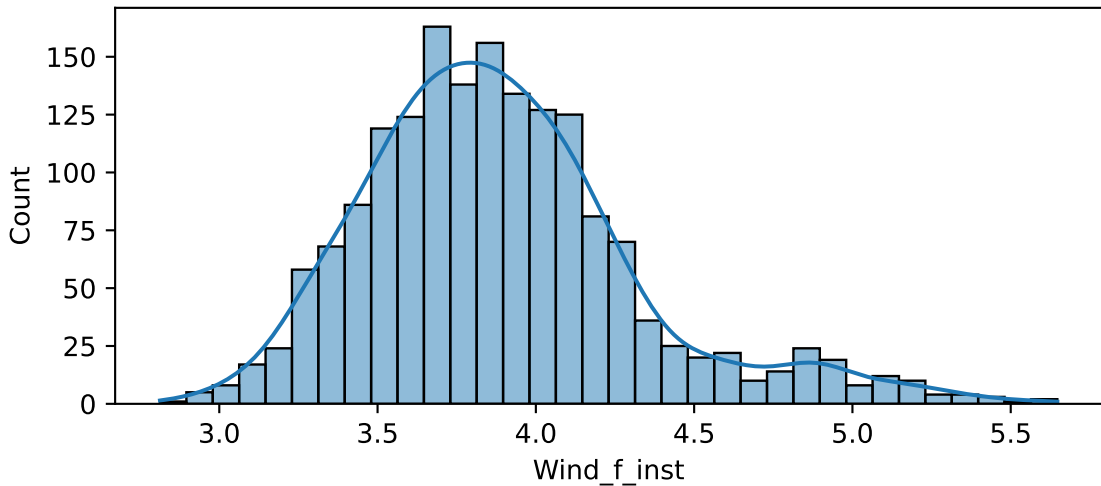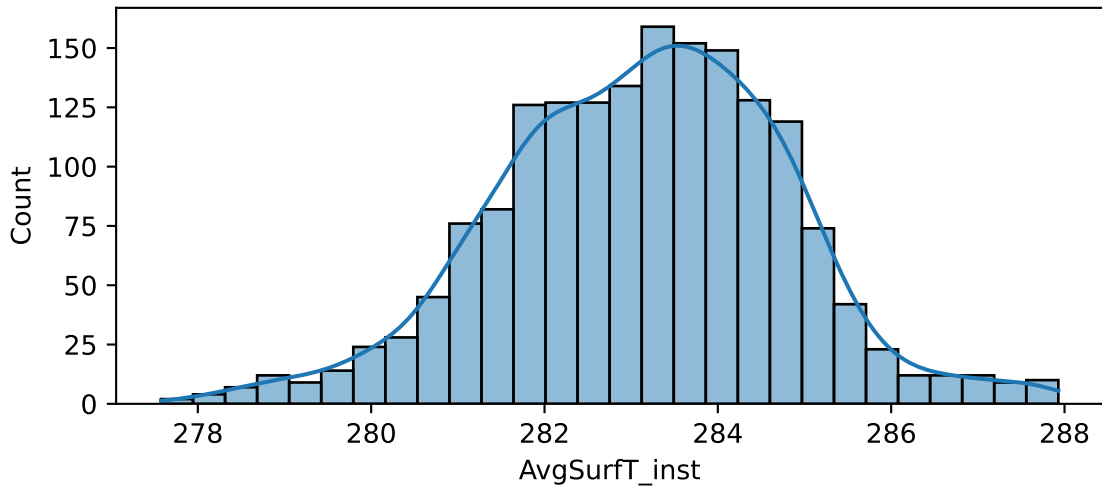Hist & KDE: SoilTMP10_40cm_inst

Hist & KDE: Tair_f_inst
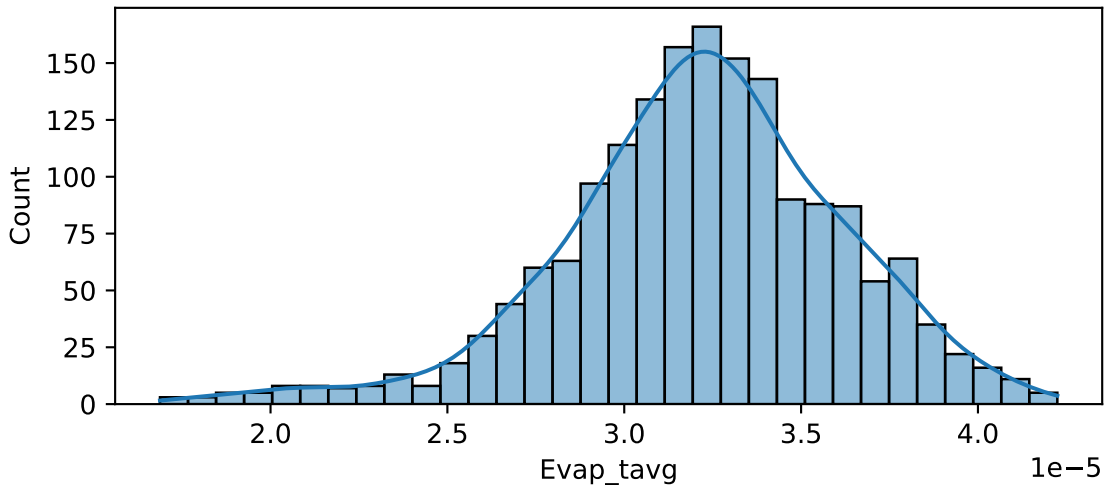
Hist & KDE: SoilTMP0_10cm_inst

Hist & KDE: Wind_f_inst

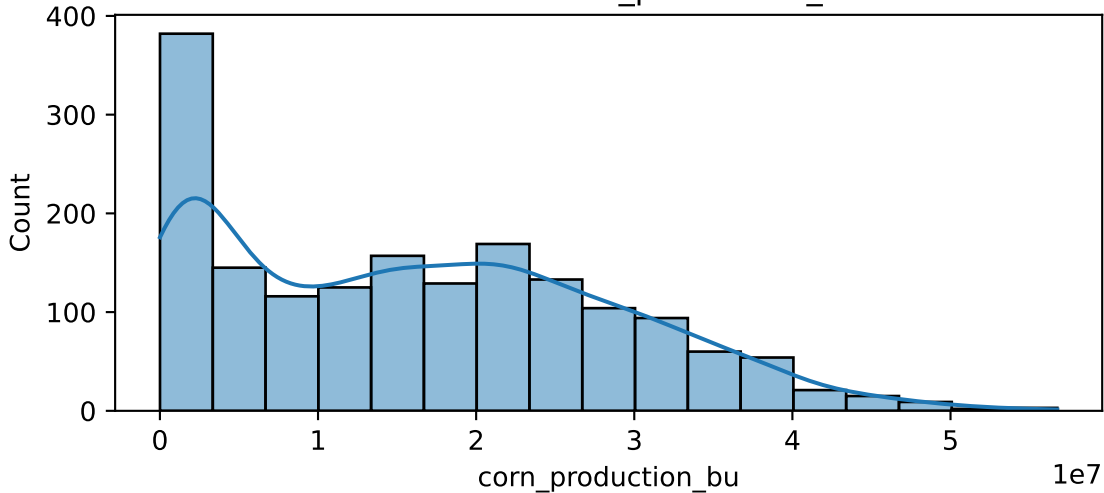Hist & KDE: AvgSurfT_inst
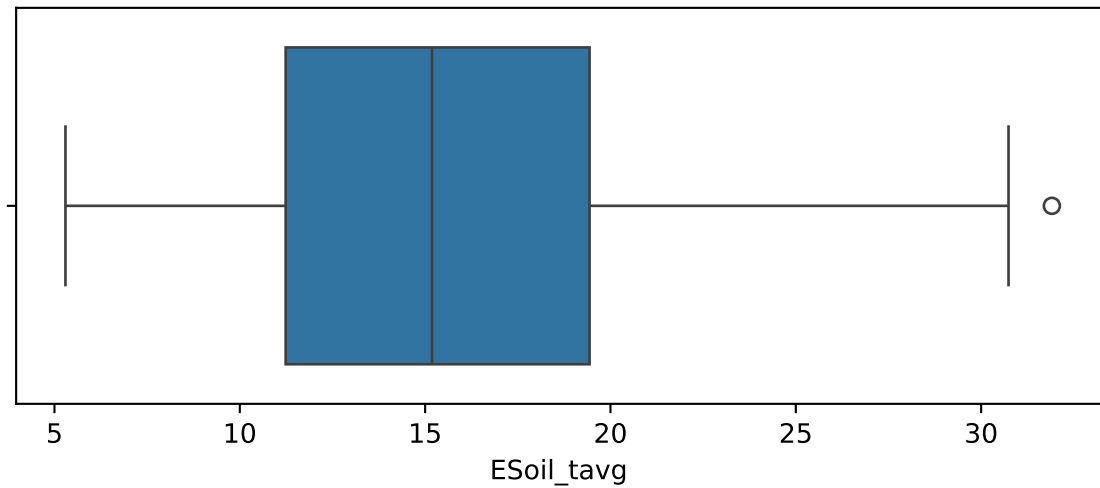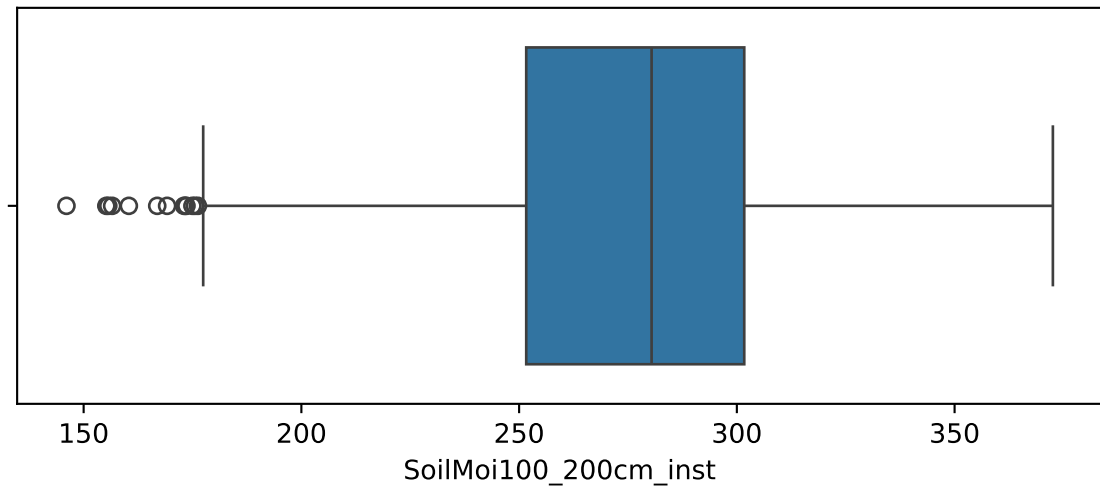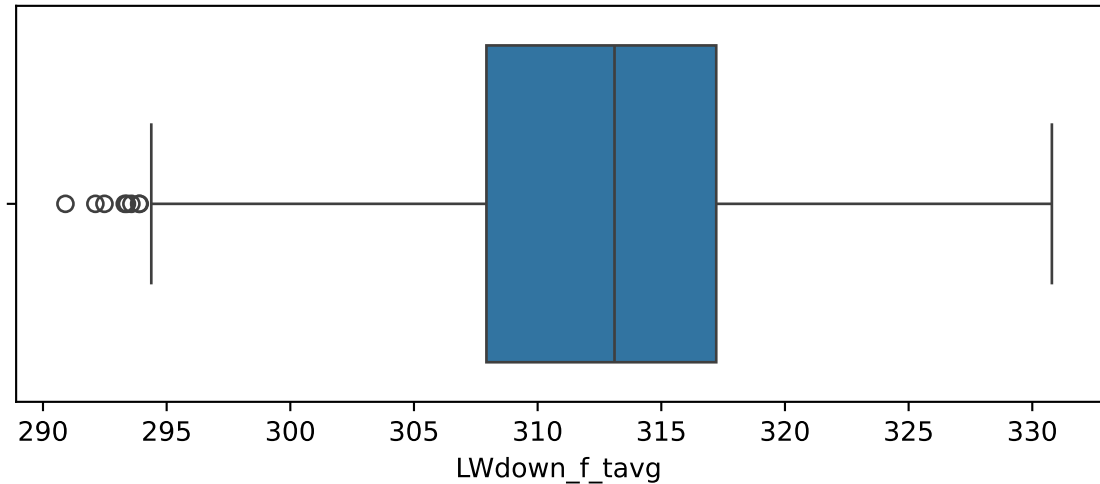
Hist & KDE: Evap_tavg

Hist & KDE: corn_production_bu

Boxplot: ESoil_tavg

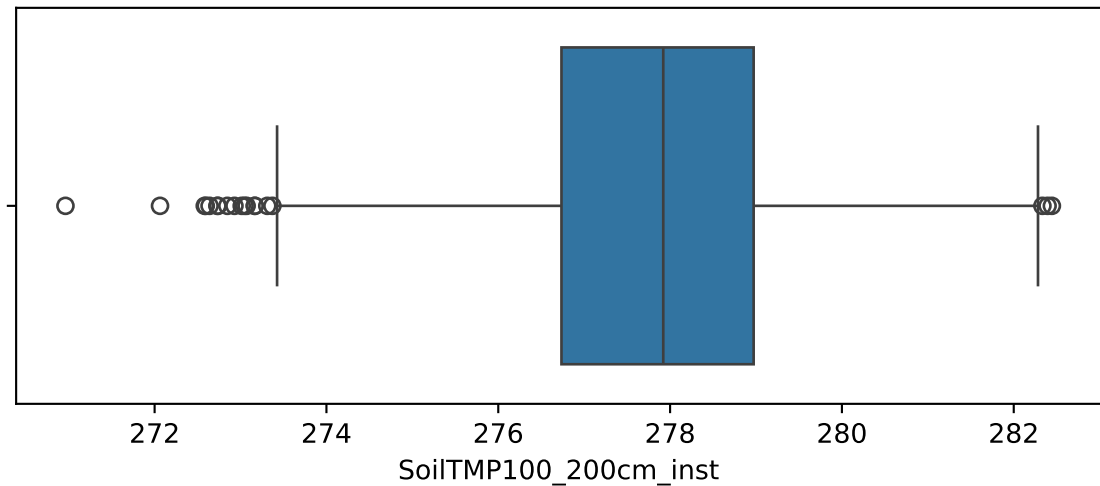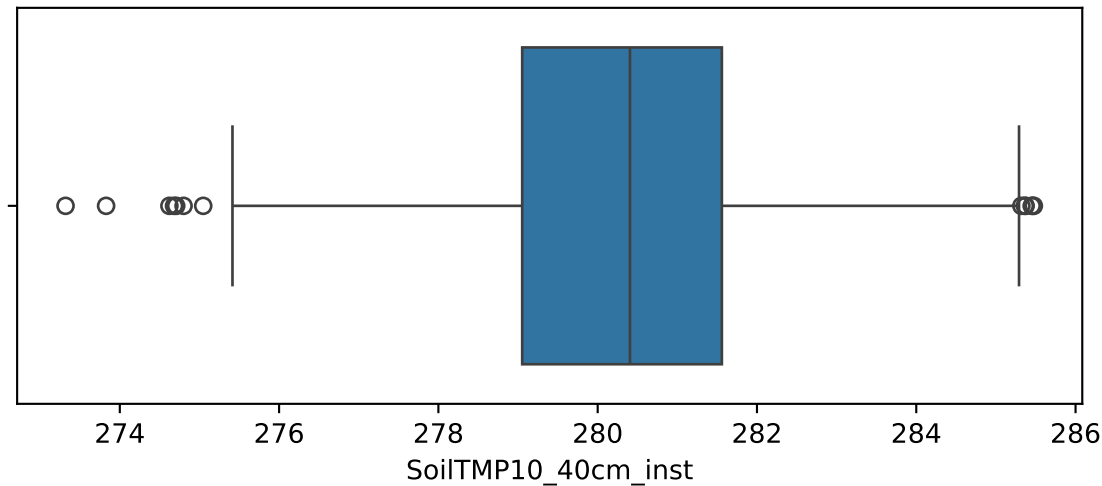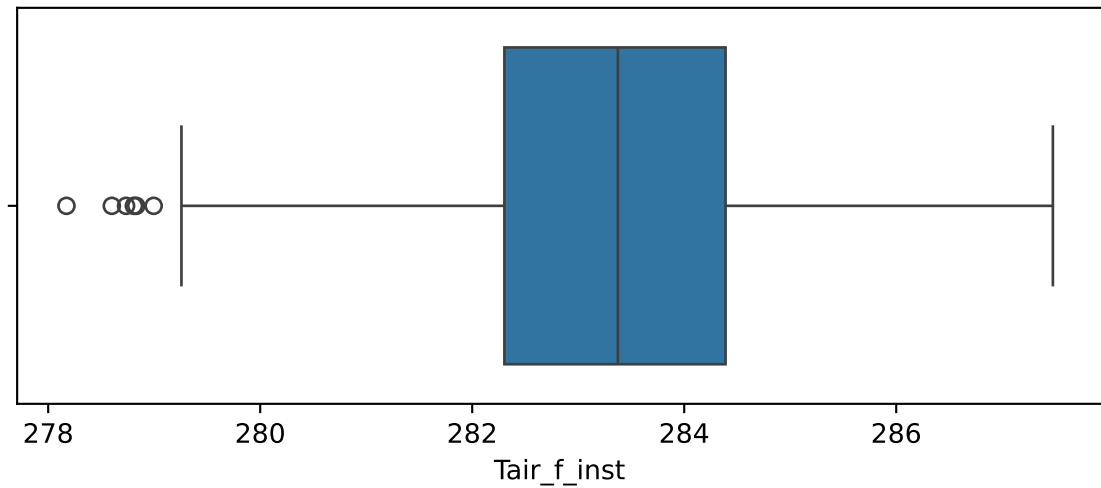Boxplot: SoilMoi100_200cm_inst
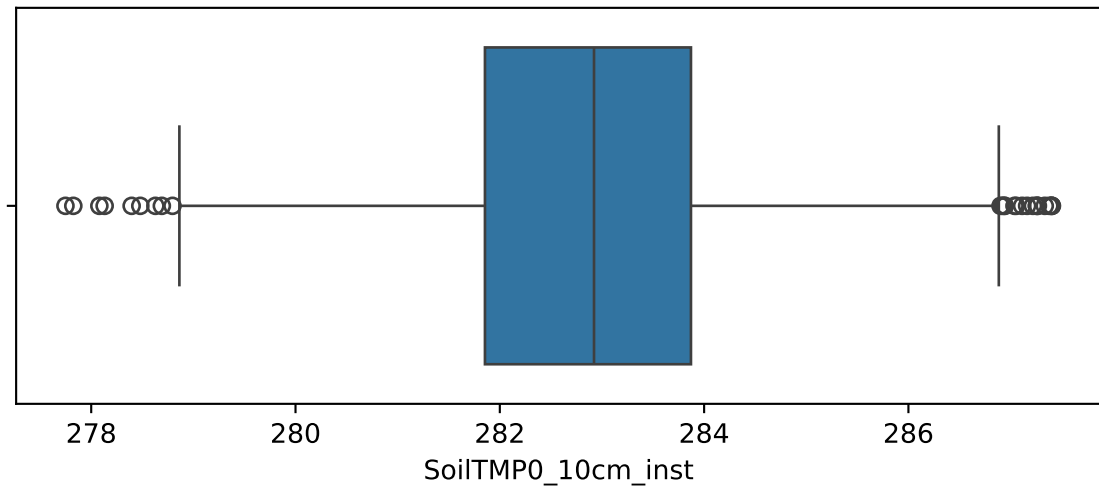
Boxplot: LWdown_f_tavg

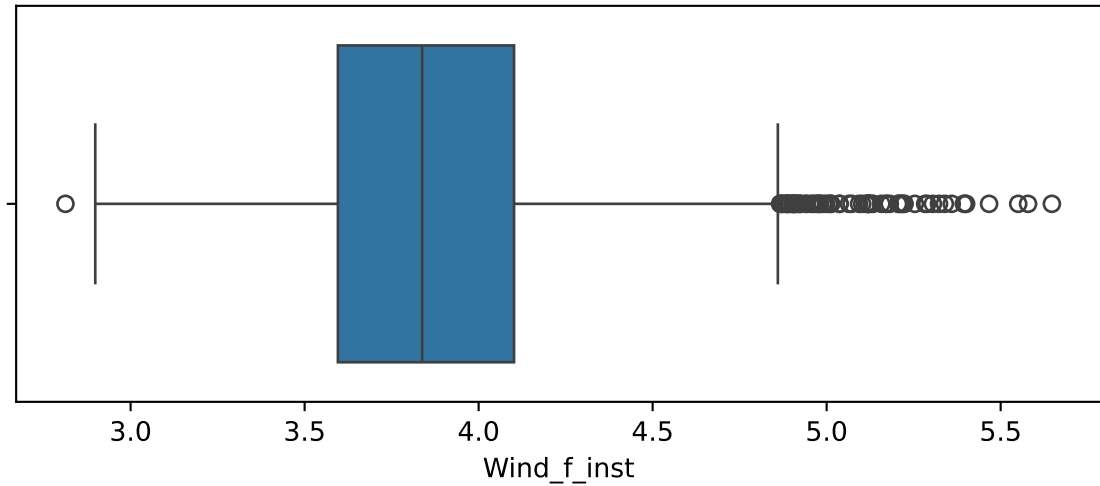Boxplot: SoilTMP100_200cm_inst
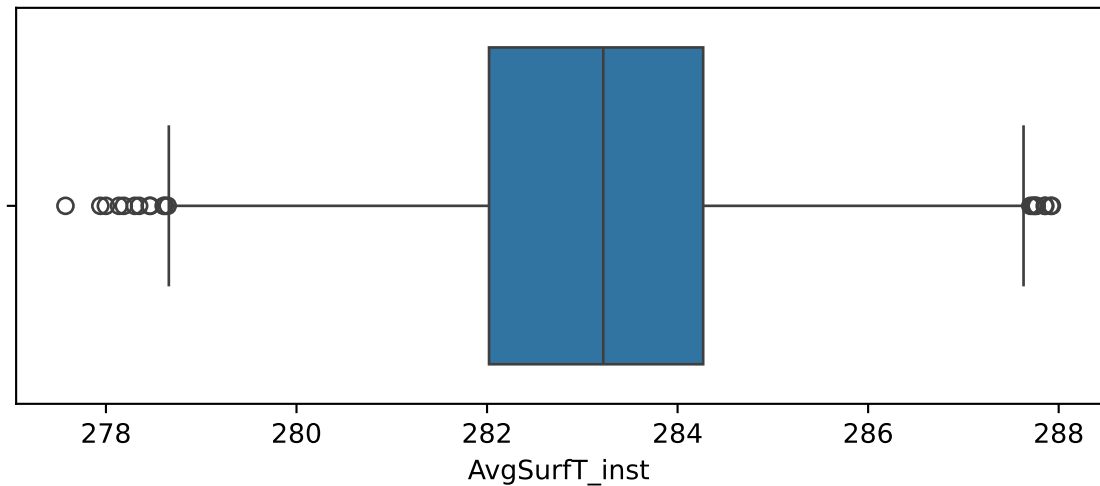
Boxplot: SoilTMP10_40cm_inst
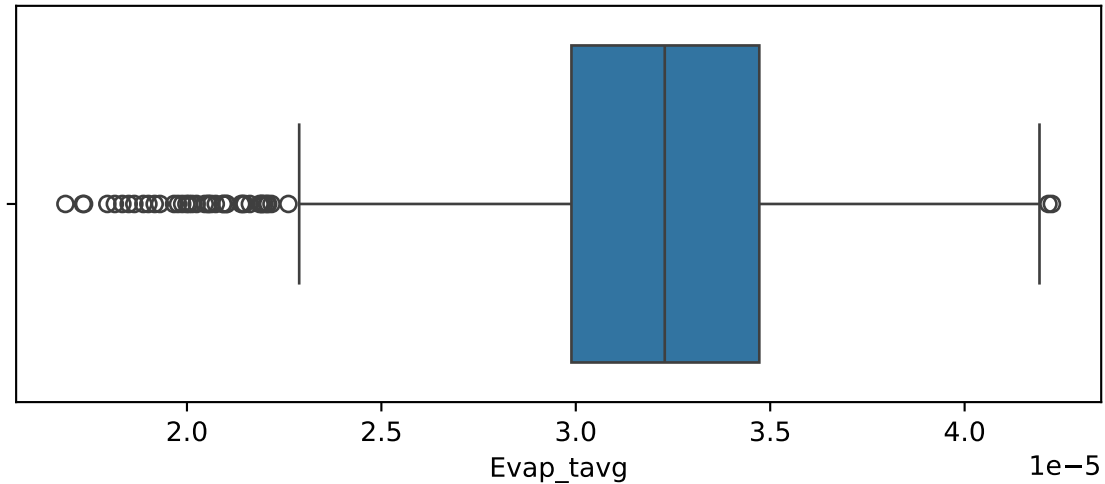
Boxplot: Tair_f_inst
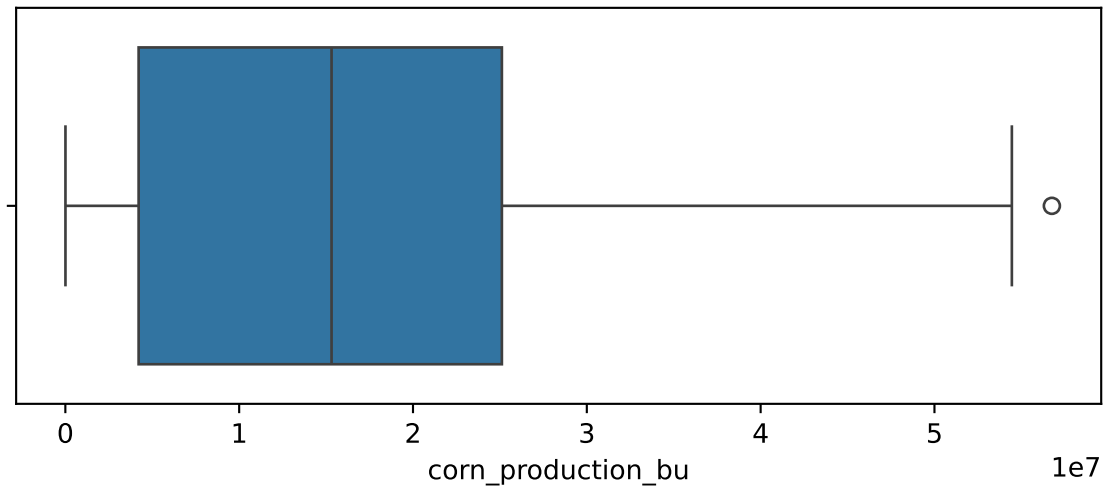
Boxplot: SoilTMP0_10cm_inst
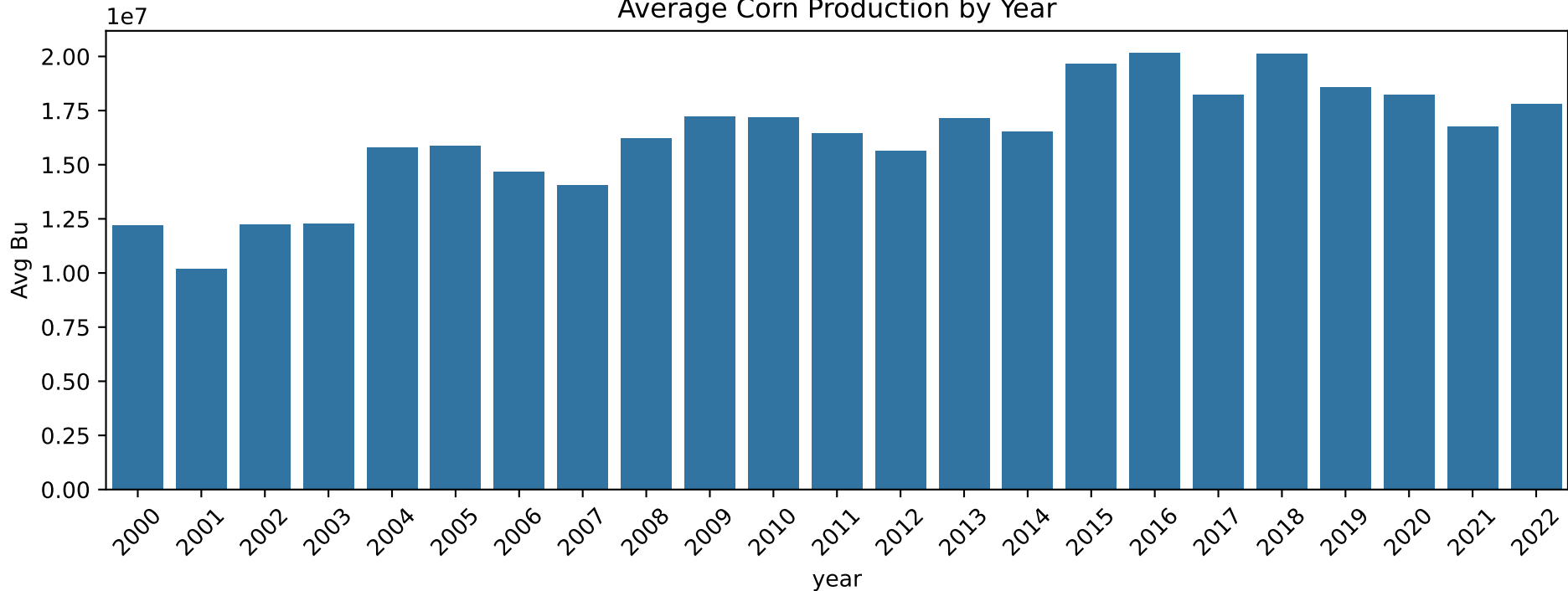
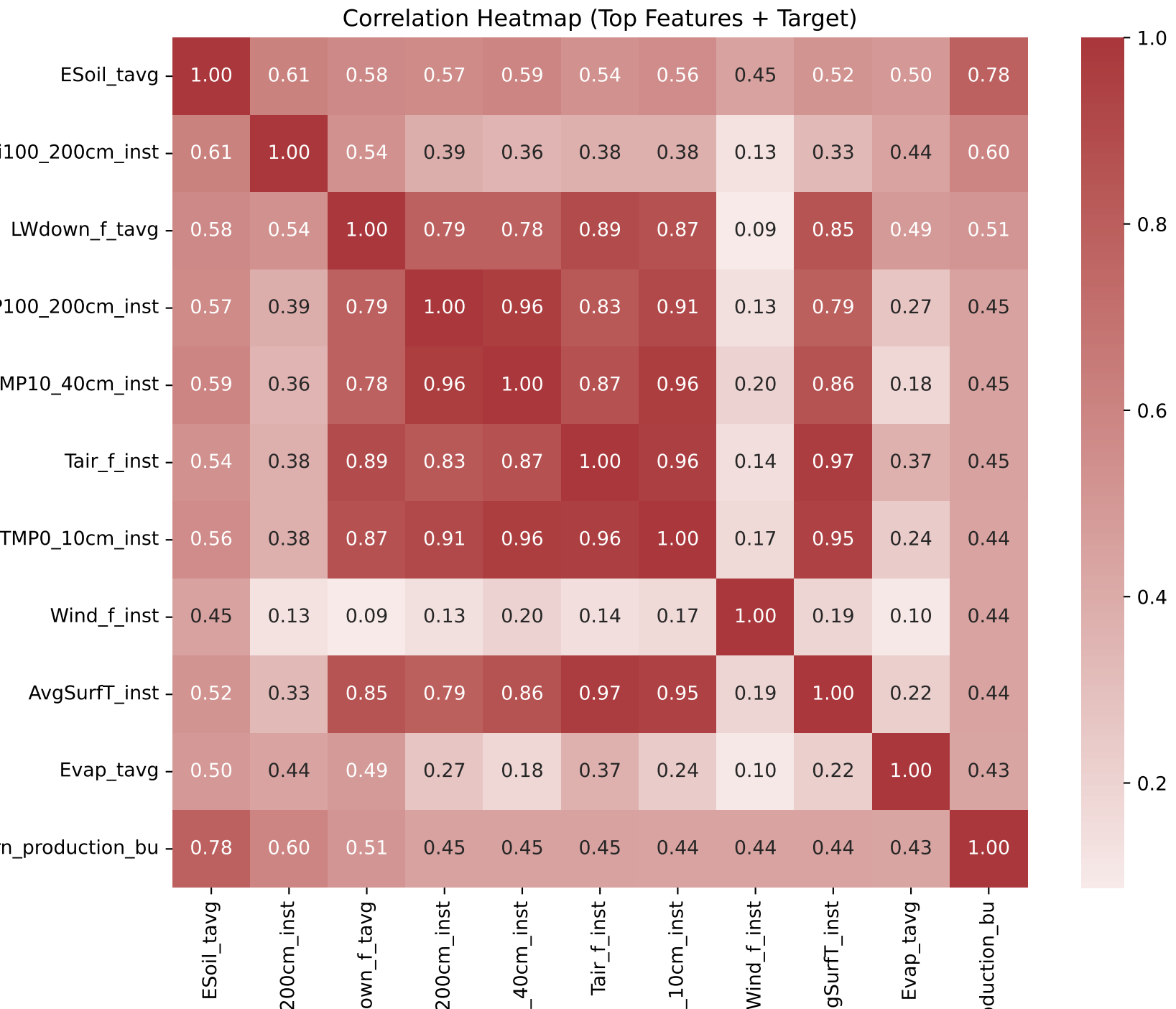Boxplot: Wind_f_inst

Boxplot: AvgSurfT_inst
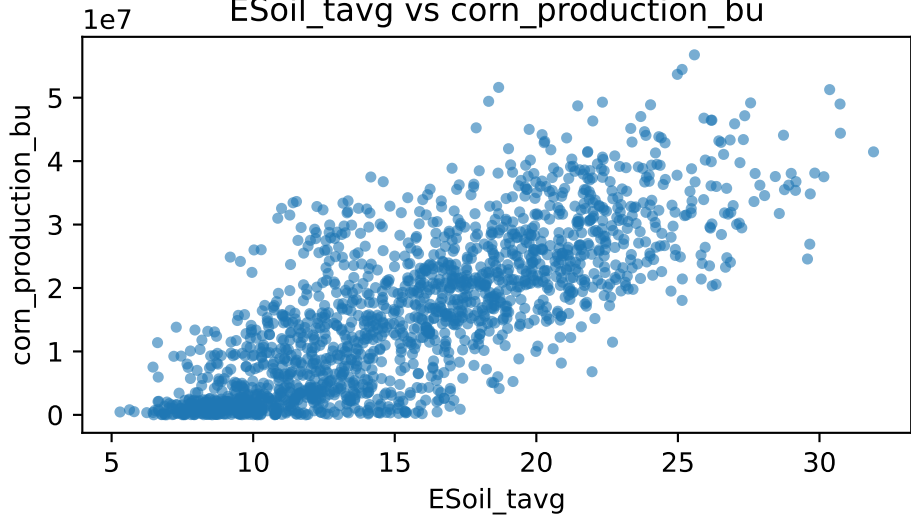
Boxplot: Evap_tavg

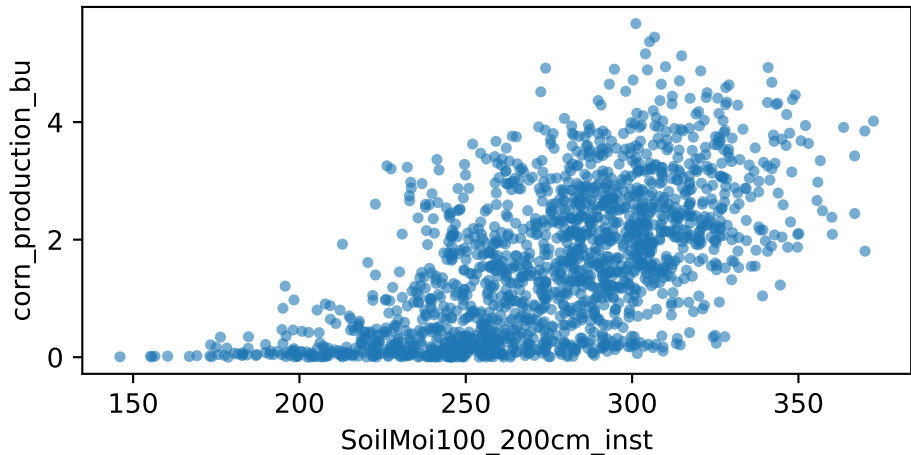Boxplot: corn_production_bu

Average Corn Production by Year

Correlation Heatmap (Top Features + Target)

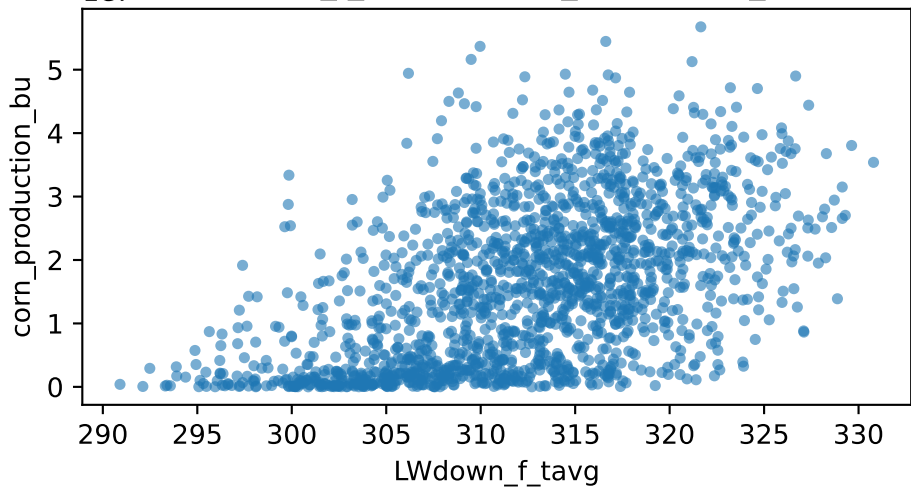|	ESoil_tavg	200cm_inst	own_f_tavg	200cm_inst	_40cm_inst	Tair_f_inst	_10cm_inst	Wind_f_inst	gSurfT_inst	Evap_tavg	duction_bu
ESoil_tavg	1.00	0.61	0.58	0.57	0.59	0.54	0.56	0.45	0.52	0.50	0.78
i100_200cm_inst	0.61	1.00	0.54	0.39	0.36	0.38	0.38	0.13	0.33	0.44	0.60
LWdown_f_tavg	0.58	0.54	1.00	0.79	0.78	0.89	0.87	0.09	0.85	0.49	0.51
P100_200cm_inst	0.57	0.39	0.79	1.00	0.96	0.83	0.91	0.13	0.79	0.27	0.45
MP10_40cm_inst	0.59	0.36	0.78	0.96	1.00	0.87	0.96	0.20	0.86	0.18	0.45
Tair_f_inst	0.54	0.38	0.89	0.83	0.87	1.00	0.96	0.14	0.97	0.37	0.45
TMP0_10cm_inst	0.56	0.38	0.87	0.91	0.96	0.96	1.00	0.17	0.95	0.24	0.44
Wind_f_inst	0.45	0.13	0.09	0.13	0.20	0.14	0.17	1.00	0.19	0.10	0.44
AvgSurfT_inst	0.52	0.33	0.85	0.79	0.86	0.97	0.95	0.19	1.00	0.22	0.44
Evap_tavg	0.50	0.44	0.49	0.27	0.18	0.37	0.24	0.10	0.22	1.00	0.43
n_production_bu	0.78	0.60	0.51	0.45	0.45	0.45	0.44	0.44	0.44	0.43	1.00

ESoil_tavg vs corn_production_bu

SoilMoi100_200cm_inst vs corn_production_bu
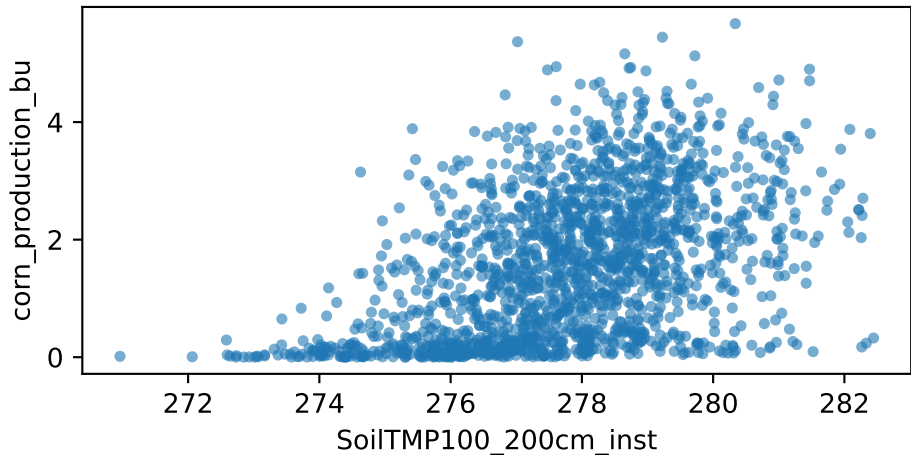
LWdown_f_tavg vs corn_production_bu
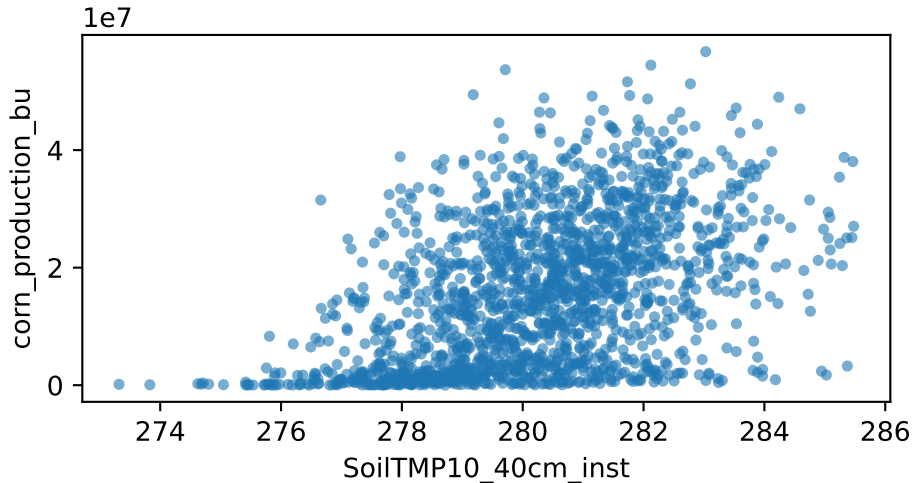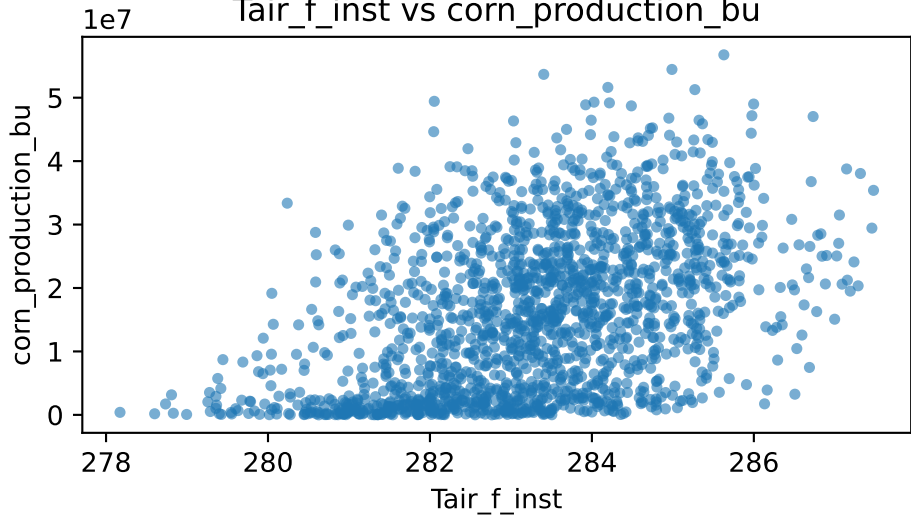
SoilTMP100_200cm_inst vs corn_production_bu
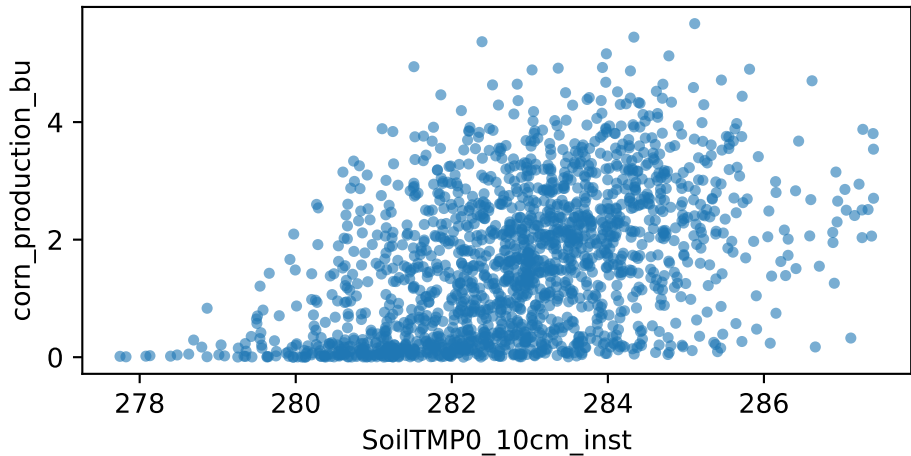
SoilTMP10_40cm_inst vs corn_production_bu
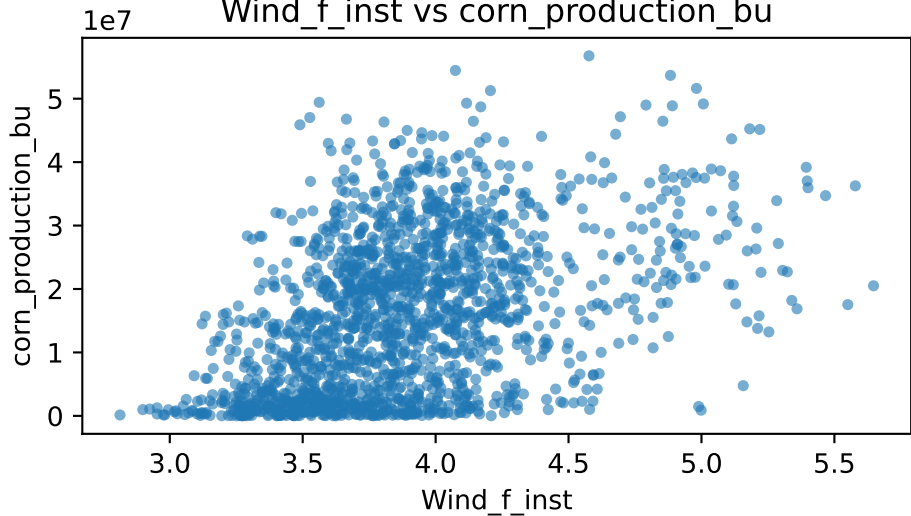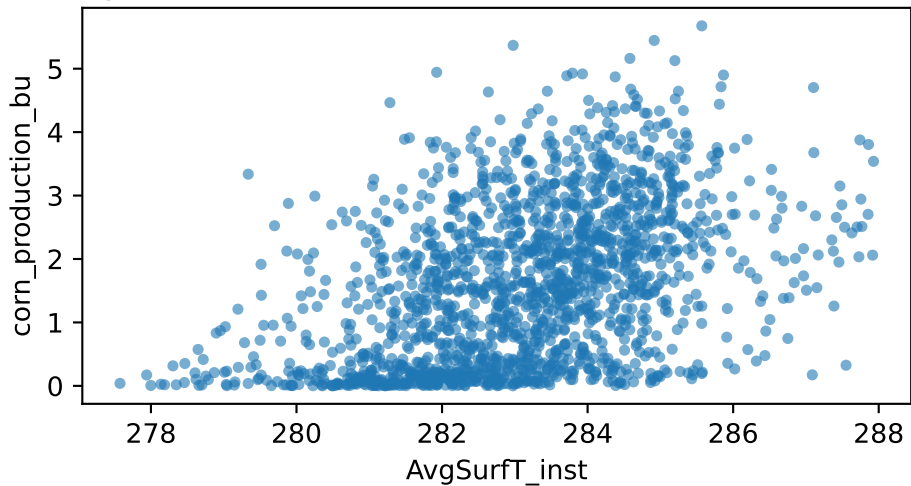
Tair_f_inst vs corn_production_bu

SoilTMP0_10cm_inst vs corn_production_bu

Wind_f_inst vs corn_production_bu

AvgSurfT_inst vs corn_production_bu

Evap_tavg vs corn_production_bu