

## Using Mallows Cp for Model Selection

### The REG Procedure

Model: MODEL1

Dependent Variable: PctBodyFat2

### C(p) Selection Method

Number of Observations Read	252
Number of Observations Used	252

Model Index	Number in Model	C(p)	R-Square	Variables in Model
1	7	5.8653	0.7445	Age Weight Neck Abdomen Thigh Forearm Wrist
2	8	5.8986	0.7466	Age Weight Neck Abdomen Hip Thigh Forearm Wrist
3	8	6.4929	0.7459	Age Weight Neck Abdomen Thigh Biceps Forearm Wrist
4	9	6.7834	0.7477	Age Weight Neck Abdomen Hip Thigh Biceps Forearm Wrist
5	7	6.9017	0.7434	Age Weight Neck Abdomen Biceps Forearm Wrist
6	8	7.1778	0.7452	Age Weight Neck Abdomen Thigh Ankle Forearm Wrist
7	6	7.1860	0.7410	Age Weight Abdomen Thigh Forearm Wrist
8	9	7.2729	0.7472	Age Weight Neck Abdomen Hip Thigh Ankle Forearm Wrist
9	6	7.4937	0.7406	Age Weight Neck Abdomen Forearm Wrist
10	6	7.6018	0.7405	Weight Neck Abdomen Biceps Forearm Wrist
11	9	7.7067	0.7468	Age Weight Neck Abdomen Thigh Ankle Biceps Forearm Wrist
12	9	7.7282	0.7467	Age Weight Height Neck Abdomen Hip Thigh Forearm Wrist
13	8	7.8146	0.7445	Age Weight Height Neck Abdomen Thigh Forearm Wrist
14	8	7.8246	0.7445	Age Weight Neck Chest Abdomen Thigh Forearm Wrist
15	8	7.8651	0.7445	Age Weight Neck Abdomen Thigh Knee Forearm Wrist
16	9	7.8966	0.7466	Age Weight Neck Abdomen Hip Thigh Knee Forearm Wrist
17	9	7.8986	0.7466	Age Weight Neck Chest Abdomen Hip Thigh Forearm Wrist
18	8	7.9907	0.7443	Age Weight Neck Abdomen Ankle Biceps Forearm Wrist
19	8	8.0270	0.7443	Age Height Neck Abdomen Hip Thigh Forearm Wrist
20	7	8.0410	0.7422	Age Weight Abdomen Thigh Ankle Forearm Wrist
21	10	8.0682	0.7485	Age Weight Neck Abdomen Hip Thigh Ankle Biceps Forearm Wrist
22	5	8.0748	0.7379	Weight Neck Abdomen Forearm Wrist
23	7	8.1580	0.7421	Age Weight Abdomen Hip Thigh Forearm Wrist
24	7	8.3307	0.7419	Age Weight Abdomen Thigh Biceps Forearm Wrist
25	7	8.4087	0.7418	Weight Neck Abdomen Hip Thigh Forearm Wrist
26	9	8.4811	0.7459	Age Weight Neck Abdomen Thigh Knee Biceps Forearm Wrist
27	9	8.4884	0.7459	Age Weight Neck Chest Abdomen Thigh Biceps Forearm Wrist
28	9	8.4908	0.7459	Age Weight Height Neck Abdomen Thigh Biceps Forearm Wrist
29	8	8.5203	0.7438	Age Weight Neck Abdomen Knee Biceps Forearm Wrist
30	8	8.6753	0.7436	Age Weight Neck Abdomen Hip Biceps Forearm Wrist

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<b>Model Index</b>	<b>Number in Model</b>	<b>C(p)</b>	<b>R-Square</b>	<b>Variables in Model</b>
31	7	8.6981	0.7415	Age Weight Neck Abdomen Ankle Forearm Wrist
32	6	8.7232	0.7393	Weight Neck Abdomen Thigh Forearm Wrist
33	10	8.7260	0.7478	Age Weight Height Neck Abdomen Hip Thigh Biceps Forearm Wrist
34	8	8.7555	0.7435	Age Weight Height Neck Abdomen Biceps Forearm Wrist
35	5	8.7588	0.7372	Age Weight Abdomen Forearm Wrist
36	10	8.7609	0.7478	Age Weight Neck Abdomen Hip Thigh Knee Biceps Forearm Wrist
37	10	8.7705	0.7477	Age Weight Neck Chest Abdomen Hip Thigh Biceps Forearm Wrist
38	8	8.8101	0.7435	Age Weight Neck Chest Abdomen Biceps Forearm Wrist
39	4	8.8244	0.7350	Weight Abdomen Forearm Wrist
40	6	8.8935	0.7392	Age Weight Abdomen Biceps Forearm Wrist
41	7	8.9037	0.7413	Age Neck Abdomen Hip Thigh Forearm Wrist
42	7	8.9063	0.7413	Weight Neck Abdomen Hip Biceps Forearm Wrist
43	7	8.9368	0.7412	Weight Neck Abdomen Ankle Biceps Forearm Wrist
44	7	8.9476	0.7412	Weight Neck Abdomen Thigh Biceps Forearm Wrist
45	8	8.9635	0.7433	Weight Neck Abdomen Hip Thigh Biceps Forearm Wrist
46	7	8.9899	0.7412	Age Weight Height Neck Abdomen Forearm Wrist
47	5	9.0000	0.7369	Weight Abdomen Biceps Forearm Wrist
48	7	9.0016	0.7412	Weight Neck Abdomen Knee Biceps Forearm Wrist
49	8	9.0122	0.7433	Age Weight Abdomen Hip Thigh Ankle Forearm Wrist
50	8	9.0478	0.7432	Age Weight Abdomen Thigh Ankle Biceps Forearm Wrist
51	7	9.0605	0.7411	Age Weight Abdomen Thigh Knee Forearm Wrist
52	9	9.1261	0.7453	Age Weight Neck Chest Abdomen Thigh Ankle Forearm Wrist
53	10	9.1317	0.7474	Age Weight Height Neck Abdomen Hip Thigh Ankle Forearm Wrist
54	7	9.1409	0.7410	Age Weight Neck Abdomen Knee Forearm Wrist
55	9	9.1419	0.7452	Age Weight Height Neck Abdomen Thigh Ankle Forearm Wrist
56	9	9.1543	0.7452	Age Weight Neck Abdomen Thigh Knee Ankle Forearm Wrist
57	7	9.1730	0.7410	Age Weight Height Abdomen Thigh Forearm Wrist
58	7	9.1858	0.7410	Age Weight Chest Abdomen Thigh Forearm Wrist
59	9	9.2167	0.7452	Age Height Neck Chest Abdomen Hip Thigh Forearm Wrist
60	10	9.2646	0.7472	Age Weight Neck Abdomen Hip Thigh Knee Ankle Forearm Wrist

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**The REG Procedure**

**Model: MODEL1**

**Dependent Variable: PctBodyFat2**

**C(p) Selection Method**

