

## Backward Stepwise Selection

Step 0 :

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
<none>		19082	19187	0.2948	
- ns(median_temp)	1	19084	19180	0.2947	0.057437
- sofa	1	19087	19182	0.2946	0.012215
- gender	1	19088	19184	0.2946	0.005335
- dialysis	1	19101	19196	0.2941	9.646e-06
- temp_gap	1	19103	19198	0.2940	1.705e-06
- steroids	1	19130	19225	0.2930	9.149e-13
- ventilation	1	19147	19242	0.2924	2.220e-16
- age	1	19192	19288	0.2907	< 2.2e-16
- vasopressor	1	19246	19342	0.2887	< 2.2e-16
- charlson	1	19396	19491	0.2832	< 2.2e-16
- apsi	1	21860	21955	0.1920	< 2.2e-16

## Forward Stepwise Selection

Step 0 :

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ apsi	1	20185	20202	0.2535	< 2.2e-16
+ sofa	1	23670	23688	0.1245	< 2.2e-16
+ vasopressor	1	25238	25255	0.0666	< 2.2e-16
+ charlson	1	25606	25624	0.0529	< 2.2e-16
+ temp_gap	1	26075	26093	0.0356	< 2.2e-16
+ ventilation	1	26204	26221	0.0308	< 2.2e-16
+ age	1	26410	26427	0.0232	< 2.2e-16
+ dialysis	1	26697	26714	0.0126	< 2.2e-16
+ steroids	1	26872	26890	0.0061	< 2.2e-16
+ ns(median_temp)	1	26952	26969	0.0032	< 2.2e-16
+ gender	1	27029	27046	0.0003	0.002174
<none>		27036	27045	0.0000	

Step 1 : + apsi

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ charlson	1	19589	19615	0.2756	< 2.2e-16
+ age	1	19741	19767	0.2700	< 2.2e-16
+ vasopressor	1	20016	20042	0.2598	< 2.2e-16
+ steroids	1	20118	20144	0.2560	< 2.2e-16
+ ventilation	1	20132	20158	0.2555	6.606e-14
+ ns(median_temp)	1	20162	20188	0.2544	5.367e-07
+ gender	1	20171	20197	0.2540	7.146e-05
+ temp_gap	1	20174	20200	0.2539	0.0003477
+ dialysis	1	20178	20204	0.2538	0.0032213
+ sofa	1	20178	20204	0.2538	0.0030573
<none>		20185	20202	0.2535	

Step 2 : + charlson

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
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+ vasopressor	1	19383	19418	0.2833	< 2.2e-16
+ age	1	19480	19514	0.2797	< 2.2e-16
+ ventilation	1	19480	19514	0.2797	< 2.2e-16
+ steroids	1	19537	19571	0.2776	7.894e-14
+ temp_gap	1	19538	19573	0.2775	2.417e-13
+ dialysis	1	19572	19606	0.2763	1.964e-05
+ gender	1	19572	19607	0.2763	1.962e-05
+ sofa	1	19587	19622	0.2757	0.05228
+ ns(median_temp)	1	19588	19623	0.2757	0.12629
<none>		19589	19615	0.2756	
- apsi	1	25606	25624	0.0529	< 2.2e-16

Step 3 : + vasopressor

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ age	1	19261	19304	0.2878	< 2.2e-16
+ ventilation	1	19316	19359	0.2858	< 2.2e-16
+ dialysis	1	19346	19390	0.2847	1.269e-09
+ steroids	1	19347	19391	0.2846	4.803e-10
+ temp_gap	1	19354	19397	0.2844	1.584e-08
+ gender	1	19365	19408	0.2840	6.837e-06
+ sofa	1	19374	19418	0.2836	0.001136
+ ns(median_temp)	1	19383	19426	0.2833	0.149900
<none>		19383	19418	0.2833	
- charlson	1	20016	20042	0.2598	< 2.2e-16
- apsi	1	23870	23896	0.1172	< 2.2e-16

Step 4 : + age

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ ventilation	1	19187	19239	0.2906	< 2.2e-16
+ steroids	1	19211	19263	0.2897	2.857e-13
+ temp_gap	1	19227	19279	0.2892	1.378e-09
+ dialysis	1	19239	19291	0.2887	1.664e-06
+ gender	1	19252	19304	0.2882	0.001069
+ sofa	1	19258	19310	0.2880	0.033308
<none>		19261	19304	0.2878	
+ ns(median_temp)	1	19263	19315	0.2878	0.884691
- vasopressor	1	19480	19514	0.2797	< 2.2e-16
- charlson	1	19536	19571	0.2776	< 2.2e-16
- apsi	1	23800	23835	0.1199	< 2.2e-16

Step 5 : + ventilation

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ steroids	1	19137	19197	0.2926	1.980e-13
+ dialysis	1	19165	19226	0.2915	1.631e-06
+ temp_gap	1	19171	19232	0.2913	1.957e-05
+ sofa	1	19174	19235	0.2912	0.0001481
+ gender	1	19177	19237	0.2911	0.0004874
<none>		19187	19239	0.2906	
+ ns(median_temp)	1	19187	19248	0.2907	0.1589820
- age	1	19316	19359	0.2858	< 2.2e-16

- vasopressor	1	19361	19405	0.2841	< 2.2e-16
- charlson	1	19484	19528	0.2796	< 2.2e-16
- apsi	1	23320	23364	0.1377	< 2.2e-16

Step 6 : + steroids

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ dialysis	1	19114	19183	0.2935	9.458e-07
+ temp_gap	1	19119	19188	0.2933	8.421e-06
+ sofa	1	19125	19195	0.2930	0.0003048
+ gender	1	19129	19198	0.2929	0.0020172
<none>		19137	19197	0.2926	
+ ns(median_temp)	1	19138	19207	0.2926	0.3585905
- ventilation	1	19211	19263	0.2897	< 2.2e-16
- age	1	19280	19332	0.2872	< 2.2e-16
- vasopressor	1	19294	19346	0.2867	< 2.2e-16
- charlson	1	19414	19466	0.2822	< 2.2e-16
- apsi	1	23244	23296	0.1406	< 2.2e-16

Step 7 : + dialysis

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ temp_gap	1	19095	19173	0.2942	5.638e-06
+ gender	1	19106	19185	0.2938	0.002471
+ sofa	1	19109	19187	0.2937	0.010415
<none>		19114	19183	0.2935	
+ ns(median_temp)	1	19114	19192	0.2935	0.169510
- steroids	1	19165	19226	0.2915	1.090e-13
- ventilation	1	19188	19249	0.2906	< 2.2e-16
- age	1	19240	19301	0.2887	< 2.2e-16
- vasopressor	1	19285	19345	0.2871	< 2.2e-16
- charlson	1	19405	19466	0.2826	< 2.2e-16
- apsi	1	23193	23254	0.1425	< 2.2e-16

Step 8 : + temp\_gap

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ gender	1	19088	19175	0.2945	0.002374
+ sofa	1	19090	19177	0.2945	0.006814
+ ns(median_temp)	1	19094	19181	0.2943	0.070093
<none>		19095	19173	0.2942	
- dialysis	1	19119	19188	0.2933	6.554e-07
- steroids	1	19148	19218	0.2922	4.541e-14
- ventilation	1	19151	19221	0.2921	1.676e-14
- age	1	19225	19294	0.2893	< 2.2e-16
- vasopressor	1	19256	19325	0.2882	< 2.2e-16
- charlson	1	19399	19468	0.2829	< 2.2e-16
- apsi	1	22810	22880	0.1567	< 2.2e-16

Step 9 : + gender

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ sofa	1	19084	19180	0.2947	0.01494

+ ns(median_temp)	1	19087	19182	0.2946	0.07129
<none>		19088	19175	0.2945	
- temp_gap	1	19106	19185	0.2938	5.423e-06
- dialysis	1	19111	19190	0.2936	7.893e-07
- steroids	1	19138	19216	0.2926	1.916e-13
- ventilation	1	19145	19223	0.2924	1.010e-14
- age	1	19208	19286	0.2900	< 2.2e-16
- vasopressor	1	19249	19327	0.2885	< 2.2e-16
- charlson	1	19398	19476	0.2830	< 2.2e-16
- apsi	1	22794	22872	0.1573	< 2.2e-16

Step 10 : + sofa

	df	AIC	BIC	adj.R-squared	P(Chisq>)(*)
+ ns(median_temp)	1	19082	19187	0.2948	0.057437
<none>		19084	19180	0.2947	
- gender	1	19090	19177	0.2945	0.005148
- dialysis	1	19101	19188	0.2940	1.771e-05
- temp_gap	1	19103	19190	0.2940	3.765e-06
- steroids	1	19134	19220	0.2928	3.048e-13
- ventilation	1	19146	19233	0.2924	8.882e-16
- age	1	19201	19288	0.2903	< 2.2e-16
- vasopressor	1	19249	19335	0.2886	< 2.2e-16
- charlson	1	19399	19486	0.2830	< 2.2e-16
- apsi	1	21876	21963	0.1914	< 2.2e-16