```
##
##    This is piecewiseSEM version 2.0.2
##
##    If you have used the package before, it is strongly recommended you read Section 3 of the vignette
##
##    Questions or bugs can be addressed to <jlefcheck@bigelow.org>

## Loading required package: Matrix

## Loading required package: carData
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bearSpringModel.Rds spring

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-4.1543	0.0580	-71.656	0.0000	NA
Anthro	Anthro	0.4026	0.1082	3.722	0.0002	1.368
Broadleaf	Broadleaf	0.6960	0.1394	4.993	0.0000	1.243
Conifer	Conifer	2.0837	0.0523	39.850	0.0000	4.407
Lichen	Lichen	1.4497	0.0579	25.057	0.0000	5.137
LinearDist	LinearDist	0.2090	0.0049	42.686	0.0000	1.163
MixedWood	MixedWood	1.7631	0.0651	27.073	0.0000	2.468
Rocky	Rocky	0.2646	0.1140	2.321	0.0203	1.340
Ruggedness	Ruggedness	0.0134	0.0012	11.006	0.0000	1.218
Scrub	Scrub	0.8801	0.0538	16.356	0.0000	4.806
WaterDist	WaterDist	-0.1664	0.0054	-30.821	0.0000	1.459

Coefficient	Estimate	RSquared
(Intercept)	-4.154 [-4.268, -4.041]	0.0451
Anthro	0.403 [0.191, 0.615]	0.0451
Broadleaf	0.696 [0.423, 0.969]	0.0451
Conifer	2.084 [1.981, 2.186]	0.0451
Lichen	1.45 [1.336, 1.563]	0.0451
LinearDist	0.209 [0.199, 0.219]	0.0451
MixedWood	1.763 [1.635, 1.891]	0.0451
Rocky	0.265 [0.041, 0.488]	0.0451
Ruggedness	0.013 [0.011, 0.016]	0.0451
Scrub	0.88 [0.775, 0.986]	0.0451
WaterDist	-0.166 [-0.177, -0.156]	0.0451

bearWinterModel.Rds winter

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-9.7806	0.4674	-20.924	0.0000	NA
Anthro	Anthro	6.6752	0.7189	9.286	0.0000	1.974
Broadleaf	Broadleaf	9.9325	0.6589	15.074	0.0000	2.325
Conifer	Conifer	9.0859	0.4787	18.979	0.0000	13.034
Lichen	Lichen	6.5904	0.5461	12.068	0.0000	7.265
LinearDist	LinearDist	0.2677	0.0334	8.024	0.0000	1.190
MixedWood	MixedWood	5.3706	0.6640	8.088	0.0000	2.014
Rocky	Rocky	-71.6961	28.0397	-2.557	0.0106	1.007
Ruggedness	Ruggedness	-0.5436	0.0304	-17.878	0.0000	1.061
Scrub	Scrub	3.0307	0.5293	5.725	0.0000	5.610
WaterDist	WaterDist	-0.5133	0.0362	-14.163	0.0000	2.182

Coefficient	Estimate	RSquared
(Intercept)	-9.781 [-10.697, -8.864]	0.2483
Anthro	6.675 [5.266, 8.084]	0.2483
Broadleaf	9.933 [8.641, 11.224]	0.2483
Conifer	9.086 [8.148, 10.024]	0.2483
Lichen	6.59 [5.52, 7.661]	0.2483
LinearDist	0.268 [0.202, 0.333]	0.2483
MixedWood	5.371 [4.069, 6.672]	0.2483
Rocky	-71.696 [-126.654, -16.738]	0.2483
Ruggedness	-0.544 [-0.603, -0.484]	0.2483
Scrub	3.031 [1.993, 4.068]	0.2483
WaterDist	-0.513 [-0.584, -0.442]	0.2483

caribouSpringModel.Rds spring

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-3.9208	0.0436	-89.92	0	NA
Anthro	Anthro	-2.7890	0.1035	-26.94	0	1.152
Broadleaf	Broadleaf	-15.7197	0.7340	-21.42	0	1.054
Conifer	Conifer	-0.9618	0.0348	-27.62	0	2.900
Lichen	Lichen	-2.0489	0.0408	-50.28	0	3.761
LinearDist	LinearDist	0.2364	0.0036	65.45	0	1.105
MixedWood	MixedWood	-2.8900	0.0779	-37.09	0	1.216
Rocky	Rocky	1.2964	0.0463	27.99	0	1.885
Ruggedness	Ruggedness	-0.0872	0.0019	-46.77	0	1.067
Scrub	Scrub	-1.5412	0.0347	-44.36	0	3.873
WaterDist	WaterDist	0.0909	0.0043	21.05	0	1.313

Coefficient	Estimate	RSquared
(Intercept)	-3.921 [-4.006, -3.835]	0.0731
Anthro	-2.789 [-2.992, -2.586]	0.0731
Broadleaf	-15.72 [-17.158, -14.281]	0.0731
Conifer	-0.962 [-1.03, -0.894]	0.0731
Lichen	-2.049 [-2.129, -1.969]	0.0731
LinearDist	0.236 [0.229, 0.243]	0.0731
MixedWood	-2.89 [-3.043, -2.737]	0.0731
Rocky	1.296 [1.206, 1.387]	0.0731
Ruggedness	-0.087 [-0.091, -0.084]	0.0731
Scrub	-1.541 [-1.609, -1.473]	0.0731
WaterDist	0.091 [0.082, 0.099]	0.0731

caribouWinterModel.Rds winter

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-4.6879	0.0588	-79.78	0	NA
Conifer	Conifer	-6.3917	0.1282	-49.87	0	1.233
Lichen	Lichen	2.0232	0.0386	52.43	0	2.330
LinearDist	LinearDist	0.2956	0.0058	50.66	0	1.028
Rocky	Rocky	1.8544	0.0519	35.75	0	1.556
Ruggedness	Ruggedness	-0.0852	0.0022	-38.47	0	1.037
Scrub	Scrub	-2.7294	0.0496	-55.01	0	1.958
WaterDist	WaterDist	-0.1808	0.0051	-35.23	0	1.152

Coefficient	Estimate	RSquared
(Intercept)	-4.688 [-4.803, -4.573]	0.2695
Conifer	-6.392 [-6.643, -6.141]	0.2695
Lichen	2.023 [1.948, 2.099]	0.2695
LinearDist	0.296 [0.284, 0.307]	0.2695
Rocky	1.854 [1.753, 1.956]	0.2695
Ruggedness	-0.085 [-0.09, -0.081]	0.2695
Scrub	-2.729 [-2.827, -2.632]	0.2695
WaterDist	-0.181 [-0.191, -0.171]	0.2695

coyoteSpringModel.Rds spring

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-2.0875	0.0881	-23.692	0.0000	NA
Anthro	Anthro	-1.3642	0.1506	-9.061	0.0000	1.622
Broadleaf	Broadleaf	-4.6864	0.2479	-18.902	0.0000	1.164
Conifer	Conifer	-1.7512	0.0939	-18.659	0.0000	2.444
Lichen	Lichen	0.5037	0.0904	5.573	0.0000	4.592
LinearDist	LinearDist	0.0613	0.0073	8.354	0.0000	1.399
MixedWood	MixedWood	0.4357	0.0944	4.618	0.0000	2.741
Rocky	Rocky	-0.9688	0.1426	-6.793	0.0000	1.679
Ruggedness	Ruggedness	-0.0516	0.0024	-21.709	0.0000	1.098
Scrub	Scrub	0.0729	0.0875	0.833	0.4048	3.961
WaterDist	WaterDist	-0.0507	0.0093	-5.437	0.0000	1.314

Coefficient	Estimate	RSquared
(Intercept)	-2.087 [-2.26, -1.915]	0.0727
Anthro	-1.364 [-1.659, -1.069]	0.0727
Broadleaf	-4.686 [-5.172, -4.2]	0.0727
Conifer	-1.751 [-1.935, -1.567]	0.0727
Lichen	0.504 [0.327, 0.681]	0.0727
LinearDist	0.061 [0.047, 0.076]	0.0727
MixedWood	0.436 [0.251, 0.621]	0.0727
Rocky	-0.969 [-1.248, -0.689]	0.0727
Ruggedness	-0.052 [-0.056, -0.047]	0.0727
Scrub	0.073 [-0.099, 0.244]	0.0727
WaterDist	-0.051 [-0.069, -0.032]	0.0727

coyoteWinterModel.Rds winter

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-2.4787	0.1162	-21.3334	0.0000	NA
Anthro	Anthro	0.6788	0.1556	4.3625	0.0000	2.828
Broadleaf	Broadleaf	-1.0862	0.1877	-5.7870	0.0000	1.591
Conifer	Conifer	-0.8025	0.1259	-6.3740	0.0000	3.305
Lichen	Lichen	0.0159	0.1351	0.1178	0.9063	4.473
LinearDist	LinearDist	0.0307	0.0097	3.1592	0.0016	1.665
MixedWood	MixedWood	0.8087	0.1263	6.4051	0.0000	3.521
Rocky	Rocky	-2.3086	0.2632	-8.7721	0.0000	1.397
Ruggedness	Ruggedness	-0.0205	0.0025	-8.1762	0.0000	1.122
Scrub	Scrub	-0.2433	0.1288	-1.8885	0.0590	4.149
WaterDist	WaterDist	-0.1188	0.0118	-10.0858	0.0000	1.410

Coefficient	Estimate	RSquared
(Intercept)	-2.479 [-2.706, -2.251]	0.0208
Anthro	0.679 [0.374, 0.984]	0.0208
Broadleaf	-1.086 [-1.454, -0.718]	0.0208
Conifer	-0.802 [-1.049, -0.556]	0.0208
Lichen	0.016 [-0.249, 0.281]	0.0208
LinearDist	0.031 [0.012, 0.05]	0.0208
MixedWood	0.809 [0.561, 1.056]	0.0208
Rocky	-2.309 [-2.824, -1.793]	0.0208
Ruggedness	-0.021 [-0.025, -0.016]	0.0208
Scrub	-0.243 [-0.496, 0.009]	0.0208
WaterDist	-0.119 [-0.142, -0.096]	0.0208

elkSpringModel.Rds spring

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-2.0462	0.0605	-33.81	0	NA
Bog	Bog	-4.9539	0.3897	-12.71	0	1.006
Coniferous	Coniferous	-5.5838	0.2563	-21.79	0	1.049
LinFeat__Dist	LinFeat__Dist	-0.1050	0.0061	-17.21	0	1.040
Marsh	Marsh	-0.6677	0.0374	-17.87	0	1.099
Mixedwood	Mixedwood	-0.3952	0.0331	-11.92	0	1.108
Opendeciduous	Opendeciduous	-1.4297	0.0949	-15.07	0	1.012
Ruggedness	Ruggedness	-0.0797	0.0046	-17.43	0	1.073
Water__Dist	Water__Dist	0.1644	0.0074	22.14	0	1.128

Coefficient	Estimate	RSquared
(Intercept)	-2.046 [-2.165, -1.928]	0.0565
Bog	-4.954 [-5.718, -4.19]	0.0565
Coniferous	-5.584 [-6.086, -5.082]	0.0565
LinFeat__Dist	-0.105 [-0.117, -0.093]	0.0565
Marsh	-0.668 [-0.741, -0.594]	0.0565
Mixedwood	-0.395 [-0.46, -0.33]	0.0565
Opendeciduous	-1.43 [-1.616, -1.244]	0.0565
Ruggedness	-0.08 [-0.089, -0.071]	0.0565
Water__Dist	0.164 [0.15, 0.179]	0.0565

elkWinterModel.Rds winter

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-3.3399	0.0651	-51.313	0.0000	NA
Bog	Bog	-1.8285	0.1131	-16.174	0.0000	1.016
Coniferous	Coniferous	-0.8673	0.0775	-11.197	0.0000	1.030
LinFeat__Dist	LinFeat__Dist	-0.0779	0.0054	-14.478	0.0000	1.067
Marsh	Marsh	-0.1136	0.0318	-3.575	0.0003	1.171
Mixedwood	Mixedwood	-0.1935	0.0277	-6.989	0.0000	1.126
Opendeciduous	Opendeciduous	1.5202	0.0368	41.349	0.0000	1.080
Ruggedness	Ruggedness	-0.0667	0.0038	-17.522	0.0000	1.084
Water__Dist	Water__Dist	0.3582	0.0086	41.615	0.0000	1.155

Coefficient	Estimate	RSquared
(Intercept)	-3.34 [-3.467, -3.212]	0.0705
Bog	-1.829 [-2.05, -1.607]	0.0705
Coniferous	-0.867 [-1.019, -0.715]	0.0705
LinFeat__Dist	-0.078 [-0.088, -0.067]	0.0705
Marsh	-0.114 [-0.176, -0.051]	0.0705
Mixedwood	-0.194 [-0.248, -0.139]	0.0705
Opendeciduous	1.52 [1.448, 1.592]	0.0705
Ruggedness	-0.067 [-0.074, -0.059]	0.0705
Water__Dist	0.358 [0.341, 0.375]	0.0705

wolfSpringModel.Rds spring

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-1.9265	0.0513	-37.587	0.0000	NA
Bog	Bog	-1.1170	0.1494	-7.475	0.0000	1.014
Coniferous	Coniferous	-3.0122	0.1451	-20.758	0.0000	1.034
LinFeat__Dist	LinFeat__Dist	-0.1758	0.0056	-31.444	0.0000	1.039
Marsh	Marsh	1.5816	0.0279	56.602	0.0000	1.236
Mixedwood	Mixedwood	-0.2014	0.0312	-6.455	0.0000	1.182
Opendeciduous	Opendeciduous	-0.3713	0.0905	-4.102	0.0000	1.022
Ruggedness	Ruggedness	0.0640	0.0035	18.409	0.0000	1.147
Water_Dist	Water_Dist	-0.0189	0.0060	-3.156	0.0016	1.143

Coefficient	Estimate	RSquared
(Intercept)	-1.927 [-2.027, -1.826]	0.071
Bog	-1.117 [-1.41, -0.824]	0.071
Coniferous	-3.012 [-3.297, -2.728]	0.071
LinFeat__Dist	-0.176 [-0.187, -0.165]	0.071
Marsh	1.582 [1.527, 1.636]	0.071
Mixedwood	-0.201 [-0.263, -0.14]	0.071
Opendeciduous	-0.371 [-0.549, -0.194]	0.071
Ruggedness	0.064 [0.057, 0.071]	0.071
Water_Dist	-0.019 [-0.031, -0.007]	0.071

wolfWinterModel.Rds winter

	term	estimate	std.error	statistic	p.value	vif
	(Intercept)	-2.5805	0.0696	-37.0615	0.0000	NA
Bog	Bog	-0.5515	0.1314	-4.1959	0.0000	1.020
Coniferous	Coniferous	-0.2271	0.0801	-2.8362	0.0046	1.028
LinFeat__Dist	LinFeat__Dist	-0.2182	0.0063	-34.4271	0.0000	1.035
Marsh	Marsh	0.0978	0.0442	2.2157	0.0267	1.164
Mixedwood	Mixedwood	-0.1370	0.0334	-4.0989	0.0000	1.112
Opendeciduous	Opendeciduous	0.0153	0.0897	0.1707	0.8645	1.022
Ruggedness	Ruggedness	0.0546	0.0039	14.0123	0.0000	1.087
Water_Dist	Water_Dist	0.1060	0.0091	11.6507	0.0000	1.139

Coefficient	Estimate	RSquared
(Intercept)	-2.58 [-2.717, -2.444]	0.0269
Bog	-0.552 [-0.809, -0.294]	0.0269
Coniferous	-0.227 [-0.384, -0.07]	0.0269
LinFeat__Dist	-0.218 [-0.231, -0.206]	0.0269
Marsh	0.098 [0.011, 0.184]	0.0269
Mixedwood	-0.137 [-0.203, -0.072]	0.0269
Opendeciduous	0.015 [-0.161, 0.191]	0.0269
Ruggedness	0.055 [0.047, 0.062]	0.0269
Water_Dist	0.106 [0.088, 0.124]	0.0269