SummaryTables

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Table Summary

Table 1: Summary Statistics of Gross Beta GAM model after step-regression elimination. The smoothing parameter estimation method is "GCV.Cp". The smoothing splines for both 'oil' and 'gas' are cubic regression splines.

Variable	Coefficient	Std.Error	Prob.
(Intercept)	5.618e-03	6.759e-04	6.83e-11(***)
rhi	8.876e-04	3.066e-04	0.00567 (**)
nox	1.523e-04	8.067e-05	0.06506 (.)
Smooth terms	edf	Ref.df	p-value
s(oil)	4.514	5.459	0.01855 (*)
s(gas)	6.925	7.702	0.00441 (**)
Adjusted R-squared: 0.469	Deviance explained: 58.4%	Num.obs: 63	GCV: 8.7211e-06

Table 2: Summary Statistics of Hourly Radon GAM model after step-regression elimination. The smoothing spline for 'date' is the standard cubic regression spline and cyclic cubic regression spline for 'hour'.

Variable	Coefficient	Std.Error	Prob.
(Intercept)	0.9616	0.0540	< 2e-16(***)
o3	-0.0055	0.0004	< 2e-16(***)
temp_f	-0.0022	0.0007	0.00527(**)
wsp	-0.0311	0.0026	< 2e-16(***)
count (num. flaring)	0.0074	0.0015	2.98e-06(***)
Smooth terms	edf	Ref.df	p-value
s(date)	7.644	8.529	<2e-16(***)
s(hour)	6.560	8.000	<2e-16(***)
Adjusted R-squared: 0.513	Deviance explained: 52.1%	Num.obs: 1226	GCV: 0.025349

Table 3: Summary Statistics of Hourly Rd-particle GAM model after step-regression elimination. The smoothing spline for 'date' is the standard cubic regression spline and cyclic cubic regression spline for 'hour'.

Variable	Coefficient	Std.Error	Prob.
(Intercept)	0.2358	0.0145	< 2e-16(***)
o3	-0.0055	0.0004	< 2e-16(***)
no2	0.0050	0.0004	< 2e-16(***)
wsp	-0.0064	0.0012	1.89e-07(***)
count (num. flaring)	0.0025	0.0007	0.0003(***)
Smooth terms	edf	Ref.df	p-value
s(date)	8.343	8.875	<2e-16(***)
s(hour)	7.008	8.000	<2e-16(***)
Adjusted R-squared: 0.599	Deviance explained: 60.5%	Num.obs: 1226	GCV: 0.0048326