

1 Appendix 2c

Table 1.1: Statistics for univariate linear regression models comparing FDis with hydrological metrics. *p.adj* represents *p* values which have been adjusted to control the false discovery rate. Relationships which remained significant following adjustment are shown in bold typeface. * All models are linear apart from M_MinM and CVMDFSummer, for which a quadratic model (*df* = 2,12) provided a substantially better fit.

<i>metric</i>	<i>p</i>	<i>p.adj</i>	<i>R</i> ²	<i>F</i> (1,13)
CVAnnHSPeak	0.001	0.0152	0.577	17.750
M_MinM	0.0094	0.0278	0.540	*7.0560
MDFMDFSummer	0.0031	0.023	0.503	13.170
CVMDFSummer	0.0218	0.0325	0.472	*5.3560
CVMDFWinter	0.0096	0.0278	0.414	9.194
CVAnnMRateRise	0.011	0.0278	0.403	8.781
CVAnnMRateFall	0.0129	0.0278	0.390	8.299
MDFMDFSpring	0.0134	0.0278	0.386	8.180
AS20YrARI	0.0148	0.0278	0.377	7.879
M_MDFM	0.0209	0.0325	0.347	6.908
M_MaxM	0.0258	0.0325	0.328	6.330
CVMDFSpring	0.026	0.0325	0.327	6.313
CVMDFAutumn	0.0342	0.0386	0.301	5.595
CVAnnHSNum	0.036	0.0386	0.296	5.468
HSPeak	0.0648	0.0648	0.238	4.069
MDFMDFWinter	0.0881	0.078	0.207	3.401
C_MaxM	0.0885	0.078	0.207	3.392
C_MDFM	0.1086	0.0861	0.186	2.968
MDFMDFAutumn	0.1091	0.0861	0.185	2.959
C_MinM	0.1361	0.1021	0.163	2.524
MRateRise	0.1556	0.1072	0.149	2.272
MRateFall	0.1572	0.1072	0.148	2.253
MDFAnnHSNum	0.727	0.4741	0.010	0.127