

LAMPIRAN A

Data mentah BPK dan Aloysius
(Bagian 1, 2, 3)

Data mahasiswa yang masuk ke Universitas Kristen Maranatha

Tahun	Jumlah yang masuk	Penurunan	% Penurunan
2002	8856	956	10.79%
2003	7900	1748	22.13%
2004	6152	-976	-15.86%
2005	7128	630	8.84%
2006	6498	-176	-2.71%
2007	6674		

Rata-rata penurunan tiap tahunnya:

$$\frac{10.79\% + 22.13\% + 8.84\%}{3 \text{ tahun}} = 13.92\% / \text{tahun}$$

LAMPIRAN B

Hasil Pengolahan dengan menggunakan
SPSS 11.5

Pengujian Valid BPK (Bagian 2)

RELIABILITY ANALYSIS - SCALE (ALPHA)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P1	181.3673	251.5667	.3185	.9426
P2	181.5088	252.9088	.2115	.9432
P3	181.8850	252.0578	.2311	.9432
P4	181.9248	254.5854	.1039	.9438
P5	181.9646	251.4921	.2850	.9428
P6	181.8584	250.5488	.2707	.9431
P7	181.6239	250.0668	.3110	.9428
P8	181.1770	251.0352	.4203	.9421
P9	181.3496	248.7706	.4537	.9419
P10	181.3982	250.1607	.3957	.9422
P11	181.3274	249.1279	.4706	.9419
P12	181.4912	246.3755	.5432	.9414
P13	181.4558	246.1158	.6419	.9410
P14	181.5088	247.9044	.4532	.9419
P15	181.3628	248.3389	.4923	.9417
P16	181.3894	248.3010	.4657	.9419
P17	181.4735	246.9704	.5180	.9416
P18	181.9204	246.3492	.4290	.9422
P19	181.6283	246.1990	.5383	.9414
P20	181.9381	244.9206	.5048	.9416
P21	181.6593	246.7945	.5066	.9416
P22	181.6416	245.7688	.5369	.9414
P23	181.5354	246.6054	.5392	.9414
P24	181.7212	246.3886	.5558	.9413
P25	182.2301	245.8846	.4478	.9421
P26	182.2876	247.9569	.3778	.9425
P27	182.0664	246.2667	.4959	.9417
P28	181.3186	248.0847	.5520	.9415
P29	181.3142	247.9586	.5739	.9414
P30	181.6195	249.7212	.3318	.9427
P31	181.4248	247.9076	.5239	.9416
P32	181.3761	246.9024	.5970	.9412
P33	181.5487	246.1954	.5976	.9412
P34	181.5531	245.8572	.5826	.9412
P35	181.6770	245.8019	.5971	.9411
P36	182.1327	247.6801	.3620	.9427
P37	181.7832	245.4683	.5587	.9413
P38	181.8230	246.2174	.4945	.9417
P39	181.5885	246.6432	.5680	.9413
P40	181.4823	245.7975	.5914	.9412
P41	181.4558	246.6847	.5674	.9413

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RELIABILITY ANALYSIS - SCALE (ALPHA)

Item-total Statistics

Scale Mean	Scale Variance	Corrected Item-	Alpha
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	if Item Deleted	if Item Deleted	Total Correlation	if Item Deleted
P42	181.6150	247.3223	.4820	.9418
P43	181.7743	246.7088	.5030	.9416
P44	181.7301	245.9935	.5439	.9414
P45	181.5398	248.3651	.4764	.9418
P46	181.7124	247.5569	.4444	.9420
P47	181.9646	248.7899	.3620	.9425
P48	181.5310	246.8635	.5321	.9415
P49	181.2611	250.0960	.4646	.9419
P50	181.2965	249.1962	.4981	.9418
P51	181.6106	246.1766	.5738	.9413
P52	181.5885	245.1232	.6680	.9408
P53	181.6681	245.6360	.6312	.9410
P54	181.5619	246.6206	.6030	.9412
P55	182.1150	248.4134	.3124	.9432

Reliability Coefficients

N of Cases = 226.0

N of Items = 55

Alpha = .9428

Pengujian Valid setelah variabel yang tidak valid dihilangkan

RELIABILITY ANALYSIS - SCALE (ALPHA)

A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P1	178.2965	249.4184	.3159	.9436

P2	178.4381	250.7806	.2075	.9442
P3	178.8142	250.0186	.2229	.9442
P5	178.8938	249.4998	.2737	.9439
P6	178.7876	248.3547	.2711	.9441
P7	178.5531	247.9283	.3088	.9438
P8	178.1062	248.8242	.4222	.9431
P9	178.2788	246.5397	.4570	.9429
P10	178.3274	248.0168	.3933	.9432
P11	178.2566	246.9561	.4702	.9429
P12	178.4204	244.1825	.5447	.9424
P13	178.3850	243.9534	.6418	.9420
P14	178.4381	245.6961	.4551	.9429
P15	178.2920	246.1188	.4951	.9427
P16	178.3186	246.0936	.4676	.9428
P17	178.4027	244.7749	.5195	.9425
P18	178.8496	244.3150	.4231	.9432
P19	178.5575	244.1233	.5335	.9425
P20	178.8673	242.7823	.5039	.9427
P21	178.5885	244.5988	.5081	.9426
P22	178.5708	243.5527	.5397	.9424
P23	178.4646	244.4365	.5393	.9424
P24	178.6504	244.2550	.5540	.9424
P25	179.1593	243.7256	.4476	.9431
P26	179.2168	245.8061	.3767	.9435
P27	178.9956	244.0844	.4968	.9427
P28	178.2478	245.8939	.5532	.9425
P29	178.2434	245.8116	.5722	.9424
P30	178.5487	247.5554	.3310	.9437
P31	178.3540	245.6697	.5279	.9425
P32	178.3053	244.7108	.5985	.9422
P33	178.4779	243.9840	.6003	.9421
P34	178.4823	243.7708	.5783	.9422
P35	178.6062	243.6887	.5942	.9421
P36	179.0619	245.4806	.3632	.9437
P37	178.7124	243.2725	.5605	.9423
P38	178.7522	244.0006	.4970	.9427
P39	178.5177	244.4730	.5682	.9423
P40	178.4115	243.6032	.5931	.9421
P41	178.3850	244.4778	.5697	.9423
P42	178.5442	245.1647	.4813	.9428

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RELIABILITY ANALYSIS - SCALE (ALPHA A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P43	178.7035	244.4673	.5070	.9426
P44	178.6593	243.7634	.5474	.9424
P45	178.4690	246.1079	.4814	.9428
P46	178.6416	245.3065	.4485	.9430
P47	178.8938	246.6376	.3608	.9435
P48	178.4602	244.6851	.5326	.9425
P49	178.1903	247.8881	.4665	.9429

P50	178.2257	247.0200	.4980	.9427
P51	178.5398	243.9562	.5770	.9422
P52	178.5177	242.9264	.6703	.9418
P53	178.5973	243.4505	.6326	.9420
P54	178.4912	244.4110	.6057	.9422
P55	179.0442	246.1847	.3145	.9442

Reliability Coefficients

N of Cases = 226.0

N of Items = 54

Alpha = .9438

Pengujian Valid BPK (Bagian 3)

RELIABILITY ANALYSIS - SCALE (ALPHA)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
X1	33.2097	22.5248	.4328	.8696
X2	33.6532	19.8056	.7102	.8534
X3	33.5645	20.1178	.6486	.8570
X4	33.4597	20.4943	.6157	.8592
X5	33.2258	21.7535	.3832	.8715
X6	33.7258	19.6478	.7217	.8525
X7	33.6290	19.4222	.7362	.8513
X8	33.5645	20.2966	.6301	.8582

X9	33.3226	21.3910	.3528	.8753
X10	33.2016	21.4468	.3990	.8713
X11	33.4194	20.0504	.6115	.8591
X12	33.4839	20.3656	.5814	.8610
Y	32.9597	22.2667	.2938	.8757

Reliability Coefficients

N of Cases = 124.0

N of Items = 13

Alpha = .8722

Pengujian Valid Aloysius (Bagian2)

RELIABILITY ANALYSIS - SCALE (ALPHA)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P1	173.1538	186.6947	.1066	.9100
P2	173.1692	183.8303	.2485	.9090
P3	173.5692	182.0615	.3526	.9079
P4	173.8462	182.1947	.2944	.9087
P5	173.6923	179.8726	.5104	.9063
P6	173.5077	183.7538	.2827	.9085
P7	173.3231	183.2846	.2122	.9100
P8	172.6923	186.5601	.2359	.9088
P9	173.0154	182.7966	.3605	.9078
P10	173.0462	183.6385	.3014	.9083
P11	172.9846	182.5154	.3634	.9078
P12	173.0615	182.6837	.3860	.9076
P13	173.0154	184.1404	.2871	.9085
P14	173.3231	178.4409	.6070	.9054

P15	173.1846	180.5904	.4616	.9068
P16	173.0308	182.1240	.4567	.9071
P17	173.1846	181.1529	.4719	.9068
P18	173.6769	180.3159	.4500	.9069
P19	173.4154	180.5279	.5808	.9061
P20	173.9385	177.4024	.5088	.9061
P21	173.4769	180.5659	.5552	.9062
P22	173.5077	179.3163	.5724	.9058
P23	173.4308	179.3740	.4200	.9072
P24	173.5538	181.5322	.3615	.9078
P25	174.1538	180.9760	.2992	.9090
P26	174.1231	180.0471	.3587	.9081
P27	173.8308	182.0178	.2865	.9089
P28	172.9692	182.7803	.4189	.9074
P29	173.0615	182.1212	.4258	.9073
P30	173.4000	182.9312	.2746	.9088
P31	173.1077	181.2538	.4592	.9069
P32	173.0923	183.2726	.3664	.9078
P33	173.3538	181.8260	.4773	.9069
P34	173.3538	184.9510	.2022	.9093
P35	173.6000	180.9000	.4210	.9072
P36	174.0615	179.7774	.4193	.9072
P37	173.4000	182.2437	.4140	.9074
P38	173.6462	185.5760	.1592	.9097
P39	173.2462	182.2197	.4668	.9070
P40	173.1077	182.2851	.3900	.9075
P41	173.1846	183.0904	.3226	.9082

R E L I A B I L I T Y A N A L Y S I S - S C A L E (A L P H A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P42	173.4769	179.6909	.5037	.9064
P43	173.8308	183.7678	.2332	.9092
P44	173.5538	183.6260	.2670	.9088
P45	173.1231	181.9221	.3936	.9075
P46	173.3692	180.3303	.4805	.9066
P47	174.0308	180.7490	.3581	.9080
P48	173.3231	185.3159	.1846	.9094
P49	172.8154	185.9341	.2141	.9089
P50	172.9692	184.4365	.2916	.9084
P51	173.3538	180.7947	.5214	.9064
P52	173.2923	182.6163	.3945	.9075
P53	173.3846	181.0841	.5175	.9065
P54	173.4154	180.6216	.5736	.9061
P55	173.9692	177.5303	.5290	.9059

Reliability Coefficients

N of Cases = 65.0

N of Items = 55

Alpha = .9092

Pengujian Valid setelah variabel yang tidak valid dihilangkan

R E L I A B I L I T Y A N A L Y S I S - S C A L E (A L P H A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P2	146.5077	158.5038	.2764	.9116
P3	146.9077	157.6163	.3327	.9110
P4	147.1846	157.5904	.2848	.9118
P5	147.0308	155.0303	.5270	.9088
P6	146.8462	159.4135	.2457	.9118
P9	146.3538	157.6072	.3885	.9103
P10	146.3846	158.3966	.3285	.9109
P11	146.3231	157.4721	.3814	.9104
P12	146.4000	157.9313	.3829	.9104
P13	146.3538	159.1697	.2926	.9112
P14	146.6615	153.7587	.6201	.9079
P15	146.5231	155.6909	.4784	.9094
P16	146.3692	157.1428	.4754	.9096
P17	146.5231	156.2846	.4853	.9094
P18	147.0154	155.4529	.4646	.9095
P19	146.7538	155.6572	.6001	.9085
P20	147.2769	153.3596	.4878	.9092
P21	146.8154	155.7779	.5669	.9087
P22	146.8462	154.6322	.5816	.9083
P23	146.7692	154.0553	.4603	.9095
P24	146.8923	156.8163	.3611	.9107
P25	147.4923	156.2538	.3002	.9120
P26	147.4615	155.5024	.3544	.9111
P27	147.1692	157.1115	.2939	.9118
P28	146.3077	158.0913	.4098	.9102

P29	146.4000	157.4313	.4209	.9100
P30	146.7385	158.0712	.2766	.9117
P31	146.4462	156.8760	.4363	.9098
P32	146.4308	158.5303	.3591	.9106
P33	146.6923	157.5288	.4421	.9099
P35	146.9385	155.9337	.4397	.9098
P36	147.4000	155.4938	.4014	.9103
P37	146.7385	157.9462	.3789	.9104
P39	146.5846	157.6216	.4534	.9098
P40	146.4462	157.2822	.4070	.9101
P41	146.5231	157.8471	.3515	.9107
P42	146.8154	155.1529	.5006	.9091
P44	146.8923	159.4413	.2230	.9121
P45	146.4615	157.2837	.3863	.9103
P46	146.7077	155.6788	.4819	.9093
P47	147.3692	156.9553	.3101	.9115
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RELIABILITY ANALYSIS - SCALE (ALPHA A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P50	146.3077	159.8726	.2627	.9114
P51	146.6923	155.8726	.5417	.9089
P52	146.6308	157.5178	.4182	.9101
P53	146.7231	156.3596	.5212	.9091
P54	146.7538	155.6260	.6027	.9085
P55	147.3077	153.2163	.5220	.9087

Reliability Coefficients

N of Cases = 65.0

N of Items = 47

Alpha = .9119

Pengujian Valid setelah variabel yang tidak valid dihilangkan(2)

RELIABILITY ANALYSIS - SCALE (ALPHA A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
P2	143.4615	154.4399	.2905	.9117
P3	143.8615	153.8399	.3290	.9113
P4	144.1385	153.7462	.2854	.9120
P5	143.9846	151.1716	.5310	.9090
P6	143.8000	155.5688	.2450	.9120

P9	143.3077	153.7476	.3905	.9105
P10	143.3385	154.4149	.3387	.9111
P11	143.2769	153.4846	.3926	.9105
P12	143.3538	154.0760	.3843	.9106
P13	143.3077	155.3101	.2933	.9115
P14	143.6154	149.8966	.6255	.9080
P15	143.4769	151.7534	.4871	.9095
P16	143.3231	153.1909	.4858	.9097
P17	143.4769	152.3471	.4944	.9095
P18	143.9692	151.5928	.4681	.9097
P19	143.7077	151.7726	.6066	.9087
P20	144.2308	149.5553	.4890	.9094
P21	143.7692	152.0553	.5599	.9090
P22	143.8000	150.8500	.5806	.9086
P23	143.7231	150.1096	.4688	.9097
P24	143.8462	152.9135	.3659	.9109
P25	144.4462	152.4697	.2984	.9124
P26	144.4154	151.7466	.3516	.9114
P27	144.1231	153.2659	.2947	.9120
P28	143.2615	154.2899	.4068	.9105
P29	143.3538	153.7635	.4084	.9104
P30	143.6923	154.3726	.2682	.9121
P31	143.4000	153.2125	.4246	.9102
P32	143.3846	154.7716	.3523	.9109
P33	143.6462	153.7322	.4394	.9101
P35	143.8923	152.0038	.4474	.9099
P36	144.3538	151.6697	.4023	.9105
P37	143.6923	154.1851	.3731	.9107
P39	143.5385	153.7837	.4540	.9101
P40	143.4000	153.4313	.4086	.9104
P41	143.4769	154.0034	.3520	.9109
P42	143.7692	151.3678	.4994	.9093
P45	143.4154	153.5279	.3812	.9106
P46	143.6615	151.9774	.4746	.9096
P47	144.3231	153.4721	.2913	.9120
P50	143.2615	156.1024	.2553	.9118
P51	143.6462	152.0760	.5406	.9091
P52	143.5846	153.7154	.4160	.9103
P53	143.6769	152.5659	.5194	.9094
P54	143.7077	151.8038	.6039	.9087
P55	144.2615	149.4462	.5214	.9090

Reliability Coefficients

N of Cases = 65.0

N of Items = 46

Alpha = .9121

Pengujian Valid Aloysius (Bagian 3)

(R E L I A B I L I T Y A N A L Y S I S - S C A L E (A L P H A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
X1	33.6970	20.1553	.7442	.8532
X2	34.0303	19.0928	.6340	.8531
X3	33.9091	20.6477	.4039	.8659
X4	33.6970	20.0928	.5352	.8592
X5	33.5152	19.1326	.5085	.8619
X6	34.1212	19.0473	.6374	.8528
X7	33.9091	20.4602	.5195	.8605
X8	33.7273	19.0795	.5935	.8555
X9	33.5758	21.1269	.3008	.8710
X10	33.5758	19.5644	.5723	.8569
X11	33.8788	18.9848	.4985	.8633
X12	34.0000	19.5000	.5575	.8577
Y	33.6364	19.2386	.6405	.8529

Reliability Coefficients

N of Cases = 33.0

N of Items = 13

Alpha = .8683

Pengujian Valid setelah variabel yang tidak valid dihilangkan

(R E L I A B I L I T Y A N A L Y S I S - S C A L E (A L P H A)

Item-total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Alpha if Item Deleted
X1	30.6667	18.5417	.7364	.8561
X2	31.0000	17.4375	.6461	.8551
X3	30.8788	18.8598	.4320	.8679
X4	30.6667	18.3542	.5587	.8611
X5	30.4848	17.5701	.5006	.8661
X6	31.0909	17.3352	.6619	.8540
X7	30.8788	18.6723	.5546	.8619
X8	30.6970	17.4678	.5958	.8584
X10	30.5455	18.1932	.5187	.8632
X11	30.8485	17.5076	.4771	.8688
X12	30.9697	17.8428	.5659	.8603
Y	30.6061	17.7462	.6158	.8572

Reliability Coefficients

N of Cases = 33.0

N of Items = 12

Alpha = .8710

Quick Cluster (BPK)

3 klaster

Initial Cluster Centers

	Cluster		
	1	2	3
P1	4.00	4.00	3.00
P2	4.00	4.00	3.00
P3	3.00	4.00	3.00
P5	2.00	4.00	2.00
P6	3.00	4.00	3.00
P7	4.00	4.00	3.00
P8	4.00	4.00	3.00
P9	4.00	4.00	3.00
P10	4.00	4.00	3.00
P11	4.00	4.00	4.00
P12	1.00	4.00	4.00
P13	4.00	4.00	4.00
P14	3.00	4.00	3.00
P15	4.00	4.00	3.00
P16	4.00	4.00	3.00
P17	4.00	4.00	3.00
P18	2.00	4.00	3.00
P19	4.00	4.00	2.00
P20	3.00	4.00	2.00
P21	4.00	4.00	4.00
P22	4.00	4.00	4.00
P23	4.00	4.00	4.00
P24	1.00	4.00	3.00
P25	1.00	4.00	2.00
P26	1.00	4.00	3.00
P27	1.00	4.00	3.00
P28	4.00	4.00	3.00
P29	4.00	4.00	3.00
P30	4.00	4.00	3.00
P31	4.00	4.00	3.00
P32	4.00	4.00	2.00
P33	4.00	4.00	2.00
P34	4.00	4.00	2.00
P35	3.00	4.00	2.00
P36	2.00	4.00	4.00
P37	1.00	4.00	3.00
P38	3.00	4.00	3.00
P39	3.00	4.00	4.00
P40	4.00	4.00	2.00
P41	4.00	3.00	3.00
P42	2.00	3.00	4.00
P43	2.00	4.00	2.00
P44	2.00	3.00	2.00
P45	4.00	4.00	3.00
P46	4.00	3.00	4.00
P47	4.00	4.00	2.00
P48	2.00	4.00	2.00
P49	4.00	4.00	4.00
P50	4.00	4.00	2.00
P51	4.00	4.00	3.00
P52	4.00	4.00	3.00
P53	2.00	4.00	2.00
P54	3.00	4.00	3.00
P55	4.00	2.00	4.00

Iteration History^a

Iteration	Change in Cluster Centers		
	1	2	3
1	5.244	3.896	5.117
2	.905	.316	.314
3	.587	.146	.188
4	.450	.108	.161
5	.311	.055	.126
6	.121	.036	.000
7	.239	.078	.000
8	.164	.057	.000
9	.269	.077	.071
10	.504	.133	.184

- a. Iterations stopped because the maximum number of iterations was performed. Iterations failed to converge. The maximum absolute coordinate change for any center is .179. The current iteration is 10. The minimum distance between initial centers is 9.110.

Final Cluster Centers

	Cluster		
	1	2	3
P1	3.67	3.77	3.42
P2	3.52	3.60	3.32
P3	3.24	3.19	2.91
P5	3.07	3.16	2.84
P6	3.16	3.31	2.91
P7	3.16	3.61	3.24
P8	3.90	3.98	3.55
P9	3.67	3.88	3.32
P10	3.52	3.80	3.41
P11	3.67	3.89	3.38
P12	3.38	3.83	3.19
P13	3.52	3.86	3.15
P14	3.57	3.73	3.11
P15	3.72	3.89	3.23
P16	3.74	3.86	3.18
P17	3.53	3.85	3.09
P18	2.90	3.40	2.80
P19	3.29	3.70	3.00
P20	2.86	3.46	2.70
P21	3.28	3.66	2.97
P22	3.34	3.71	2.91
P23	3.26	3.82	3.16
P24	3.07	3.64	2.97
P25	2.52	3.10	2.54
P26	2.57	2.94	2.53
P27	2.69	3.26	2.70
P28	3.83	3.91	3.26
P29	3.81	3.93	3.27
P30	3.53	3.55	3.03
P31	3.64	3.86	3.15
P32	3.72	3.90	3.18
P33	3.38	3.81	3.04
P34	3.48	3.77	3.00
P35	3.16	3.70	2.96
P36	2.41	3.20	2.78
P37	2.97	3.62	2.89
P38	3.00	3.52	2.86
P39	3.33	3.76	3.03
P40	3.47	3.88	3.08
P41	3.47	3.88	3.16
P42	3.28	3.70	3.05
P43	3.19	3.53	2.85
P44	3.29	3.59	2.84
P45	3.55	3.69	3.08
P46	3.21	3.54	3.01
P47	3.07	3.22	2.76
P48	3.48	3.76	3.08
P49	3.83	3.93	3.42
P50	3.83	3.89	3.35
P51	3.26	3.79	2.97
P52	3.24	3.85	2.97
P53	3.03	3.78	2.99
P54	3.26	3.81	3.09
P55	2.55	3.21	2.72

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P1	2.569	2	.223	223	11.541	.000
P2	1.561	2	.275	223	5.677	.004
P3	2.361	2	.339	223	6.974	.001
P5	2.199	2	.289	223	7.617	.001
P6	3.377	2	.430	223	7.844	.001
P7	4.559	2	.375	223	12.151	.000
P8	3.971	2	.142	223	28.003	.000
P9	6.488	2	.236	223	27.453	.000
P10	3.439	2	.231	223	14.897	.000
P11	5.497	2	.202	223	27.168	.000
P12	9.106	2	.270	223	33.686	.000
P13	10.546	2	.175	223	60.224	.000
P14	8.375	2	.286	223	29.314	.000
P15	9.450	2	.196	223	48.317	.000
P16	10.456	2	.220	223	47.548	.000
P17	11.853	2	.236	223	50.171	.000
P18	8.872	2	.466	223	19.028	.000
P19	10.420	2	.277	223	37.676	.000
P20	13.283	2	.402	223	33.028	.000
P21	9.902	2	.281	223	35.252	.000
P22	13.498	2	.281	223	48.017	.000
P23	10.521	2	.247	223	42.579	.000
P24	10.809	2	.239	223	45.164	.000
P25	8.786	2	.471	223	18.659	.000
P26	4.219	2	.459	223	9.199	.000
P27	8.561	2	.349	223	24.555	.000
P28	9.852	2	.151	223	65.160	.000
P29	9.537	2	.143	223	66.491	.000
P30	6.710	2	.348	223	19.280	.000
P31	10.702	2	.179	223	59.717	.000
P32	11.417	2	.163	223	69.865	.000
P33	12.388	2	.193	223	64.116	.000
P34	12.209	2	.230	223	53.038	.000
P35	12.460	2	.216	223	57.718	.000
P36	11.489	2	.465	223	24.691	.000
P37	13.263	2	.275	223	48.266	.000
P38	10.082	2	.341	223	29.541	.000
P39	11.227	2	.207	223	54.317	.000
P40	13.401	2	.214	223	62.709	.000
P41	10.972	2	.207	223	52.962	.000
P42	9.122	2	.283	223	32.275	.000
P43	9.628	2	.295	223	32.687	.000
P44	11.590	2	.273	223	42.447	.000
P45	8.073	2	.224	223	36.069	.000
P46	6.021	2	.349	223	17.252	.000
P47	4.564	2	.402	223	11.353	.000
P48	9.424	2	.248	223	37.956	.000
P49	5.651	2	.147	223	38.460	.000
P50	6.731	2	.162	223	41.609	.000
P51	14.349	2	.201	223	71.406	.000
P52	17.034	2	.146	223	116.943	.000
P53	16.272	2	.158	223	103.010	.000
P54	11.746	2	.170	223	68.911	.000
P55	9.322	2	.543	223	17.162	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	58.000
	2	94.000
	3	74.000
Valid		226.000
Missing		.000

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Initial Cluster Centers

	Cluster			
	1	2	3	4
P1	4.00	4.00	3.00	3.00
P2	4.00	3.00	3.00	2.00
P3	3.00	3.00	3.00	4.00
P5	2.00	3.00	3.00	4.00
P6	3.00	4.00	2.00	4.00
P7	4.00	3.00	2.00	4.00
P8	4.00	4.00	1.00	4.00
P9	4.00	2.00	3.00	4.00
P10	4.00	2.00	4.00	4.00
P11	4.00	4.00	4.00	4.00
P12	1.00	3.00	3.00	4.00
P13	4.00	3.00	3.00	4.00
P14	3.00	4.00	1.00	4.00
P15	4.00	4.00	1.00	4.00
P16	4.00	4.00	1.00	4.00
P17	4.00	4.00	1.00	4.00
P18	2.00	3.00	4.00	4.00
P19	4.00	3.00	4.00	4.00
P20	3.00	3.00	4.00	4.00
P21	4.00	3.00	4.00	4.00
P22	4.00	4.00	4.00	4.00
P23	4.00	2.00	4.00	4.00
P24	1.00	3.00	4.00	4.00
P25	1.00	3.00	3.00	4.00
P26	1.00	3.00	3.00	4.00
P27	1.00	3.00	3.00	4.00
P28	4.00	4.00	4.00	4.00
P29	4.00	4.00	4.00	4.00
P30	4.00	4.00	3.00	4.00
P31	4.00	4.00	3.00	4.00
P32	4.00	3.00	3.00	4.00
P33	4.00	3.00	3.00	4.00
P34	4.00	4.00	3.00	4.00
P35	3.00	4.00	3.00	4.00
P36	2.00	2.00	3.00	4.00
P37	1.00	3.00	3.00	4.00
P38	3.00	2.00	3.00	4.00
P39	3.00	4.00	4.00	4.00
P40	4.00	2.00	4.00	4.00
P41	4.00	1.00	4.00	4.00
P42	2.00	4.00	3.00	4.00
P43	2.00	3.00	3.00	4.00
P44	2.00	4.00	3.00	4.00
P45	4.00	4.00	3.00	4.00
P46	4.00	1.00	3.00	4.00
P47	4.00	4.00	3.00	4.00
P48	2.00	4.00	4.00	4.00
P49	4.00	3.00	4.00	4.00
P50	4.00	3.00	4.00	4.00
P51	4.00	3.00	3.00	4.00
P52	4.00	4.00	3.00	4.00
P53	2.00	2.00	3.00	4.00
P54	3.00	2.00	3.00	4.00
P55	4.00	1.00	3.00	4.00

Iteration History^a

Iteration	Change in Cluster Centers			
	1	2	3	4
1	5.869	5.757	5.591	4.015
2	.474	.504	.256	.280
3	.213	.429	.241	.150
4	.453	.571	.355	.131
5	.167	.452	.262	.225
6	.262	.286	.169	.187
7	.094	.185	.166	.113
8	.227	.107	.099	.086
9	.159	.080	.102	.076
10	.000	.071	.000	.070

- a. Iterations stopped because the maximum number of iterations was performed. Iterations failed to converge. The maximum absolute coordinate change for any center is .028. The current iteration is 10. The minimum distance between initial centers is 9.000.

Final Cluster Centers

	Cluster			
	1	2	3	4
P1	3.45	3.62	3.41	3.83
P2	3.48	3.50	3.20	3.64
P3	2.93	3.12	2.98	3.25
P5	2.62	3.16	2.93	3.12
P6	2.90	3.20	2.86	3.32
P7	3.21	3.32	3.14	3.62
P8	3.72	3.92	3.41	3.99
P9	3.48	3.72	3.18	3.90
P10	3.52	3.61	3.27	3.81
P11	3.38	3.68	3.39	3.92
P12	2.86	3.51	3.27	3.87
P13	3.10	3.61	3.09	3.90
P14	3.17	3.59	3.02	3.77
P15	3.48	3.71	3.09	3.92
P16	3.38	3.72	3.05	3.90
P17	3.28	3.54	3.00	3.90
P18	2.48	3.03	2.89	3.45
P19	2.97	3.30	3.07	3.75
P20	2.45	3.01	2.77	3.49
P21	3.00	3.17	3.11	3.75
P22	2.83	3.32	3.05	3.77
P23	3.07	3.38	3.18	3.84
P24	2.86	3.16	2.98	3.71
P25	1.79	2.79	2.73	3.13
P26	1.83	2.80	2.73	2.94
P27	2.07	2.92	2.84	3.31
P28	3.45	3.82	3.11	3.95
P29	3.52	3.82	3.09	3.95
P30	3.14	3.43	3.07	3.58
P31	3.41	3.58	3.11	3.88
P32	3.38	3.68	3.09	3.95
P33	3.14	3.38	3.07	3.84
P34	2.97	3.51	3.02	3.79
P35	2.93	3.18	3.02	3.77
P36	2.34	2.61	2.91	3.29
P37	2.79	3.01	2.95	3.71
P38	2.72	2.96	3.02	3.64
P39	3.07	3.36	3.05	3.79
P40	3.28	3.50	3.00	3.91
P41	3.28	3.53	3.09	3.91
P42	2.83	3.34	3.16	3.75
P43	2.69	3.22	2.91	3.60
P44	2.66	3.32	2.91	3.65
P45	3.17	3.51	3.02	3.75
P46	2.86	3.25	3.02	3.62
P47	2.72	3.05	2.80	3.26
P48	3.10	3.50	3.07	3.79
P49	3.69	3.79	3.27	3.96
P50	3.66	3.75	3.20	3.95
P51	3.07	3.26	3.00	3.84
P52	3.07	3.30	2.98	3.88
P53	2.97	3.16	3.00	3.82
P54	3.24	3.29	3.02	3.88
P55	2.41	2.71	2.80	3.27

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P1	2.077	3	.219	222	9.497	.000
P2	1.747	3	.267	222	6.550	.000
P3	1.050	3	.347	222	3.023	.031
P5	2.369	3	.278	222	8.527	.000
P6	2.651	3	.427	222	6.209	.000
P7	2.780	3	.380	222	7.308	.000
P8	3.540	3	.130	222	27.151	.000
P9	5.176	3	.226	222	22.912	.000
P10	2.718	3	.226	222	12.019	.000
P11	3.633	3	.204	222	17.836	.000
P12	8.211	3	.243	222	33.840	.000
P13	8.163	3	.161	222	50.828	.000
P14	6.399	3	.276	222	23.189	.000
P15	6.825	3	.189	222	36.041	.000
P16	7.616	3	.212	222	35.896	.000
P17	8.182	3	.234	222	35.036	.000
P18	7.670	3	.445	222	17.249	.000
P19	6.802	3	.280	222	24.311	.000
P20	9.706	3	.392	222	24.730	.000
P21	6.974	3	.277	222	25.167	.000
P22	8.474	3	.289	222	29.274	.000
P23	6.557	3	.254	222	25.775	.000
P24	8.249	3	.226	222	36.446	.000
P25	12.584	3	.382	222	32.937	.000
P26	9.049	3	.376	222	24.034	.000
P27	11.024	3	.278	222	39.606	.000
P28	7.534	3	.139	222	54.275	.000
P29	7.657	3	.127	222	60.512	.000
P30	3.138	3	.368	222	8.536	.000
P31	5.809	3	.198	222	29.348	.000
P32	7.532	3	.165	222	45.592	.000
P33	7.185	3	.209	222	34.445	.000
P34	8.049	3	.232	222	34.626	.000
P35	8.336	3	.216	222	38.514	.000
P36	8.896	3	.451	222	19.737	.000
P37	10.145	3	.258	222	39.260	.000
P38	8.933	3	.313	222	28.547	.000
P39	6.898	3	.216	222	32.001	.000
P40	8.434	3	.221	222	38.092	.000
P41	7.134	3	.211	222	33.882	.000
P42	7.278	3	.268	222	27.181	.000
P43	7.793	3	.277	222	28.102	.000
P44	9.310	3	.253	222	36.813	.000
P45	5.881	3	.218	222	26.968	.000
P46	5.708	3	.328	222	17.416	.000
P47	3.079	3	.403	222	7.633	.000
P48	6.352	3	.248	222	25.565	.000
P49	4.541	3	.137	222	33.105	.000
P50	5.262	3	.152	222	34.611	.000
P51	8.927	3	.210	222	42.409	.000
P52	9.907	3	.166	222	59.723	.000
P53	9.748	3	.174	222	56.173	.000
P54	8.546	3	.162	222	52.894	.000
P55	6.892	3	.536	222	12.847	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	29.000
	2	76.000
	3	44.000
	4	77.000
Valid		226.000
Missing		.000

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Initial Cluster Centers

	Cluster				
	1	2	3	4	5
P1	4.00	3.00	4.00	4.00	3.00
P2	4.00	3.00	4.00	4.00	4.00
P3	3.00	3.00	4.00	3.00	3.00
P5	2.00	3.00	4.00	3.00	3.00
P6	3.00	2.00	4.00	2.00	2.00
P7	4.00	2.00	4.00	4.00	3.00
P8	4.00	1.00	4.00	4.00	3.00
P9	4.00	3.00	4.00	4.00	2.00
P10	4.00	4.00	4.00	4.00	3.00
P11	4.00	4.00	4.00	4.00	3.00
P12	1.00	3.00	4.00	4.00	3.00
P13	4.00	3.00	4.00	4.00	3.00
P14	3.00	1.00	4.00	4.00	2.00
P15	4.00	1.00	4.00	4.00	3.00
P16	4.00	1.00	4.00	4.00	4.00
P17	4.00	1.00	4.00	4.00	3.00
P18	2.00	4.00	4.00	3.00	2.00
P19	4.00	4.00	4.00	3.00	1.00
P20	3.00	4.00	4.00	1.00	2.00
P21	4.00	4.00	4.00	1.00	3.00
P22	4.00	4.00	4.00	2.00	3.00
P23	4.00	4.00	4.00	2.00	2.00
P24	1.00	4.00	4.00	2.00	3.00
P25	1.00	3.00	4.00	3.00	1.00
P26	1.00	3.00	4.00	2.00	2.00
P27	1.00	3.00	4.00	3.00	2.00
P28	4.00	4.00	4.00	4.00	4.00
P29	4.00	4.00	4.00	4.00	4.00
P30	4.00	3.00	4.00	4.00	3.00
P31	4.00	3.00	4.00	2.00	3.00
P32	4.00	3.00	4.00	4.00	3.00
P33	4.00	3.00	4.00	2.00	3.00
P34	4.00	3.00	4.00	4.00	3.00
P35	3.00	3.00	4.00	2.00	3.00
P36	2.00	3.00	4.00	4.00	1.00
P37	1.00	3.00	4.00	2.00	3.00
P38	3.00	3.00	4.00	2.00	3.00
P39	3.00	4.00	4.00	2.00	3.00
P40	4.00	4.00	4.00	1.00	3.00
P41	4.00	4.00	4.00	4.00	3.00
P42	2.00	3.00	4.00	4.00	3.00
P43	2.00	3.00	4.00	4.00	2.00
P44	2.00	3.00	4.00	3.00	2.00
P45	4.00	3.00	4.00	3.00	3.00
P46	4.00	3.00	4.00	4.00	1.00
P47	4.00	3.00	4.00	4.00	1.00
P48	2.00	4.00	4.00	4.00	2.00
P49	4.00	4.00	4.00	4.00	4.00
P50	4.00	4.00	4.00	4.00	3.00
P51	4.00	3.00	4.00	2.00	3.00
P52	4.00	3.00	4.00	2.00	3.00
P53	2.00	3.00	4.00	2.00	3.00
P54	3.00	3.00	4.00	4.00	3.00
P55	4.00	3.00	4.00	2.00	2.00

Iteration History^a

Iteration	Change in Cluster Centers				
	1	2	3	4	5
1	4.493	4.907	3.732	5.003	5.189
2	.984	.753	.259	1.066	.314
3	.000	.739	.217	.802	.183
4	.904	.727	.285	.512	.101
5	.000	.328	.244	.497	.119
6	.000	.143	.097	.340	.173
7	.000	.181	.060	.240	.151
8	.000	.129	.000	.133	.065
9	.000	.000	.070	.159	.066
10	.000	.000	.050	.085	.000

- a. Iterations stopped because the maximum number of iterations was performed. Iterations failed to converge. The maximum absolute coordinate change for any center is .028. The current iteration is 10. The minimum distance between initial centers is 8.944.

Final Cluster Centers

	Cluster				
	1	2	3	4	5
P1	3.50	3.60	3.82	3.66	3.36
P2	3.50	3.43	3.59	3.56	3.31
P3	2.75	3.10	3.22	3.22	2.90
P5	2.50	3.30	3.13	3.00	2.81
P6	3.50	3.17	3.33	3.04	2.92
P7	3.50	3.30	3.60	3.26	3.17
P8	4.00	3.70	3.99	3.92	3.54
P9	4.00	3.57	3.90	3.66	3.29
P10	3.75	3.37	3.77	3.76	3.32
P11	3.50	3.47	3.89	3.84	3.32
P12	3.25	3.23	3.86	3.56	3.12
P13	3.75	3.30	3.89	3.64	3.07
P14	3.00	3.03	3.77	3.78	3.10
P15	4.00	3.03	3.93	3.98	3.20
P16	4.00	3.03	3.90	3.94	3.17
P17	4.00	2.90	3.89	3.76	3.08
P18	2.00	3.10	3.41	2.98	2.75
P19	3.00	3.40	3.71	3.30	2.95
P20	2.75	3.23	3.49	2.74	2.64
P21	3.75	3.43	3.71	3.00	3.02
P22	3.75	3.57	3.73	3.12	2.88
P23	3.25	3.37	3.84	3.32	3.10
P24	2.50	3.30	3.70	3.02	2.93
P25	1.50	2.87	3.13	2.66	2.37
P26	1.25	2.80	2.95	2.72	2.41
P27	1.50	2.97	3.30	2.80	2.59
P28	3.75	3.70	3.95	3.80	3.17
P29	3.75	3.67	3.95	3.80	3.20
P30	3.75	3.60	3.57	3.32	3.02
P31	3.75	3.53	3.87	3.54	3.19
P32	3.50	3.63	3.94	3.70	3.10
P33	3.75	3.43	3.83	3.30	3.02
P34	3.75	3.50	3.77	3.44	2.93
P35	3.25	3.13	3.72	3.24	2.92
P36	2.25	2.60	3.25	2.60	2.71
P37	3.00	3.07	3.67	2.90	2.92
P38	3.00	3.13	3.61	2.78	2.92
P39	3.25	3.47	3.77	3.26	3.00
P40	4.00	3.67	3.90	3.30	3.03
P41	3.75	3.73	3.90	3.34	3.08
P42	2.75	3.43	3.73	3.22	3.03
P43	2.75	3.43	3.58	3.02	2.81
P44	2.75	3.50	3.63	3.18	2.75
P45	4.00	3.53	3.73	3.34	3.08
P46	3.00	3.33	3.59	3.20	2.92
P47	3.00	3.00	3.25	3.08	2.69
P48	3.25	3.53	3.77	3.50	2.98
P49	3.75	3.77	3.95	3.78	3.37
P50	3.75	3.77	3.92	3.78	3.29
P51	3.75	3.30	3.82	3.18	2.97
P52	4.00	3.30	3.87	3.20	2.95
P53	3.25	3.10	3.81	3.06	3.00
P54	3.50	3.17	3.87	3.28	3.08
P55	3.00	2.67	3.24	2.68	2.64

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P1	1.886	4	.214	221	8.824	.000
P2	.798	4	.277	221	2.879	.024
P3	1.180	4	.342	221	3.452	.009
P5	1.748	4	.280	221	6.252	.000
P6	1.717	4	.434	221	3.958	.004
P7	1.919	4	.385	221	4.982	.001
P8	1.987	4	.143	221	13.895	.000
P9	3.441	4	.235	221	14.648	.000
P10	2.497	4	.219	221	11.411	.000
P11	3.505	4	.190	221	18.401	.000
P12	5.406	4	.257	221	21.008	.000
P13	6.455	4	.155	221	41.561	.000
P14	6.718	4	.242	221	27.707	.000
P15	8.861	4	.122	221	72.338	.000
P16	8.658	4	.160	221	54.171	.000
P17	9.492	4	.174	221	54.601	.000
P18	5.196	4	.457	221	11.376	.000
P19	5.228	4	.279	221	18.752	.000
P20	8.061	4	.380	221	21.205	.000
P21	6.071	4	.263	221	23.068	.000
P22	7.487	4	.270	221	27.698	.000
P23	5.298	4	.249	221	21.307	.000
P24	6.878	4	.215	221	32.016	.000
P25	6.886	4	.430	221	16.016	.000
P26	4.763	4	.415	221	11.482	.000
P27	6.798	4	.306	221	22.201	.000
P28	5.565	4	.141	221	39.463	.000
P29	5.070	4	.139	221	36.396	.000
P30	3.208	4	.354	221	9.067	.000
P31	4.060	4	.204	221	19.882	.000
P32	6.180	4	.156	221	39.523	.000
P33	6.156	4	.196	221	31.465	.000
P34	6.201	4	.231	221	26.896	.000
P35	6.131	4	.220	221	27.913	.000
P36	5.252	4	.478	221	10.978	.000
P37	7.161	4	.268	221	26.752	.000
P38	6.996	4	.309	221	22.642	.000
P39	5.515	4	.210	221	26.220	.000
P40	7.533	4	.201	221	37.557	.000
P41	6.625	4	.188	221	35.160	.000
P42	5.119	4	.275	221	18.608	.000
P43	6.163	4	.273	221	22.592	.000
P44	7.458	4	.245	221	30.389	.000
P45	4.156	4	.224	221	18.583	.000
P46	4.140	4	.332	221	12.480	.000
P47	2.727	4	.398	221	6.858	.000
P48	5.467	4	.237	221	23.078	.000
P49	2.943	4	.146	221	20.133	.000
P50	3.583	4	.159	221	22.490	.000
P51	7.214	4	.202	221	35.707	.000
P52	8.465	4	.148	221	57.226	.000
P53	7.646	4	.168	221	45.442	.000
P54	6.535	4	.160	221	40.837	.000
P55	4.380	4	.553	221	7.919	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	4.000
	2	30.000
	3	83.000
	4	50.000
	5	59.000
Valid		226.000
Missing		.000

Quick Cluster (Aloysius)
3 klaster

Initial Cluster Centers

	Cluster		
	1	2	3
P2	4.00	2.00	4.00
P3	4.00	4.00	4.00
P4	3.00	2.00	2.00
P5	4.00	2.00	2.00
P6	4.00	3.00	3.00
P9	4.00	2.00	4.00
P10	4.00	2.00	4.00
P11	4.00	2.00	4.00
P12	4.00	3.00	4.00
P13	4.00	4.00	4.00
P14	4.00	3.00	3.00
P15	4.00	3.00	4.00
P16	4.00	3.00	4.00
P17	4.00	3.00	4.00
P18	4.00	2.00	4.00
P19	4.00	2.00	4.00
P20	4.00	3.00	1.00
P21	4.00	3.00	4.00
P22	4.00	2.00	4.00
P23	4.00	2.00	4.00
P24	4.00	2.00	1.00
P25	4.00	1.00	1.00
P26	4.00	1.00	1.00
P27	4.00	2.00	1.00
P28	4.00	4.00	4.00
P29	4.00	4.00	4.00
P30	3.00	4.00	4.00
P31	4.00	4.00	4.00
P32	4.00	4.00	4.00
P33	4.00	4.00	2.00
P35	4.00	2.00	3.00
P36	4.00	2.00	1.00
P37	4.00	4.00	3.00
P39	4.00	3.00	4.00
P40	4.00	2.00	4.00
P41	4.00	2.00	4.00
P42	4.00	2.00	1.00
P45	4.00	4.00	4.00
P46	4.00	4.00	4.00
P47	3.00	4.00	1.00
P50	4.00	4.00	4.00
P51	4.00	2.00	4.00
P52	4.00	2.00	4.00
P53	4.00	2.00	2.00
P54	4.00	2.00	4.00
P55	4.00	2.00	1.00

Iteration History^a

Iteration	Change in Cluster Centers		
	1	2	3
1	4.614	5.215	5.002
2	.386	.537	.000
3	.526	.497	.411
4	.143	.258	.711
5	.135	.179	.351
6	.000	.000	.000

- a. Convergence achieved due to no or small change in cluster centers. The maximum absolute coordinate change for any center is .000. The current iteration is 6. The minimum distance between initial centers is 9.055.

Final Cluster Centers

	Cluster		
	1	2	3
P2	3.69	3.14	3.60
P3	3.19	2.86	3.10
P4	3.08	2.72	2.00
P5	3.27	2.69	2.60
P6	3.23	2.93	3.20
P9	3.73	3.34	3.90
P10	3.69	3.28	4.00
P11	3.88	3.24	4.00
P12	3.69	3.41	3.50
P13	3.77	3.41	3.60
P14	3.69	3.00	3.00
P15	3.77	3.10	3.40
P16	3.88	3.24	3.70
P17	3.73	3.07	3.60
P18	3.19	2.59	3.20
P19	3.46	2.90	3.30
P20	3.15	2.38	2.20
P21	3.35	2.90	3.20
P22	3.38	2.86	3.00
P23	3.50	3.00	2.80
P24	3.35	3.00	2.40
P25	2.69	2.55	1.50
P26	2.85	2.48	1.50
P27	3.04	2.86	1.80
P28	3.85	3.38	3.80
P29	3.69	3.31	3.80
P30	3.31	3.03	3.40
P31	3.65	3.34	3.50
P32	3.62	3.31	3.80
P33	3.50	3.07	3.10
P35	3.31	2.86	2.60
P36	2.88	2.31	2.30
P37	3.46	3.07	2.90
P39	3.58	3.10	3.50
P40	3.62	3.31	3.70
P41	3.54	3.17	3.80
P42	3.42	3.00	2.70
P45	3.73	3.21	3.60
P46	3.42	3.07	3.20
P47	2.81	2.48	2.20
P50	3.85	3.34	3.90
P51	3.58	3.07	2.90
P52	3.50	3.17	3.20
P53	3.54	3.03	2.90
P54	3.46	3.03	2.90
P55	3.12	2.24	2.50

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P2	2.276	2	.345	62	6.598	.003
P3	.776	2	.393	62	1.973	.148
P4	4.211	2	.414	62	10.183	.000
P5	2.862	2	.286	62	10.012	.000
P6	.684	2	.324	62	2.113	.129
P9	1.609	2	.267	62	6.021	.004
P10	2.365	2	.247	62	9.564	.000
P11	3.710	2	.225	62	16.473	.000
P12	.540	2	.275	62	1.963	.149
P13	.867	2	.259	62	3.351	.042
P14	3.738	2	.251	62	14.917	.000
P15	3.040	2	.286	62	10.645	.000
P16	2.937	2	.162	62	18.094	.000
P17	3.204	2	.216	62	14.848	.000
P18	2.971	2	.333	62	8.911	.000
P19	2.267	2	.181	62	12.491	.000
P20	5.371	2	.449	62	11.973	.000
P21	1.421	2	.229	62	6.214	.003
P22	1.922	2	.284	62	6.770	.002
P23	2.519	2	.518	62	4.866	.011
P24	3.288	2	.359	62	9.149	.000
P25	5.425	2	.568	62	9.553	.000
P26	6.545	2	.470	62	13.932	.000
P27	5.764	2	.420	62	13.741	.000
P28	1.663	2	.191	62	8.729	.000
P29	1.404	2	.248	62	5.674	.005
P30	.748	2	.466	62	1.605	.209
P31	.655	2	.305	62	2.144	.126
P32	1.143	2	.225	62	5.075	.009
P33	1.400	2	.214	62	6.544	.003
P35	2.307	2	.345	62	6.687	.002
P36	2.597	2	.467	62	5.559	.006
P37	1.588	2	.246	62	6.468	.003
P39	1.663	2	.186	62	8.937	.000
P40	.893	2	.298	62	2.998	.057
P41	1.793	2	.294	62	6.107	.004
P42	2.285	2	.330	62	6.928	.002
P45	1.971	2	.295	62	6.686	.002
P46	.865	2	.352	62	2.460	.094
P47	1.529	2	.530	62	2.884	.063
P50	2.151	2	.175	62	12.307	.000
P51	2.477	2	.211	62	11.714	.000
P52	.804	2	.262	62	3.070	.054
P53	2.329	2	.199	62	11.713	.000
P54	1.729	2	.199	62	8.695	.000
P55	5.337	2	.395	62	13.526	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	26.000
	2	29.000
	3	10.000
Valid		65.000
Missing		.000

4 klaster

Initial Cluster Centers

	Cluster			
	1	2	3	4
P2	4.00	4.00	4.00	1.00
P3	3.00	4.00	4.00	4.00
P4	3.00	3.00	2.00	2.00
P5	3.00	4.00	2.00	3.00
P6	3.00	4.00	3.00	4.00
P9	3.00	4.00	4.00	4.00
P10	3.00	4.00	4.00	4.00
P11	3.00	4.00	4.00	4.00
P12	3.00	4.00	4.00	4.00
P13	3.00	4.00	4.00	4.00
P14	3.00	4.00	3.00	3.00
P15	3.00	4.00	4.00	3.00
P16	4.00	4.00	4.00	4.00
P17	3.00	4.00	4.00	4.00
P18	2.00	4.00	4.00	2.00
P19	3.00	4.00	4.00	3.00
P20	2.00	4.00	1.00	3.00
P21	2.00	4.00	4.00	3.00
P22	2.00	4.00	4.00	3.00
P23	2.00	4.00	4.00	1.00
P24	2.00	4.00	1.00	2.00
P25	2.00	4.00	1.00	1.00
P26	2.00	4.00	1.00	1.00
P27	2.00	4.00	1.00	1.00
P28	4.00	4.00	4.00	4.00
P29	3.00	4.00	4.00	4.00
P30	3.00	3.00	4.00	4.00
P31	3.00	4.00	4.00	4.00
P32	3.00	4.00	4.00	4.00
P33	3.00	4.00	2.00	4.00
P35	3.00	4.00	3.00	1.00
P36	2.00	4.00	1.00	4.00
P37	3.00	4.00	3.00	4.00
P39	3.00	4.00	4.00	4.00
P40	2.00	4.00	4.00	4.00
P41	2.00	4.00	4.00	4.00
P42	2.00	4.00	1.00	4.00
P45	2.00	4.00	4.00	4.00
P46	2.00	4.00	4.00	4.00
P47	2.00	3.00	1.00	3.00
P50	3.00	4.00	4.00	4.00
P51	3.00	4.00	4.00	2.00
P52	3.00	4.00	4.00	2.00
P53	3.00	4.00	2.00	2.00
P54	3.00	4.00	4.00	2.00
P55	2.00	4.00	1.00	3.00

Iteration History^a

Iteration	Change in Cluster Centers			
	1	2	3	4
1	3.976	3.469	3.712	.000
2	.000	.269	1.210	.000
3	.000	.000	.000	.000

- a. Convergence achieved due to no or small change in cluster centers. The maximum absolute coordinate change for any center is .000. The current iteration is 3. The minimum distance between initial centers is 7.937.

Final Cluster Centers

	Cluster			
	1	2	3	4
P2	3.31	3.72	4.00	1.00
P3	2.86	3.39	3.00	4.00
P4	2.69	3.17	1.75	2.00
P5	2.71	3.39	2.75	3.00
P6	3.00	3.17	3.50	4.00
P9	3.45	3.78	4.00	4.00
P10	3.43	3.72	4.00	4.00
P11	3.45	3.89	4.00	4.00
P12	3.40	3.78	3.75	4.00
P13	3.43	3.83	4.00	4.00
P14	3.05	3.72	3.75	3.00
P15	3.26	3.67	4.00	3.00
P16	3.40	3.83	4.00	4.00
P17	3.24	3.67	4.00	4.00
P18	2.74	3.17	4.00	2.00
P19	3.00	3.44	4.00	3.00
P20	2.48	3.11	2.50	3.00
P21	2.98	3.39	3.50	3.00
P22	2.86	3.50	3.75	3.00
P23	2.93	3.72	3.75	1.00
P24	2.98	3.50	2.00	2.00
P25	2.38	3.00	1.00	1.00
P26	2.43	3.00	1.00	1.00
P27	2.76	3.17	1.50	1.00
P28	3.48	3.89	4.00	4.00
P29	3.36	3.83	4.00	4.00
P30	2.98	3.56	3.75	4.00
P31	3.31	3.83	3.75	4.00
P32	3.36	3.72	4.00	4.00
P33	3.12	3.56	3.00	4.00
P35	2.88	3.33	3.25	1.00
P36	2.31	2.94	2.75	4.00
P37	3.07	3.50	3.00	4.00
P39	3.17	3.61	4.00	4.00
P40	3.38	3.67	3.75	4.00
P41	3.26	3.67	3.75	4.00
P42	3.00	3.50	2.50	4.00
P45	3.31	3.72	4.00	4.00
P46	2.98	3.61	4.00	4.00
P47	2.38	3.11	2.00	3.00
P50	3.52	3.83	3.75	4.00
P51	3.10	3.61	3.50	2.00
P52	3.19	3.56	3.75	2.00
P53	3.07	3.67	3.00	2.00
P54	3.02	3.56	3.50	2.00
P55	2.33	3.39	2.25	3.00

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P2	3.117	3	.272	61	11.463	.000
P3	1.506	3	.351	61	4.289	.008
P4	2.612	3	.430	61	6.075	.001
P5	1.949	3	.289	61	6.755	.001
P6	.649	3	.320	61	2.029	.119
P9	.756	3	.287	61	2.634	.058
P10	.722	3	.293	61	2.459	.071
P11	1.067	3	.298	61	3.581	.019
P12	.725	3	.262	61	2.766	.049
P13	1.000	3	.242	61	4.124	.010
P14	2.250	3	.267	61	8.437	.000
P15	1.222	3	.330	61	3.705	.016
P16	1.106	3	.207	61	5.349	.002
P17	1.389	3	.256	61	5.423	.002
P18	2.665	3	.305	61	8.733	.000
P19	1.780	3	.171	61	10.396	.000
P20	1.767	3	.545	61	3.241	.028
P21	.920	3	.234	61	3.939	.012
P22	2.351	3	.236	61	9.964	.000
P23	4.664	3	.379	61	12.291	.000
P24	3.128	3	.319	61	9.798	.000
P25	5.386	3	.490	61	10.986	.000
P26	5.310	3	.431	61	12.322	.000
P27	4.140	3	.412	61	10.053	.000
P28	.961	3	.201	61	4.786	.005
P29	1.337	3	.232	61	5.767	.002
P30	2.076	3	.396	61	5.240	.003
P31	1.340	3	.266	61	5.037	.003
P32	.997	3	.217	61	4.590	.006
P33	1.071	3	.211	61	5.083	.003
P35	2.282	3	.314	61	7.266	.000
P36	2.494	3	.437	61	5.705	.002
P37	1.038	3	.251	61	4.143	.010
P39	1.583	3	.166	61	9.553	.000
P40	.530	3	.306	61	1.735	.169
P41	.972	3	.309	61	3.142	.032
P42	1.838	3	.320	61	5.751	.002
P45	1.209	3	.305	61	3.969	.012
P46	2.761	3	.250	61	11.043	.000
P47	2.752	3	.454	61	6.064	.001
P50	.471	3	.225	61	2.092	.111
P51	1.722	3	.211	61	8.143	.000
P52	1.392	3	.224	61	6.211	.001
P53	2.066	3	.177	61	11.686	.000
P54	1.788	3	.171	61	10.467	.000
P55	4.926	3	.334	61	14.757	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	42.000
	2	18.000
	3	4.000
	4	1.000
Valid		65.000
Missing		.000

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Initial Cluster Centers

	Cluster				
	1	2	3	4	5
P2	4.00	4.00	3.00	4.00	1.00
P3	3.00	2.00	4.00	4.00	4.00
P4	1.00	3.00	4.00	2.00	2.00
P5	2.00	3.00	4.00	2.00	3.00
P6	3.00	4.00	3.00	3.00	4.00
P9	3.00	4.00	4.00	4.00	4.00
P10	4.00	3.00	4.00	4.00	4.00
P11	4.00	4.00	4.00	4.00	4.00
P12	3.00	4.00	3.00	4.00	4.00
P13	4.00	3.00	4.00	4.00	4.00
P14	1.00	3.00	4.00	3.00	3.00
P15	2.00	4.00	4.00	4.00	3.00
P16	3.00	4.00	4.00	4.00	4.00
P17	2.00	4.00	4.00	4.00	4.00
P18	3.00	4.00	4.00	4.00	2.00
P19	3.00	3.00	4.00	4.00	3.00
P20	1.00	3.00	2.00	1.00	3.00
P21	3.00	3.00	4.00	4.00	3.00
P22	3.00	3.00	4.00	4.00	3.00
P23	2.00	2.00	4.00	4.00	1.00
P24	2.00	3.00	3.00	1.00	2.00
P25	1.00	1.00	4.00	1.00	1.00
P26	1.00	2.00	3.00	1.00	1.00
P27	1.00	3.00	3.00	1.00	1.00
P28	3.00	4.00	4.00	4.00	4.00
P29	3.00	3.00	4.00	4.00	4.00
P30	3.00	1.00	4.00	4.00	4.00
P31	2.00	3.00	4.00	4.00	4.00
P32	4.00	4.00	4.00	4.00	4.00
P33	3.00	3.00	4.00	2.00	4.00
P35	2.00	4.00	4.00	3.00	1.00
P36	2.00	3.00	2.00	1.00	4.00
P37	3.00	4.00	4.00	3.00	4.00
P39	4.00	4.00	4.00	4.00	4.00
P40	3.00	4.00	4.00	4.00	4.00
P41	4.00	3.00	4.00	4.00	4.00
P42	2.00	3.00	4.00	1.00	4.00
P45	3.00	4.00	4.00	4.00	4.00
P46	2.00	2.00	4.00	4.00	4.00
P47	2.00	1.00	4.00	1.00	3.00
P50	4.00	4.00	4.00	4.00	4.00
P51	3.00	4.00	4.00	4.00	2.00
P52	4.00	3.00	4.00	4.00	2.00
P53	4.00	3.00	4.00	2.00	2.00
P54	2.00	3.00	4.00	4.00	2.00
P55	3.00	3.00	3.00	1.00	3.00

Iteration History^a

Iteration	Change in Cluster Centers				
	1	2	3	4	5
1	4.801	4.429	3.747	2.828	3.240
2	.448	.357	.775	.000	.000
3	.000	.137	.248	.000	.000
4	.000	.000	.000	.000	.000

- a. Convergence achieved due to no or small change in cluster centers. The maximum absolute coordinate change for any center is .000. The current iteration is 4. The minimum distance between initial centers is 7.483.

Final Cluster Centers

	Cluster				
	1	2	3	4	5
P2	3.27	3.41	3.72	4.00	1.50
P3	2.82	2.81	3.39	3.50	4.00
P4	2.64	2.66	3.22	1.50	2.00
P5	2.55	2.78	3.44	2.50	2.50
P6	2.64	3.09	3.28	3.50	3.50
P9	3.36	3.53	3.83	4.00	3.00
P10	3.36	3.53	3.72	4.00	3.00
P11	3.36	3.56	3.89	4.00	3.00
P12	3.18	3.50	3.78	4.00	3.50
P13	3.36	3.47	3.83	4.00	4.00
P14	2.73	3.22	3.72	3.50	3.00
P15	2.91	3.44	3.67	4.00	3.00
P16	3.18	3.53	3.83	4.00	3.50
P17	3.00	3.38	3.67	4.00	3.50
P18	2.36	2.91	3.28	4.00	2.00
P19	2.82	3.16	3.44	4.00	2.50
P20	1.91	2.66	3.22	1.50	3.00
P21	2.73	3.09	3.39	3.50	3.00
P22	2.73	2.97	3.50	4.00	2.50
P23	3.00	2.97	3.72	4.00	1.50
P24	2.73	3.13	3.39	1.50	2.00
P25	2.27	2.47	2.83	1.00	1.00
P26	2.00	2.59	2.89	1.00	1.00
P27	2.36	2.94	3.06	1.00	1.50
P28	3.27	3.56	3.89	4.00	4.00
P29	3.18	3.41	3.89	4.00	4.00
P30	2.82	3.03	3.56	4.00	4.00
P31	3.09	3.41	3.83	3.50	4.00
P32	3.09	3.47	3.72	4.00	4.00
P33	3.00	3.16	3.56	2.50	4.00
P35	2.45	3.06	3.39	3.00	1.50
P36	2.09	2.38	3.06	2.50	3.00
P37	2.82	3.13	3.56	2.50	4.00
P39	3.09	3.22	3.67	4.00	3.50
P40	3.00	3.56	3.72	3.50	3.00
P41	3.18	3.34	3.72	3.50	3.00
P42	2.64	3.16	3.56	1.50	3.00
P45	3.00	3.44	3.72	4.00	4.00
P46	2.73	3.06	3.67	4.00	4.00
P47	2.36	2.38	3.06	1.50	3.50
P50	3.55	3.47	3.89	4.00	4.00
P51	3.09	3.13	3.67	3.50	2.00
P52	3.27	3.22	3.61	3.50	2.00
P53	3.27	3.03	3.72	2.50	2.00
P54	3.09	3.03	3.61	3.50	2.00
P55	2.27	2.38	3.39	2.00	2.50

ANOVA

	Cluster		Error		F	Sig.
	Mean Square	df	Mean Square	df		
P2	2.482	4	.267	60	9.300	.000
P3	1.662	4	.321	60	5.171	.001
P4	2.172	4	.423	60	5.135	.001
P5	1.951	4	.261	60	7.486	.000
P6	.893	4	.298	60	2.996	.025
P9	.693	4	.284	60	2.442	.056
P10	.484	4	.302	60	1.602	.185
P11	.797	4	.303	60	2.626	.043
P12	.727	4	.254	60	2.859	.031
P13	.693	4	.250	60	2.768	.035
P14	1.813	4	.263	60	6.903	.000
P15	1.250	4	.313	60	3.993	.006
P16	.833	4	.210	60	3.967	.006
P17	.946	4	.267	60	3.548	.012
P18	2.435	4	.281	60	8.658	.000
P19	1.246	4	.180	60	6.924	.000
P20	3.704	4	.396	60	9.361	.000
P21	.834	4	.228	60	3.659	.010
P22	1.824	4	.236	60	7.734	.000
P23	3.515	4	.385	60	9.137	.000
P24	2.600	4	.308	60	8.452	.000
P25	2.853	4	.578	60	4.940	.002
P26	3.680	4	.458	60	8.029	.000
P27	3.418	4	.398	60	8.594	.000
P28	.826	4	.197	60	4.188	.005
P29	1.255	4	.219	60	5.735	.001
P30	1.838	4	.384	60	4.783	.002
P31	1.155	4	.260	60	4.433	.003
P32	.939	4	.208	60	4.513	.003
P33	1.225	4	.186	60	6.582	.000
P35	2.655	4	.256	60	10.358	.000
P36	2.075	4	.431	60	4.816	.002
P37	1.580	4	.201	60	7.846	.000
P39	.996	4	.181	60	5.493	.001
P40	1.065	4	.266	60	3.997	.006
P41	.705	4	.316	60	2.229	.076
P42	2.827	4	.228	60	12.372	.000
P45	1.182	4	.291	60	4.057	.006
P46	2.370	4	.234	60	10.118	.000
P47	2.487	4	.433	60	5.742	.001
P50	.666	4	.208	60	3.204	.019
P51	1.788	4	.182	60	9.835	.000
P52	1.354	4	.207	60	6.539	.000
P53	2.431	4	.121	60	20.084	.000
P54	1.782	4	.144	60	12.354	.000
P55	3.670	4	.341	60	10.762	.000

The F tests should be used only for descriptive purposes because the clusters have been chosen to maximize the differences among cases in different clusters. The observed significance levels are not corrected for this and thus cannot be interpreted as tests of the hypothesis that the cluster means are equal.

Number of Cases in each Cluster

Cluster	1	11.000
	2	32.000
	3	18.000
	4	2.000
	5	2.000
Valid		65.000
Missing		.000

Regresi (BPK)

Metode Enter

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.422 ^a	.178	.089	.522

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Dependent Variable: Y

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	6.552	12	.546	2.007	.030 ^a
	Residual	30.190	111	.272		
	Total	36.742	123			

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Dependent Variable: Y

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	2.041	.473		4.313	.000
X1	.101	.154	.065	.657	.512
X2	-.024	.140	-.027	-.171	.865
X3	-.326	.151	-.367	-2.157	.033
X4	.255	.147	.272	1.734	.086
X5	-.064	.098	-.066	-.652	.516
X6	-.027	.143	-.031	-.189	.851
X7	.177	.143	.211	1.235	.219
X8	.151	.138	.167	1.094	.276
X9	.025	.083	.032	.307	.760
X10	.041	.101	.046	.406	.686
X11	.213	.115	.256	1.859	.066
X12	-.099	.113	-.114	-.873	.385

a. Dependent Variable: Y

Residuals Statistics^a

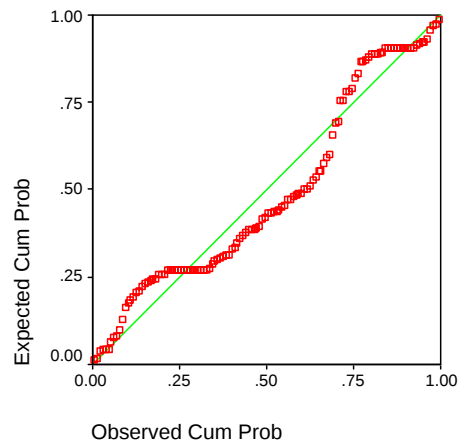
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2.64	4.06	3.24	.231	124
Std. Predicted Value	-2.596	3.558	.000	1.000	124
Standard Error of Predicted Value	.066	.301	.157	.062	124
Adjusted Predicted Value	2.28	4.09	3.24	.261	124
Residual	-1.14	1.15	.00	.495	124
Std. Residual	-2.186	2.198	.000	.950	124
Stud. Residual	-2.407	2.690	.000	1.016	124
Deleted Residual	-1.38	1.72	.00	.571	124
Stud. Deleted Residual	-2.462	2.769	.001	1.024	124
Mahal. Distance	.992	39.893	11.903	9.468	124
Cook's Distance	.000	.277	.013	.030	124
Centered Leverage Value	.008	.324	.097	.077	124

a. Dependent Variable: Y

Charts

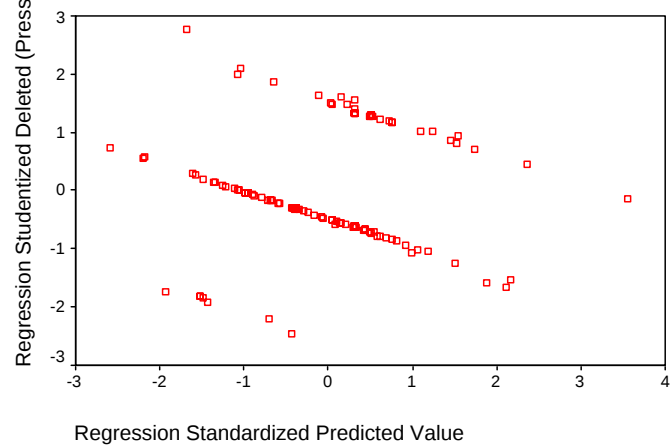
Normal P-P Plot of Regression Stand

Dependent Variable: Y



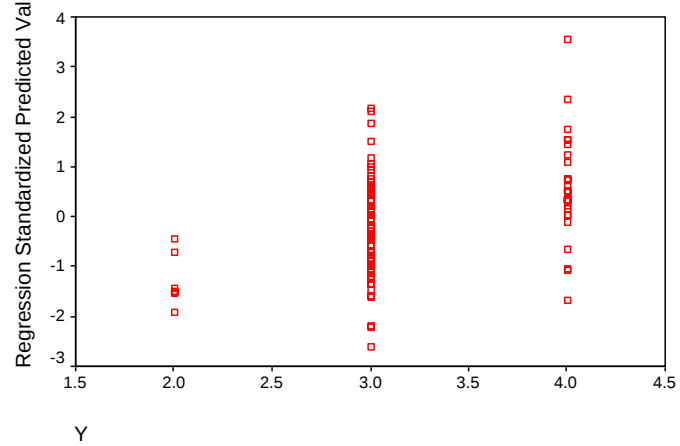
Scatterplot

Dependent Variable: Y



Scatterplot

Dependent Variable: Y



Metode Stepwise

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	X8	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	X11	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

a. Dependent Variable: Y

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.293 ^a	.086	.079	.525
2	.342 ^b	.117	.102	.518

a. Predictors: (Constant), X8

b. Predictors: (Constant), X8, X11

c. Dependent Variable: Y

ANOVA^c

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.163	1	3.163	11.493	.001 ^a
	Residual	33.579	122	.275		
	Total	36.742	123			
2	Regression	4.297	2	2.148	8.012	.001 ^b
	Residual	32.445	121	.268		
	Total	36.742	123			

a. Predictors: (Constant), X8

b. Predictors: (Constant), X8, X11

c. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.540	.212		11.965	.000
	X8	.266	.078	.293	3.390	.001
2	(Constant)	2.222	.261		8.528	.000
	X8	.228	.080	.252	2.870	.005
	X11	.150	.073	.180	2.056	.042

a. Dependent Variable: Y

Excluded Variables^c

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	X1	.123 ^a	1.388	.168	.125	.953
	X2	.032 ^a	.326	.745	.030	.795
	X3	-.081 ^a	-.758	.450	-.069	.659
	X4	.084 ^a	.686	.494	.062	.505
	X5	.016 ^a	.177	.860	.016	.918
	X6	.123 ^a	1.156	.250	.105	.656
	X7	.116 ^a	.902	.369	.082	.453
	X9	.098 ^a	1.114	.267	.101	.971
	X10	.121 ^a	1.398	.165	.126	.992
	X11	.180 ^a	2.056	.042	.184	.947
	X12	.057 ^a	.616	.539	.056	.879
2	X1	.068 ^b	.727	.469	.066	.836
	X2	-.073 ^b	-.674	.502	-.061	.631
	X3	-.167 ^b	-1.510	.134	-.137	.592
	X4	.051 ^b	.420	.675	.038	.496
	X5	-.021 ^b	-.229	.819	-.021	.883
	X6	.027 ^b	.225	.823	.021	.510
	X7	.040 ^b	.303	.763	.028	.411
	X9	.050 ^b	.544	.587	.050	.887
	X10	.044 ^b	.439	.661	.040	.743
	X12	-.100 ^b	-.855	.394	-.078	.532

a. Predictors in the Model: (Constant), X8

b. Predictors in the Model: (Constant), X8, X11

c. Dependent Variable: Y

Residuals Statistics^a

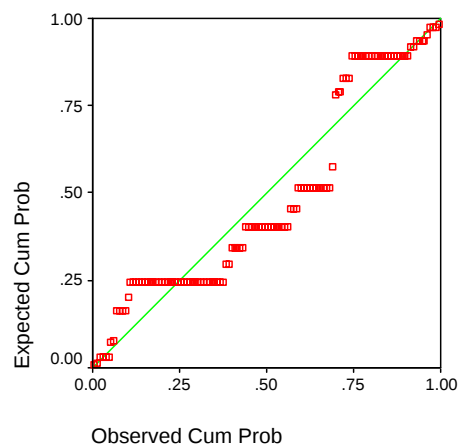
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2.60	3.74	3.24	.187	124
Std. Predicted Value	-3.432	2.644	.000	1.000	124
Standard Error of Predicted Value	.055	.168	.076	.026	124
Adjusted Predicted Value	2.55	3.79	3.24	.190	124
Residual	-1.21	1.10	.00	.514	124
Std. Residual	-2.332	2.123	.000	.992	124
Stud. Residual	-2.363	2.209	.000	1.005	124
Deleted Residual	-1.24	1.19	.00	.527	124
Stud. Deleted Residual	-2.409	2.245	.001	1.011	124
Mahal. Distance	.402	11.980	1.984	2.313	124
Cook's Distance	.000	.134	.009	.016	124
Centered Leverage Value	.003	.097	.016	.019	124

a. Dependent Variable: Y

Charts

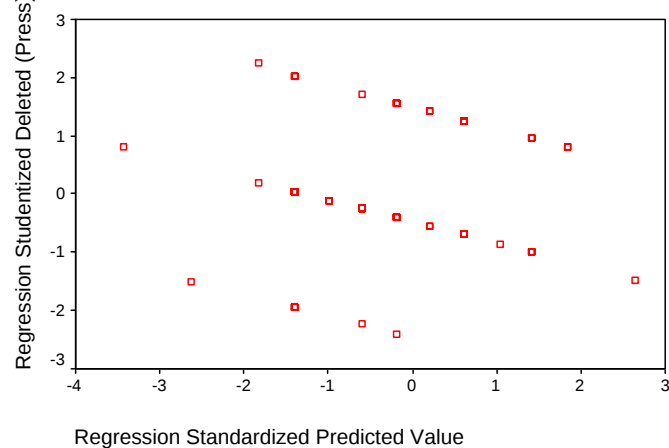
Normal P-P Plot of Regression Stand

Dependent Variable: Y

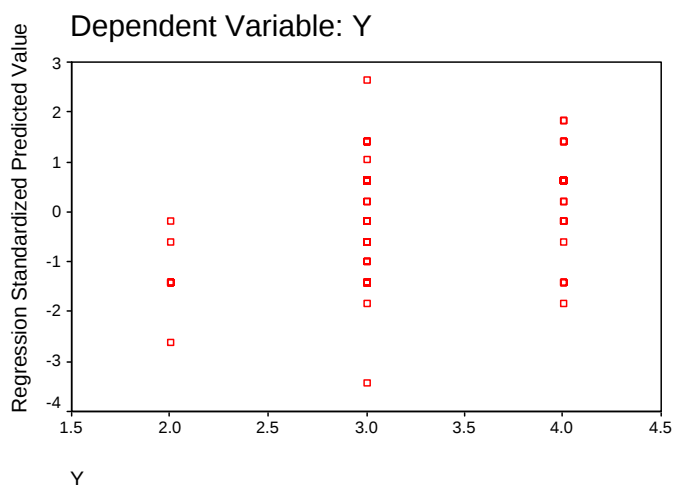


Scatterplot

Dependent Variable: Y



Scatterplot



Metode Remove

Warnings

Invalid REGRESSION METHOD subcommand specification--REMOVE cannot be used as the first method when building an equation. REGRESSION has inserted ENTER as the first method; REMOVE is now the second method.

Variables Entered/Removed^c

Model	Variables Entered	Variables Removed	Method
1	X12, X9, X1, X8, X5, X10, X2, X3, X11, ^a X6, X4, X7	.	Enter
2	^a .	X7, X4, X2, X11, X8, X12, X6, X10, X5, ^b X1, X9, X3	Remove

a. All requested variables entered.

b. All requested variables removed.

c. Dependent Variable: Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.422 ^a	.178	.089	.522
2	.000 ^b	.000	.000	.547

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Predictor: (constant)

ANOVA^c

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	6.552	12	.546	2.007	.030 ^a
	Residual	30.190	111	.272		
	Total	36.742	123			
2	Regression	.000	0	.000	.	. ^b
	Residual	36.742	123	.299		
	Total	36.742	123			

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Predictor: (constant)

c. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.041	.473		4.313	.000
	X1	.101	.154	.065	.657	.512
	X2	-.024	.140	-.027	-.171	.865
	X3	-.326	.151	-.367	-2.157	.033
	X4	.255	.147	.272	1.734	.086
	X5	-.064	.098	-.066	-.652	.516
	X6	-.027	.143	-.031	-.189	.851
	X7	.177	.143	.211	1.235	.219
	X8	.151	.138	.167	1.094	.276
	X9	.025	.083	.032	.307	.760
	X10	.041	.101	.046	.406	.686
	X11	.213	.115	.256	1.859	.066
	X12	-.099	.113	-.114	-.873	.385
2	(Constant)	3.242	.049		66.052	.000

a. Dependent Variable: Y

Excluded Variables^b

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
2	X1	.181 ^a	2.030	.045	.181	1.000
	X2	.158 ^a	1.768	.080	.158	1.000
	X3	.118 ^a	1.313	.192	.118	1.000
	X4	.249 ^a	2.837	.005	.249	1.000
	X5	.099 ^a	1.093	.276	.099	1.000
	X6	.253 ^a	2.888	.005	.253	1.000
	X7	.270 ^a	3.092	.002	.270	1.000
	X8	.293 ^a	3.390	.001	.293	1.000
	X9	.145 ^a	1.614	.109	.145	1.000
	X10	.146 ^a	1.629	.106	.146	1.000
	X11	.238 ^a	2.711	.008	.238	1.000
	X12	.152 ^a	1.701	.091	.152	1.000

a. Predictor: (constant)

b. Dependent Variable: Y

Metode Backward

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	X12, X9, X1, X8, X5, X10, X2, X3, X11, ^a X6, X4, X7	.	Enter
2	.	X2	Backward (criterion: Probability of F-to-remove >= .100).
3	.	X9	Backward (criterion: Probability of F-to-remove >= .100).
4	.	X6	Backward (criterion: Probability of F-to-remove >= .100).
5	.	X10	Backward (criterion: Probability of F-to-remove >= .100).
6	.	X5	Backward (criterion: Probability of F-to-remove >= .100).
7	.	X1	Backward (criterion: Probability of F-to-remove >= .100).
8	.	X12	Backward (criterion: Probability of F-to-remove >= .100).
9	.	X8	Backward (criterion: Probability of F-to-remove >= .100).

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary^j

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.422 ^a	.178	.089	.522
2	.422 ^b	.178	.097	.519
3	.421 ^c	.178	.105	.517
4	.420 ^d	.177	.112	.515
5	.418 ^e	.175	.117	.514
6	.415 ^f	.173	.123	.512
7	.412 ^g	.170	.127	.511
8	.405 ^h	.164	.129	.510
9	.396 ⁱ	.157	.129	.510

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X3, X11, X6, X4, X7

c. Predictors: (Constant), X12, X1, X8, X5, X10, X3, X11, X6, X4, X7

d. Predictors: (Constant), X12, X1, X8, X5, X10, X3, X11, X4, X7

e. Predictors: (Constant), X12, X1, X8, X5, X3, X11, X4, X7

f. Predictors: (Constant), X12, X1, X8, X3, X11, X4, X7

g. Predictors: (Constant), X12, X8, X3, X11, X4, X7

h. Predictors: (Constant), X8, X3, X11, X4, X7

i. Predictors: (Constant), X3, X11, X4, X7

j. Dependent Variable: Y

ANOVA^j

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	6.552	12	.546	2.007	.030 ^a
	Residual	30.190	111	.272		
	Total	36.742	123			
2	Regression	6.544	11	.595	2.206	.019 ^b
	Residual	30.198	112	.270		
	Total	36.742	123			
3	Regression	6.523	10	.652	2.439	.011 ^c
	Residual	30.219	113	.267		
	Total	36.742	123			
4	Regression	6.489	9	.721	2.717	.007 ^d
	Residual	30.253	114	.265		
	Total	36.742	123			
5	Regression	6.417	8	.802	3.042	.004 ^e
	Residual	30.325	115	.264		
	Total	36.742	123			
6	Regression	6.341	7	.906	3.456	.002 ^f
	Residual	30.401	116	.262		
	Total	36.742	123			
7	Regression	6.244	6	1.041	3.993	.001 ^g
	Residual	30.498	117	.261		
	Total	36.742	123			
8	Regression	6.024	5	1.205	4.628	.001 ^h
	Residual	30.718	118	.260		
	Total	36.742	123			
9	Regression	5.767	4	1.442	5.539	.000 ⁱ
	Residual	30.975	119	.260		
	Total	36.742	123			

a. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X2, X3, X11, X6, X4, X7

b. Predictors: (Constant), X12, X9, X1, X8, X5, X10, X3, X11, X6, X4, X7

c. Predictors: (Constant), X12, X1, X8, X5, X10, X3, X11, X6, X4, X7

d. Predictors: (Constant), X12, X1, X8, X5, X10, X3, X11, X4, X7

e. Predictors: (Constant), X12, X1, X8, X5, X3, X11, X4, X7

f. Predictors: (Constant), X12, X1, X8, X3, X11, X4, X7

g. Predictors: (Constant), X12, X8, X3, X11, X4, X7

h. Predictors: (Constant), X8, X3, X11, X4, X7

i. Predictors: (Constant), X3, X11, X4, X7

j. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.041	.473		4.313	.000
	X1	.101	.154	.065	.657	.512
	X2	-.024	.140	-.027	-.171	.865
	X3	-.326	.151	-.367	-2.157	.033
	X4	.255	.147	.272	1.734	.086
	X5	-.064	.098	-.066	-.652	.516
	X6	-.027	.143	-.031	-.189	.851
	X7	.177	.143	.211	1.235	.219
	X8	.151	.138	.167	1.094	.276
	X9	.025	.083	.032	.307	.760
	X10	.041	.101	.046	.406	.686
	X11	.213	.115	.256	1.859	.066
	X12	-.099	.113	-.114	-.873	.385
2	(Constant)	2.049	.469		4.368	.000
	X1	.099	.153	.063	.648	.518
	X3	-.336	.138	-.379	-2.443	.016
	X4	.253	.146	.270	1.734	.086
	X5	-.065	.098	-.067	-.664	.508
	X6	-.041	.114	-.048	-.363	.718
	X7	.183	.139	.218	1.313	.192
	X8	.154	.136	.170	1.133	.260
	X9	.022	.080	.027	.275	.784
	X10	.042	.100	.048	.423	.673
	X11	.214	.114	.258	1.877	.063
	X12	-.103	.111	-.119	-.928	.355
3	(Constant)	2.067	.463		4.468	.000
	X1	.100	.152	.064	.659	.511
	X3	-.337	.137	-.379	-2.456	.016
	X4	.252	.146	.269	1.734	.086
	X5	-.061	.096	-.062	-.631	.530
	X6	-.041	.114	-.047	-.360	.719
	X7	.186	.138	.222	1.345	.181
	X8	.156	.135	.172	1.148	.253
	X10	.050	.096	.056	.515	.607
	X11	.219	.112	.264	1.955	.053
	X12	-.108	.108	-.125	-1.000	.320
4	(Constant)	2.073	.461		4.500	.000
	X1	.099	.152	.063	.655	.514
	X3	-.329	.135	-.370	-2.439	.016
	X4	.246	.144	.262	1.709	.090
	X5	-.064	.095	-.066	-.674	.501
	X7	.167	.127	.199	1.311	.192
	X8	.149	.134	.164	1.113	.268
	X10	.050	.096	.056	.520	.604
	X11	.205	.105	.247	1.960	.052
	X12	-.105	.108	-.122	-.977	.330
5	(Constant)	2.124	.449		4.732	.000
	X1	.102	.151	.065	.678	.499
	X3	-.336	.134	-.378	-2.514	.013
	X4	.242	.143	.258	1.691	.094
	X5	-.048	.090	-.050	-.538	.591
	X7	.171	.126	.204	1.353	.179
	X8	.144	.133	.159	1.082	.281
	X11	.220	.100	.265	2.192	.030
	X12	-.093	.105	-.108	-.890	.375
6	(Constant)	2.050	.426		4.812	.000
	X1	.090	.149	.058	.606	.546
	X3	-.332	.133	-.374	-2.495	.014
	X4	.248	.142	.264	1.738	.085
	X7	.165	.126	.197	1.314	.191
	X8	.132	.131	.145	1.009	.315
	X11	.211	.099	.254	2.140	.034
	X12	-.089	.104	-.102	-.850	.397
7	(Constant)	2.247	.274		8.195	.000
	X3	-.330	.133	-.372	-2.489	.014
	X4	.260	.141	.277	1.846	.067
	X7	.172	.125	.205	1.380	.170
	X8	.126	.130	.139	.970	.334
	X11	.229	.094	.275	2.430	.017
	X12	-.095	.103	-.110	-.919	.360
8	(Constant)	2.210	.271		8.153	.000
	X3	-.335	.132	-.377	-2.530	.013
	X4	.246	.140	.263	1.763	.080
	X7	.155	.123	.185	1.261	.210
	X8	.129	.130	.142	.994	.322
	X11	.179	.077	.216	2.323	.022
9	(Constant)	2.268	.265		8.562	.000
	X3	-.356	.131	-.401	-2.721	.007
	X4	.311	.124	.331	2.509	.013
	X7	.223	.103	.266	2.170	.032
	X11	.175	.077	.210	2.267	.025

a. Dependent Variable: Y

Excluded Variablesⁱ

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
2	X2	-.027 ^a	-.171	.865	-.016	.299
3	X2	-.015 ^b	-.100	.921	-.009	.318
	X9	.027 ^b	.275	.784	.026	.736
4	X2	-.036 ^c	-.292	.771	-.027	.483
	X9	.027 ^c	.270	.787	.025	.736
	X6	-.047 ^c	-.360	.719	-.034	.422
5	X2	-.037 ^d	-.302	.763	-.028	.483
	X9	.038 ^d	.398	.691	.037	.791
	X6	-.048 ^d	-.364	.716	-.034	.422
	X10	.056 ^d	.520	.604	.049	.625
6	X2	-.045 ^e	-.372	.710	-.035	.492
	X9	.023 ^e	.252	.801	.024	.843
	X6	-.055 ^e	-.422	.674	-.039	.427
	X10	.033 ^e	.322	.748	.030	.695
	X5	-.050 ^e	-.538	.591	-.050	.839
7	X2	-.037 ^f	-.311	.756	-.029	.497
	X9	.027 ^f	.297	.767	.028	.848
	X6	-.052 ^f	-.402	.688	-.037	.427
	X10	.038 ^f	.373	.710	.035	.701
	X5	-.040 ^f	-.443	.659	-.041	.858
	X1	.058 ^f	.606	.546	.056	.790
8	X2	-.043 ^g	-.359	.720	-.033	.498
	X9	.039 ^g	.434	.665	.040	.868
	X6	-.040 ^g	-.313	.755	-.029	.431
	X10	.021 ^g	.213	.832	.020	.721
	X5	-.032 ^g	-.350	.727	-.032	.867
	X1	.066 ^g	.697	.487	.064	.798
	X12	-.110 ^g	-.919	.360	-.085	.497
9	X2	-.043 ^h	-.363	.717	-.033	.498
	X9	.044 ^h	.490	.625	.045	.871
	X6	-.019 ^h	-.150	.881	-.014	.443
	X10	.019 ^h	.189	.850	.017	.722
	X5	-.017 ^h	-.189	.850	-.017	.889
	X1	.059 ^h	.627	.532	.058	.802
	X12	-.113 ^h	-.944	.347	-.087	.497
	X8	.142 ^h	.994	.322	.091	.346

a. Predictors in the Model: (Constant), X12, X9, X1, X8, X5, X10, X3, X11, X6, X4, X7

b. Predictors in the Model: (Constant), X12, X1, X8, X5, X10, X3, X11, X6, X4, X7

c. Predictors in the Model: (Constant), X12, X1, X8, X5, X10, X3, X11, X4, X7

d. Predictors in the Model: (Constant), X12, X1, X8, X5, X3, X11, X4, X7

e. Predictors in the Model: (Constant), X12, X1, X8, X3, X11, X4, X7

f. Predictors in the Model: (Constant), X12, X8, X3, X11, X4, X7

g. Predictors in the Model: (Constant), X8, X3, X11, X4, X7

h. Predictors in the Model: (Constant), X3, X11, X4, X7

i. Dependent Variable: Y

Residuals Statistics^a

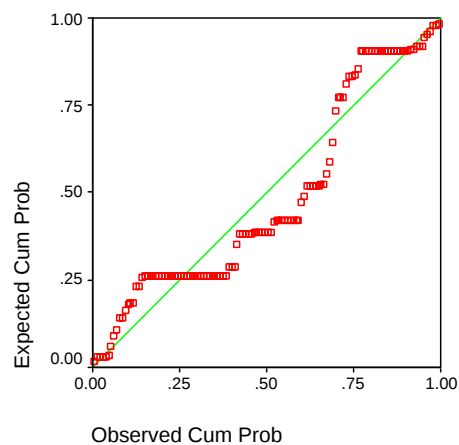
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2.62	4.04	3.24	.217	124
Std. Predicted Value	-2.882	3.663	.000	1.000	124
Standard Error of Predicted Value	.056	.233	.095	.039	124
Adjusted Predicted Value	2.57	4.04	3.24	.222	124
Residual	-1.10	1.07	.00	.502	124
Std. Residual	-2.163	2.106	.000	.984	124
Stud. Residual	-2.208	2.188	-.001	1.003	124
Deleted Residual	-1.15	1.16	.00	.522	124
Stud. Deleted Residual	-2.245	2.224	.000	1.009	124
Mahal. Distance	.471	24.558	3.968	4.139	124
Cook's Distance	.000	.076	.008	.013	124
Centered Leverage Value	.004	.200	.032	.034	124

a. Dependent Variable: Y

Charts

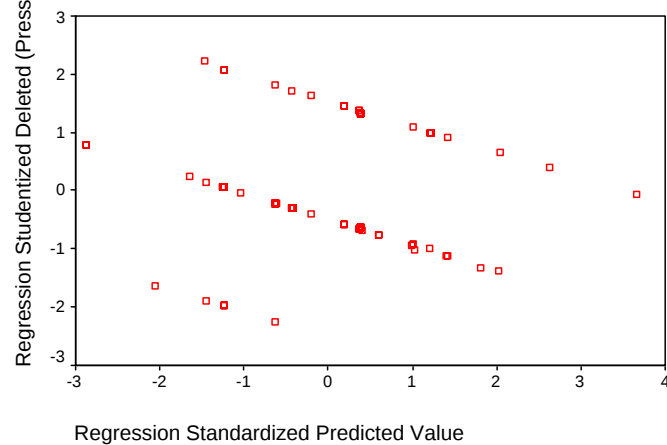
Normal P-P Plot of Regression Stand

Dependent Variable: Y



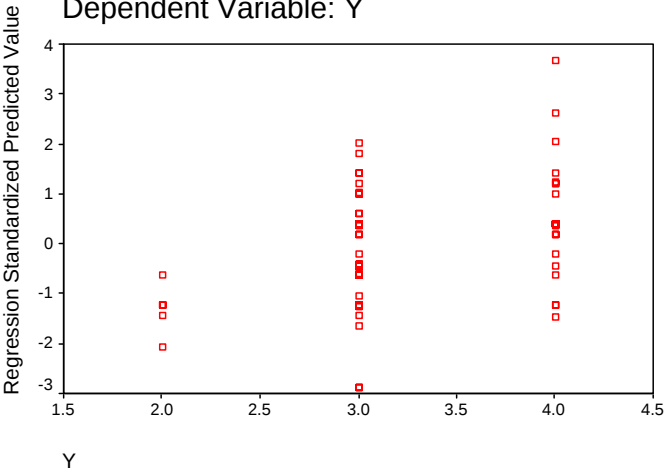
Scatterplot

Dependent Variable: Y



Scatterplot

Dependent Variable: Y



Metode Forward

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	X8	.	Forward (Criterion: Probability-of-F-to-enter <= .050)
2	X11	.	Forward (Criterion: Probability-of-F-to-enter <= .050)

a. Dependent Variable: Y

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.293 ^a	.086	.079	.525
2	.342 ^b	.117	.102	.518

a. Predictors: (Constant), X8

b. Predictors: (Constant), X8, X11

c. Dependent Variable: Y

ANOVA^c

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.163	1	3.163	11.493	.001 ^a
	Residual	33.579	122	.275		
	Total	36.742	123			
2	Regression	4.297	2	2.148	8.012	.001 ^b
	Residual	32.445	121	.268		
	Total	36.742	123			

a. Predictors: (Constant), X8

b. Predictors: (Constant), X8, X11

c. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.540	.212		11.965	.000
	X8	.266	.078	.293	3.390	.001
2	(Constant)	2.222	.261		8.528	.000
	X8	.228	.080	.252	2.870	.005
	X11	.150	.073	.180	2.056	.042

a. Dependent Variable: Y

Excluded Variables^c

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	X1	.123 ^a	1.388	.168	.125	.953
	X2	.032 ^a	.326	.745	.030	.795
	X3	-.081 ^a	-.758	.450	-.069	.659
	X4	.084 ^a	.686	.494	.062	.505
	X5	.016 ^a	.177	.860	.016	.918
	X6	.123 ^a	1.156	.250	.105	.656
	X7	.116 ^a	.902	.369	.082	.453
	X9	.098 ^a	1.114	.267	.101	.971
	X10	.121 ^a	1.398	.165	.126	.992
	X11	.180 ^a	2.056	.042	.184	.947
	X12	.057 ^a	.616	.539	.056	.879
2	X1	.068 ^b	.727	.469	.066	.836
	X2	-.073 ^b	-.674	.502	-.061	.631
	X3	-.167 ^b	-1.510	.134	-.137	.592
	X4	.051 ^b	.420	.675	.038	.496
	X5	-.021 ^b	-.229	.819	-.021	.883
	X6	.027 ^b	.225	.823	.021	.510
	X7	.040 ^b	.303	.763	.028	.411
	X9	.050 ^b	.544	.587	.050	.887
	X10	.044 ^b	.439	.661	.040	.743
	X12	-.100 ^b	-.855	.394	-.078	.532

a. Predictors in the Model: (Constant), X8

b. Predictors in the Model: (Constant), X8, X11

c. Dependent Variable: Y

Residuals Statistics^a

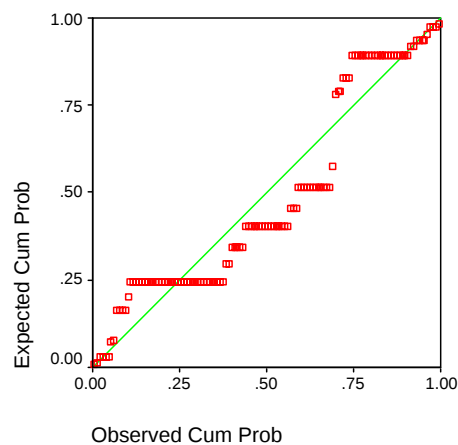
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2.60	3.74	3.24	.187	124
Std. Predicted Value	-3.432	2.644	.000	1.000	124
Standard Error of Predicted Value	.055	.168	.076	.026	124
Adjusted Predicted Value	2.55	3.79	3.24	.190	124
Residual	-1.21	1.10	.00	.514	124
Std. Residual	-2.332	2.123	.000	.992	124
Stud. Residual	-2.363	2.209	.000	1.005	124
Deleted Residual	-1.24	1.19	.00	.527	124
Stud. Deleted Residual	-2.409	2.245	.001	1.011	124
Mahal. Distance	.402	11.980	1.984	2.313	124
Cook's Distance	.000	.134	.009	.016	124
Centered Leverage Value	.003	.097	.016	.019	124

a. Dependent Variable: Y

Charts

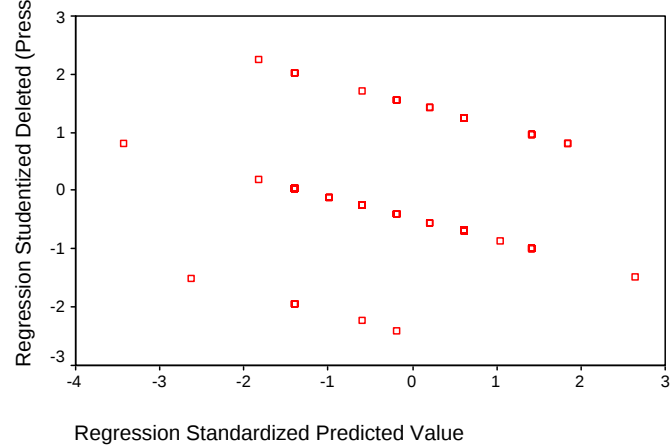
Normal P-P Plot of Regression Stand

Dependent Variable: Y



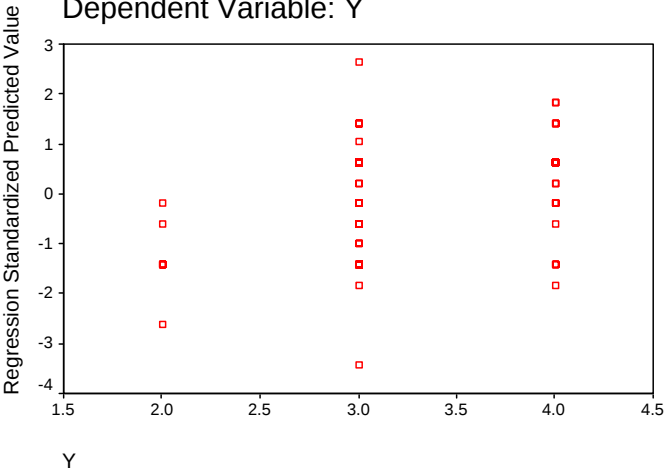
Scatterplot

Dependent Variable: Y



Scatterplot

Dependent Variable: Y



Regresi (Aloysius)

Metode Enter

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	X12, X1, X4, X11, X2, X7, X8, X3, X5, ^a X10, X6	.	Enter

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.850 ^a	.723	.578	.380

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Dependent Variable: Y

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7.930	11	.721	4.980	.001 ^a
	Residual	3.040	21	.145		
	Total	10.970	32			

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.614	.666		-.923	.366
	X1	1.279	.408	.840	3.132	.005
	X2	.422	.260	.443	1.624	.119
	X3	.069	.270	.062	.255	.801
	X4	-.240	.228	-.214	-1.055	.304
	X5	-.049	.198	-.060	-.246	.808
	X6	-.316	.267	-.334	-1.185	.249
	X7	-.031	.313	-.025	-.100	.922
	X8	.170	.204	.189	.835	.413
	X10	-.049	.277	-.049	-.178	.860
	X11	-.028	.220	-.036	-.127	.900
	X12	.017	.204	.017	.081	.936

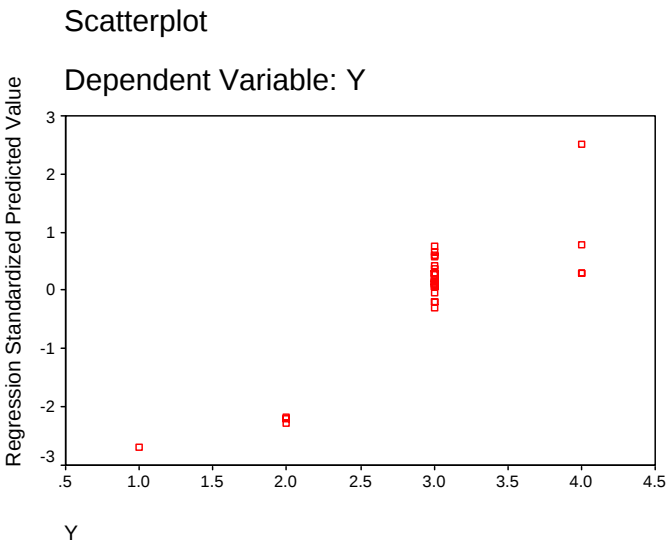
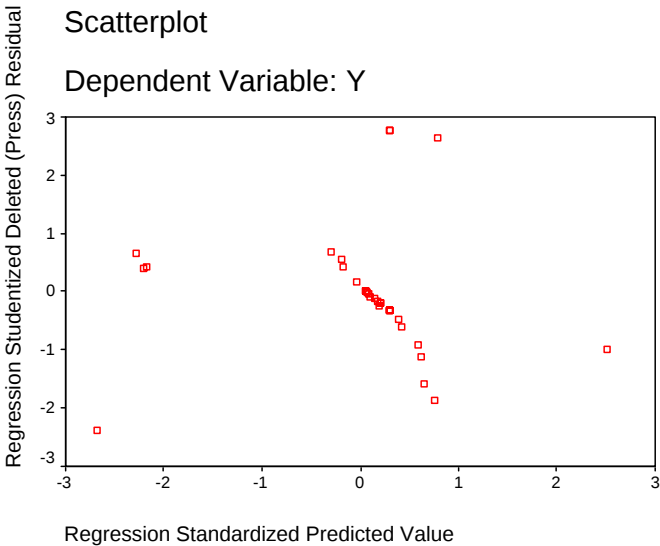
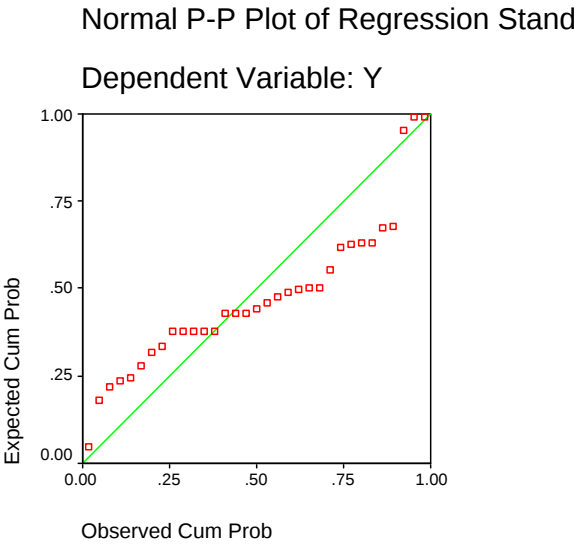
a. Dependent Variable: Y

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	1.63	4.22	2.97	.498	33
Std. Predicted Value	-2.684	2.515	.000	1.000	33
Standard Error of Predicted Value	.108	.328	.219	.071	33
Adjusted Predicted Value	1.61	4.64	3.03	.632	33
Residual	-.63	.88	.00	.308	33
Std. Residual	-1.665	2.319	.000	.810	33
Stud. Residual	-2.146	2.419	-.050	1.020	33
Deleted Residual	-1.30	1.23	-.06	.538	33
Stud. Deleted Residual	-2.370	2.780	-.030	1.120	33
Mahal. Distance	1.617	22.842	10.667	6.532	33
Cook's Distance	.000	.711	.079	.169	33
Centered Leverage Value	.051	.714	.333	.204	33

a. Dependent Variable: Y

Charts



Metode Stepwise

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	X1	.	Stepwise (Criteria: Probability-of-F-to-enter ≤ .050, Probability-of-F-to-remove ≥ .100).

a. Dependent Variable: Y

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.821 ^a	.673	.663	.340

a. Predictors: (Constant), X1

b. Dependent Variable: Y

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7.386	1	7.386	63.901	.000 ^a
	Residual	3.583	31	.116		
	Total	10.970	32			

a. Predictors: (Constant), X1

b. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.667	.459		-1.453	.156
	X1	1.250	.156	.821	7.994	.000

a. Dependent Variable: Y

Excluded Variables^b

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	X2	.105 ^a	.890	.381	.160	.756
	X3	.035 ^a	.327	.746	.060	.972
	X4	-.062 ^a	-.544	.591	-.099	.820
	X5	.037 ^a	.250	.804	.046	.502
	X6	.018 ^a	.155	.878	.028	.794
	X7	.011 ^a	.098	.923	.018	.867
	X8	.035 ^a	.295	.770	.054	.793
	X10	-.011 ^a	-.088	.930	-.016	.677
	X11	-.044 ^a	-.376	.709	-.069	.801
	X12	.031 ^a	.289	.775	.053	.941

a. Predictors in the Model: (Constant), X1

b. Dependent Variable: Y

Residuals Statistics^a

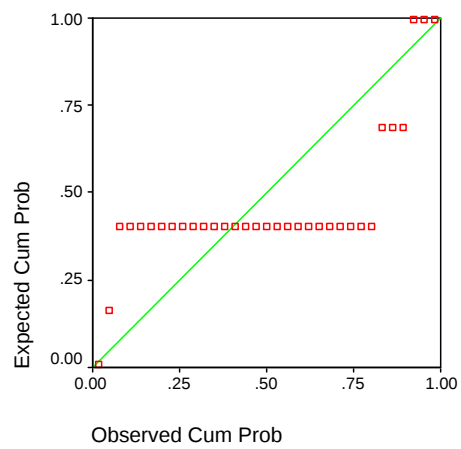
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	1.83	4.33	2.97	.480	33
Std. Predicted Value	-2.365	2.838	.000	1.000	33
Standard Error of Predicted Value	.061	.181	.076	.036	33
Adjusted Predicted Value	1.79	4.46	2.98	.488	33
Residual	-.83	.92	.00	.335	33
Std. Residual	-2.451	2.696	.000	.984	33
Stud. Residual	-2.749	2.740	-.008	1.029	33
Deleted Residual	-1.05	.95	-.01	.367	33
Stud. Deleted Residual	-3.110	3.097	.016	1.148	33
Mahal. Distance	.056	8.056	.970	2.230	33
Cook's Distance	.001	.975	.053	.175	33
Centered Leverage Value	.002	.252	.030	.070	33

a. Dependent Variable: Y

Charts

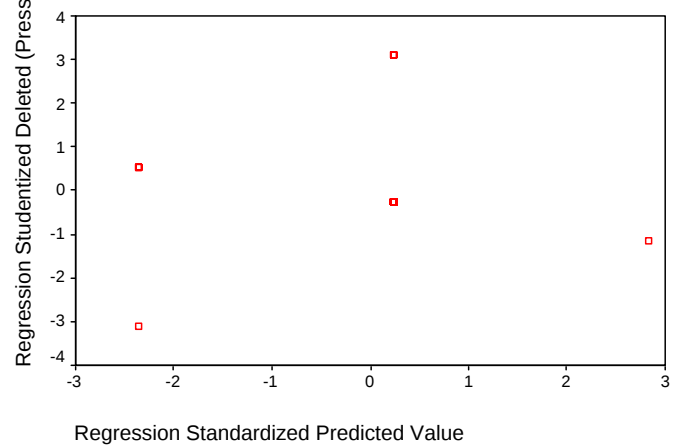
Normal P-P Plot of Regression Stand

Dependent Variable: Y



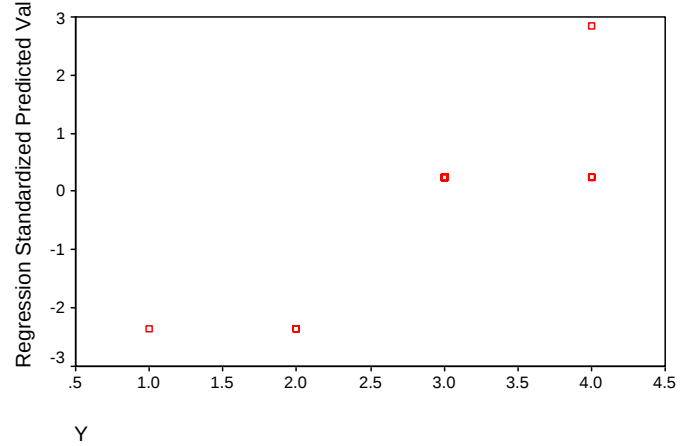
Scatterplot

Dependent Variable: Y



Scatterplot

Dependent Variable: Y



Metode Remove

Warnings

Invalid REGRESSION METHOD subcommand specification--REMOVE cannot be used as the first method when building an equation. REGRESSION has inserted ENTER as the first method; REMOVE is now the second method.

Variables Entered/Removed^f

Model	Variables Entered	Variables Removed	Method
1	X12, X1, X4, X11, X2, X7, X8, X3, X5, ^a X10, X6	.	Enter
2	^a .	X11, X6, X1, X3, X8, X7, X2, X5, X12, ^b X4, X10	Remove

a. All requested variables entered.

b. All requested variables removed.

c. Dependent Variable: Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.850 ^a	.723	.578	.380
2	.000 ^b	.000	.000	.585

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Predictor: (constant)

ANOVA^c

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7.930	11	.721	4.980	.001 ^a
	Residual	3.040	21	.145		
	Total	10.970	32			
2	Regression	.000	0	.000	.	. ^b
	Residual	10.970	32	.343		
	Total	10.970	32			

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Predictor: (constant)

c. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.614	.666		-.923	.366
	X1	1.279	.408	.840	3.132	.005
	X2	.422	.260	.443	1.624	.119
	X3	.069	.270	.062	.255	.801
	X4	-.240	.228	-.214	-1.055	.304
	X5	-.049	.198	-.060	-.246	.808
	X6	-.316	.267	-.334	-1.185	.249
	X7	-.031	.313	-.025	-.100	.922
	X8	.170	.204	.189	.835	.413
	X10	-.049	.277	-.049	-.178	.860
	X11	-.028	.220	-.036	-.127	.900
	X12	.017	.204	.017	.081	.936
2	(Constant)	2.970	.102		29.137	.000

a. Dependent Variable: Y

Excluded Variables^b

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
2	X1	.821 ^a	7.994	.000	.821	1.000
	X2	.485 ^a	3.086	.004	.485	1.000
	X3	.171 ^a	.967	.341	.171	1.000
	X4	.297 ^a	1.734	.093	.297	1.000
	X5	.597 ^a	4.146	.000	.597	1.000
	X6	.387 ^a	2.337	.026	.387	1.000
	X7	.308 ^a	1.805	.081	.308	1.000
	X8	.401 ^a	2.435	.021	.401	1.000
	X10	.459 ^a	2.873	.007	.459	1.000
	X11	.331 ^a	1.956	.060	.331	1.000
	X12	.228 ^a	1.306	.201	.228	1.000

a. Predictor: (constant)

b. Dependent Variable: Y

Metode Backward

Variables Entered/Removed ^b			
Model	Variables Entered	Variables Removed	Method
1	X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6 ^a		Enter
2		X12	Backward (criterion: Probability of F-to-remove >= .100).
3		X7	Backward (criterion: Probability of F-to-remove >= .100).
4		X11	Backward (criterion: Probability of F-to-remove >= .100).
5		X5	Backward (criterion: Probability of F-to-remove >= .100).
6		X10	Backward (criterion: Probability of F-to-remove >= .100).
7		X3	Backward (criterion: Probability of F-to-remove >= .100).
8		X8	Backward (criterion: Probability of F-to-remove >= .100).
9		X4	Backward (criterion: Probability of F-to-remove >= .100).
10		X6	Backward (criterion: Probability of F-to-remove >= .100).
11		X2	Backward (criterion: Probability of F-to-remove >= .100).

a. All requested variables entered.

b. Dependent Variable: Y

Model Summary^l

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.850 ^a	.723	.578	.380
2	.850 ^b	.723	.597	.372
3	.850 ^c	.723	.614	.364
4	.850 ^d	.722	.630	.356
5	.850 ^e	.722	.644	.349
6	.849 ^f	.721	.656	.343
7	.847 ^g	.717	.665	.339
8	.838 ^h	.702	.659	.342
9	.834 ⁱ	.696	.665	.339
10	.826 ^j	.682	.661	.341
11	.821 ^k	.673	.663	.340

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Predictors: (Constant), X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

c. Predictors: (Constant), X1, X4, X11, X2, X8, X3, X5, X10, X6

d. Predictors: (Constant), X1, X4, X2, X8, X3, X5, X10, X6

e. Predictors: (Constant), X1, X4, X2, X8, X3, X10, X6

f. Predictors: (Constant), X1, X4, X2, X8, X3, X6

g. Predictors: (Constant), X1, X4, X2, X8, X6

h. Predictors: (Constant), X1, X4, X2, X6

i. Predictors: (Constant), X1, X2, X6

j. Predictors: (Constant), X1, X2

k. Predictors: (Constant), X1

l. Dependent Variable: Y

ANOVA^l

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7.930	11	.721	4.980	.001 ^a
	Residual	3.040	21	.145		
	Total	10.970	32			
2	Regression	7.929	10	.793	5.736	.000 ^b
	Residual	3.041	22	.138		
	Total	10.970	32			
3	Regression	7.927	9	.881	6.658	.000 ^c
	Residual	3.043	23	.132		
	Total	10.970	32			
4	Regression	7.925	8	.991	7.809	.000 ^d
	Residual	3.045	24	.127		
	Total	10.970	32			
5	Regression	7.921	7	1.132	9.277	.000 ^e
	Residual	3.049	25	.122		
	Total	10.970	32			
6	Regression	7.904	6	1.317	11.174	.000 ^f
	Residual	3.065	26	.118		
	Total	10.970	32			
7	Regression	7.869	5	1.574	13.706	.000 ^g
	Residual	3.100	27	.115		
	Total	10.970	32			
8	Regression	7.698	4	1.925	16.473	.000 ^h
	Residual	3.271	28	.117		
	Total	10.970	32			
9	Regression	7.639	3	2.546	22.166	.000 ⁱ
	Residual	3.331	29	.115		
	Total	10.970	32			
10	Regression	7.478	2	3.739	32.131	.000 ^j
	Residual	3.491	30	.116		
	Total	10.970	32			
11	Regression	7.386	1	7.386	63.901	.000 ^k
	Residual	3.583	31	.116		
	Total	10.970	32			

a. Predictors: (Constant), X12, X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Predictors: (Constant), X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

c. Predictors: (Constant), X1, X4, X11, X2, X8, X3, X5, X10, X6

d. Predictors: (Constant), X1, X4, X2, X8, X3, X5, X10, X6

e. Predictors: (Constant), X1, X4, X2, X8, X3, X10, X6

f. Predictors: (Constant), X1, X4, X2, X8, X3, X6

g. Predictors: (Constant), X1, X4, X2, X8, X6

h. Predictors: (Constant), X1, X4, X2, X6

i. Predictors: (Constant), X1, X2, X6

j. Predictors: (Constant), X1, X2

k. Predictors: (Constant), X1

l. Dependent Variable: Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.614	.666		-.923	.366
	X1	1.279	.408	.840	3.132	.005
	X2	.422	.260	.443	1.624	.119
	X3	.069	.270	.062	.255	.801
	X4	-.240	.228	-.214	-1.055	.304
	X5	-.049	.198	-.060	-.246	.808
	X6	-.316	.267	-.334	-1.185	.249
	X7	-.031	.313	-.025	-.100	.922
	X8	.170	.204	.189	.835	.413
	X10	-.049	.277	-.049	-.178	.860
	X11	-.028	.220	-.036	-.127	.900
	X12	.017	.204	.017	.081	.936
2	(Constant)	-.613	.650		-.942	.356
	X1	1.267	.372	.832	3.408	.003
	X2	.423	.254	.444	1.667	.110
	X3	.083	.208	.075	.397	.695
	X4	-.241	.222	-.215	-1.082	.291
	X5	-.043	.180	-.053	-.238	.814
	X6	-.314	.260	-.332	-1.210	.239
	X7	-.033	.305	-.026	-.108	.915
	X8	.169	.199	.188	.851	.404
	X10	-.045	.265	-.045	-.169	.867
	X11	-.024	.210	-.031	-.115	.910
3	(Constant)	-.618	.634		-.974	.340
	X1	1.247	.317	.819	3.929	.001
	X2	.427	.246	.447	1.731	.097
	X3	.066	.141	.060	.471	.642
	X4	-.241	.218	-.215	-1.108	.280
	X5	-.035	.162	-.043	-.217	.830
	X6	-.320	.248	-.338	-1.291	.210
	X8	.161	.178	.178	.903	.376
	X10	-.035	.243	-.035	-.144	.887
	X11	-.025	.205	-.033	-.124	.902
	X12	-.591	.582		-1.014	.321
4	(Constant)	1.242	.308	.815	4.029	.000
	X1	.425	.241	.445	1.763	.091
	X2	.067	.137	.061	.489	.629
	X3	-.254	.185	-.227	-1.374	.182
	X4	-.027	.144	-.033	-.186	.854
	X5	-.327	.237	-.345	-1.380	.180
	X6	.168	.163	.187	1.032	.312
	X8	-.059	.147	-.059	-.400	.692
	X10	-.572	.562		-1.017	.319
	X11	1.205	.228	.791	5.292	.000
5	(Constant)	.419	.234	.439	1.789	.086
	X2	.066	.135	.060	.491	.627
	X3	-.250	.180	-.223	-1.388	.177
	X4	-.320	.229	-.338	-1.395	.175
	X6	.157	.148	.174	1.058	.300
	X8	-.050	.136	-.050	-.366	.717
	X10	-.618	.538		-1.150	.261
	X11	1.166	.198	.765	5.885	.000
6	(Constant)	.417	.230	.438	1.813	.081
	X2	.072	.132	.065	.544	.591
	X3	-.234	.172	-.209	-1.362	.185
	X4	-.329	.224	-.347	-1.466	.155
	X6	.148	.144	.164	1.028	.313
	X8	-.500	.486		-1.030	.312
	X10	1.158	.195	.760	5.939	.000
7	(Constant)	.397	.224	.417	1.772	.088
	X2	-.226	.169	-.201	-1.338	.192
	X3	-.301	.215	-.318	-1.397	.174
	X4	.168	.137	.186	1.220	.233
	X6	-.558	.488		-1.144	.262
	X8	1.220	.190	.801	6.430	.000
8	(Constant)	.334	.220	.351	1.519	.140
	X2	-.093	.130	-.083	-.716	.480
	X3	-.246	.212	-.260	-1.159	.256
	X4	-.668	.459		-1.455	.156
	X6	1.179	.179	.774	6.573	.000
9	(Constant)	.320	.217	.336	1.473	.151
	X2	-.249	.211	-.263	-1.180	.247
	X3	-.695	.461		-1.506	.142
	X6	1.171	.180	.769	6.489	.000
10	(Constant)	.100	.113	.105	.890	.381
	X2	-.667	.459		-1.453	.156
	X3	1.250	.156	.821	7.994	.000

a. Dependent Variable: Y

Excluded Variables ^k

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
2	X12	.017 ^a	.081	.936	.018	.293
3	X12	.019 ^b	.091	.929	.019	.295
	X7	-.026 ^b	-.108	.915	-.023	.214
4	X12	.013 ^c	.064	.949	.013	.309
	X7	-.028 ^c	-.117	.908	-.024	.214
	X11	-.033 ^c	-.124	.902	-.026	.170
5	X12	-.002 ^d	-.009	.993	-.002	.358
	X7	-.005 ^d	-.025	.980	-.005	.267
	X11	-.009 ^d	-.037	.971	-.008	.206
	X5	-.033 ^d	-.186	.854	-.038	.366
6	X12	-.028 ^e	-.176	.861	-.035	.455
	X7	.018 ^e	.092	.927	.018	.297
	X11	-.043 ^e	-.319	.753	-.064	.600
	X5	-.009 ^e	-.056	.956	-.011	.412
	X10	-.050 ^e	-.366	.717	-.073	.605
7	X12	.024 ^f	.202	.842	.040	.754
	X7	.061 ^f	.435	.667	.085	.544
	X11	-.052 ^f	-.390	.700	-.076	.610
	X5	-.003 ^f	-.016	.987	-.003	.415
	X10	-.057 ^f	-.429	.671	-.084	.613
	X3	.065 ^f	.544	.591	.106	.759
8	X12	.051 ^g	.432	.670	.083	.784
	X7	.105 ^g	.785	.439	.149	.601
	X11	-.083 ^g	-.634	.531	-.121	.639
	X5	.059 ^g	.385	.703	.074	.467
	X10	-.033 ^g	-.249	.805	-.048	.626
	X3	.096 ^g	.829	.414	.158	.810
	X8	.186 ^g	1.220	.233	.229	.450
9	X12	.038 ^h	.324	.748	.061	.802
	X7	.047 ^h	.388	.701	.073	.748
	X11	-.082 ^h	-.632	.533	-.119	.639
	X5	.031 ^h	.209	.836	.039	.495
	X10	-.012 ^h	-.095	.925	-.018	.655
	X3	.063 ^h	.572	.572	.108	.894
	X8	.055 ^h	.463	.647	.087	.769
	X4	-.083 ^h	-.716	.480	-.134	.788
10	X12	.003 ⁱ	.024	.981	.004	.855
	X7	-.004 ⁱ	-.033	.974	-.006	.848
	X11	-.105 ⁱ	-.826	.415	-.152	.659
	X5	.047 ⁱ	.317	.753	.059	.499
	X10	-.028 ⁱ	-.218	.829	-.040	.663
	X3	.025 ⁱ	.239	.813	.044	.962
	X8	.030 ⁱ	.255	.800	.047	.791
	X4	-.085 ⁱ	-.730	.471	-.134	.788
11	X6	-.263 ⁱ	-1.180	.247	-.214	.211
	X12	.031 ^j	.289	.775	.053	.941
	X7	.011 ^j	.098	.923	.018	.867
	X11	-.044 ^j	-.376	.709	-.069	.801
	X5	.037 ^j	.250	.804	.046	.502
	X10	-.011 ^j	-.088	.930	-.016	.677
	X3	.035 ^j	.327	.746	.060	.972
	X8	.035 ^j	.295	.770	.054	.793
	X4	-.062 ^j	-.544	.591	-.099	.820
	X6	.018 ^j	.155	.878	.028	.794
	X2	.105 ^j	.890	.381	.160	.756

a. Predictors in the Model: (Constant), X1, X4, X11, X2, X7, X8, X3, X5, X10, X6

b. Predictors in the Model: (Constant), X1, X4, X11, X2, X8, X3, X5, X10, X6

c. Predictors in the Model: (Constant), X1, X4, X2, X8, X3, X5, X10, X6

d. Predictors in the Model: (Constant), X1, X4, X2, X8, X3, X10, X6

e. Predictors in the Model: (Constant), X1, X4, X2, X8, X3, X6

f. Predictors in the Model: (Constant), X1, X4, X2, X8, X6

g. Predictors in the Model: (Constant), X1, X4, X2, X6

h. Predictors in the Model: (Constant), X1, X2, X6

i. Predictors in the Model: (Constant), X1, X2

j. Predictors in the Model: (Constant), X1

k. Dependent Variable: Y

Residuals Statistics^a

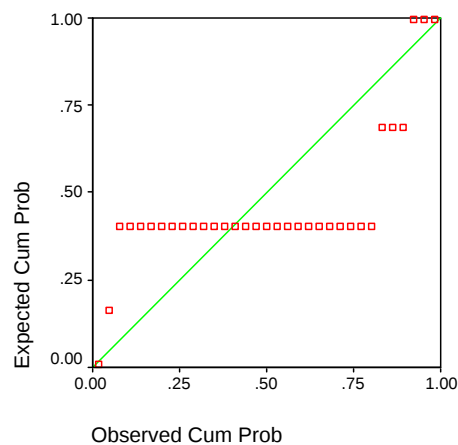
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	1.83	4.33	2.97	.480	33
Std. Predicted Value	-2.365	2.838	.000	1.000	33
Standard Error of Predicted Value	.061	.181	.076	.036	33
Adjusted Predicted Value	1.79	4.46	2.98	.488	33
Residual	-.83	.92	.00	.335	33
Std. Residual	-2.451	2.696	.000	.984	33
Stud. Residual	-2.749	2.740	-.008	1.029	33
Deleted Residual	-1.05	.95	-.01	.367	33
Stud. Deleted Residual	-3.110	3.097	.016	1.148	33
Mahal. Distance	.056	8.056	.970	2.230	33
Cook's Distance	.001	.975	.053	.175	33
Centered Leverage Value	.002	.252	.030	.070	33

a. Dependent Variable: Y

Charts

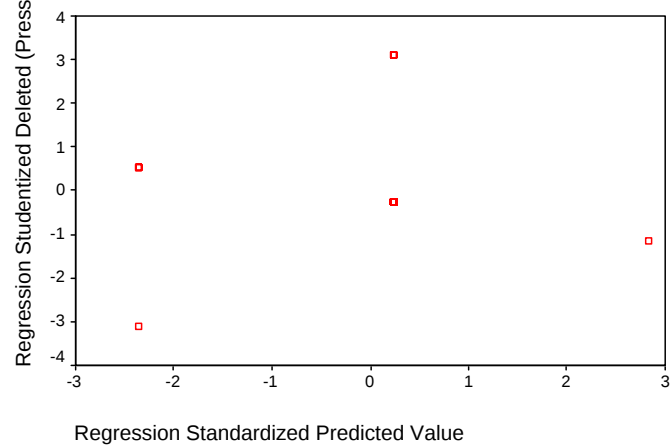
Normal P-P Plot of Regression Stand

Dependent Variable: Y

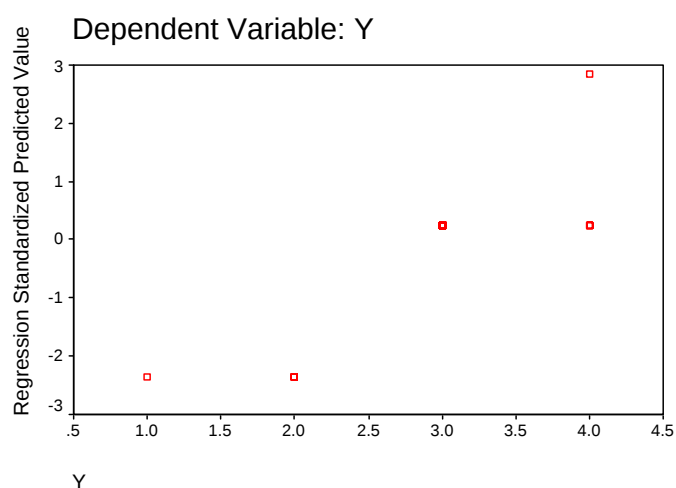


Scatterplot

Dependent Variable: Y



Scatterplot



Metode Forward

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	X1	.	Forward (Criterion: Probabilit y-of-F-to-e nter <= .050)

a. Dependent Variable: Y

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.821 ^a	.673	.663	.340

a. Predictors: (Constant), X1

b. Dependent Variable: Y

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	7.386	1	7.386	63.901	.000 ^a
	Residual	3.583	31	.116		
	Total	10.970	32			

a. Predictors: (Constant), X1

b. Dependent Variable: Y

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	-.667	.459		-1.453	.156
X1	1.250	.156	.821	7.994	.000

a. Dependent Variable: Y

Excluded Variables^b

Model	Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
					Tolerance
1 X2	.105 ^a	.890	.381	.160	.756
X3	.035 ^a	.327	.746	.060	.972
X4	-.062 ^a	-.544	.591	-.099	.820
X5	.037 ^a	.250	.804	.046	.502
X6	.018 ^a	.155	.878	.028	.794
X7	.011 ^a	.098	.923	.018	.867
X8	.035 ^a	.295	.770	.054	.793
X10	-.011 ^a	-.088	.930	-.016	.677
X11	-.044 ^a	-.376	.709	-.069	.801
X12	.031 ^a	.289	.775	.053	.941

a. Predictors in the Model: (Constant), X1

b. Dependent Variable: Y

Residuals Statistics^a

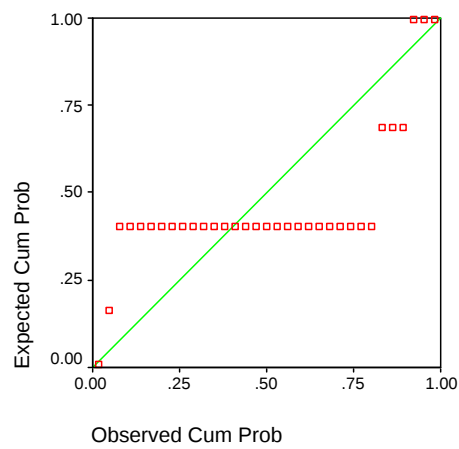
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	1.83	4.33	2.97	.480	33
Std. Predicted Value	-2.365	2.838	.000	1.000	33
Standard Error of Predicted Value	.061	.181	.076	.036	33
Adjusted Predicted Value	1.79	4.46	2.98	.488	33
Residual	-.83	.92	.00	.335	33
Std. Residual	-2.451	2.696	.000	.984	33
Stud. Residual	-2.749	2.740	-.008	1.029	33
Deleted Residual	-1.05	.95	-.01	.367	33
Stud. Deleted Residual	-3.110	3.097	.016	1.148	33
Mahal. Distance	.056	8.056	.970	2.230	33
Cook's Distance	.001	.975	.053	.175	33
Centered Leverage Value	.002	.252	.030	.070	33

a. Dependent Variable: Y

Charts

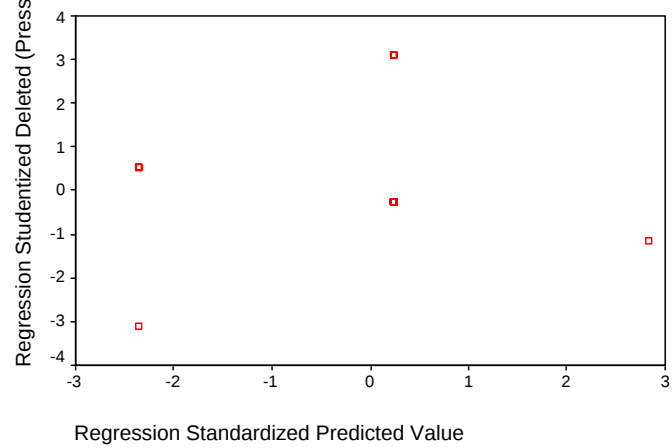
Normal P-P Plot of Regression Stand

Dependent Variable: Y



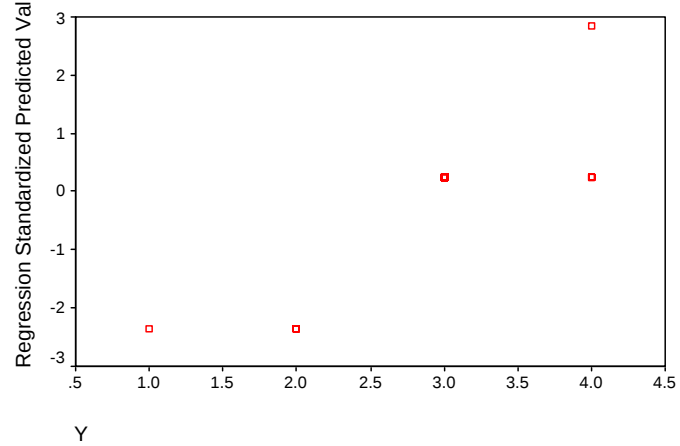
Scatterplot

Dependent Variable: Y



Scatterplot

Dependent Variable: Y



Pengujian BLUE (BPK)

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	X8	1.000	1.000
2	X8	.947	1.056
	X11	.947	1.056

a. Dependent Variable: Y

Excluded Variables^c

Model		Beta In	Collinearity Statistics	
			VIF	Minimum Tolerance
1	X1	.123 ^a	1.050	.953
	X2	.032 ^a	1.258	.795
	X3	-.081 ^a	1.518	.659
	X4	.084 ^a	1.981	.505
	X5	.016 ^a	1.089	.918
	X6	.123 ^a	1.524	.656
	X7	.116 ^a	2.208	.453
	X9	.098 ^a	1.030	.971
	X10	.121 ^a	1.008	.992
	X11	.180 ^a	1.056	.947
	X12	.057 ^a	1.138	.879
2	X1	.068 ^b	1.196	.831
	X2	-.073 ^b	1.584	.631
	X3	-.167 ^b	1.689	.592
	X4	.051 ^b	2.018	.496
	X5	-.021 ^b	1.133	.883
	X6	.027 ^b	1.961	.510
	X7	.040 ^b	2.432	.411
	X9	.050 ^b	1.128	.865
	X10	.044 ^b	1.345	.710
	X12	-.100 ^b	1.881	.532

a. Predictors in the Model: (Constant), X8

b. Predictors in the Model: (Constant), X8, X11

c. Dependent Variable: Y

Pengujian BLUE (Aloysius)

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	X1	1.000	1.000

a. Dependent Variable: Y

Excluded Variables^b

Model		Beta In	Collinearity Statistics	
			VIF	Minimum Tolerance
1	X2	.105 ^a	1.322	.756
	X3	.035 ^a	1.029	.972
	X4	-.062 ^a	1.220	.820
	X5	.037 ^a	1.990	.502
	X6	.018 ^a	1.260	.794
	X7	.011 ^a	1.153	.867
	X8	.035 ^a	1.261	.793
	X10	-.011 ^a	1.477	.677
	X11	-.044 ^a	1.249	.801
	X12	.031 ^a	1.063	.941

a. Predictors in the Model: (Constant), X1

b. Dependent Variable: Y

LAMPIRAN C

Kusioner Penelitian

KUESIONER PENELITIAN

Kepada Saudara/i yang kami hormati,

1Dalam rangka penelitian tugas akhir, kami meminta bantuan Saudara/i untuk mengisi kuesioner ini sebagai bahan masukan untuk penelitian.

Kami ucapkan terima kasih atas bantuan, kerjasama, dan kesediaannya.

Hormat kami,

Tim Peneliti

Bagian I PROFIL RESPONDEN

Petunjuk pengisian :

Berikan tanda silang (X) pada pilihan jawaban dibawah ini dan isilah pertanyaan-pertanyaan berikut sesuai dengan data Saudara/i. Jawaban boleh lebih dari 1 (satu).

1. Apa pekerjaan orang tua Anda?
 - a. Pegawai Negeri
 - b. Pegawai Swasta
 - c. Wiraswasta
 - d. Lainnya.....
2. Berapa penghasilan orang tua Anda untuk setiap bulannya?
 - a. dibawah Rp 1.000.000,00
 - b. Rp 1.000.000,00 – Rp 3.000.000,00
 - c. Rp 3.000.000,00 – Rp 5.000.000,00
 - d. Rp 5.000.000,00– Rp 10.000.000,00
 - e. diatas Rp 10.000.000,00
3. Asal SMA Anda?
.....
Kota:.....
4. Jurusan / program studi apa yang Anda minati? (Jawaban boleh lebih dari 1)
.....
5. Selain Universitas Kristen Maranatha, perguruan tinggi mana yang Anda minati?
.....
Kota:.....

6. Apa yang mendorong Anda memilih perguruan tinggi tersebut? (Berdasarkan jawaban no.5)
- Permintaan orang tua
 - Sudah menjadi budaya turun menurun dalam keluarga
 - Perguruan tinggi memiliki citra (reputasi) yang baik
 - Fasilitas yang disediakan perguruan tinggi (gedung, sarana olahraga, dll.)
 - Adanya jurusan yang diminati
 - Lainnya.....
7. Darimana Anda mengetahui informasi mengenai Universitas Kristen Maranatha Bandung?
- Orang tua
 - Saudara
 - Alumni Universitas Kristen Maranatha
 - Teman/kerabat yang kuliah di Universitas Kristen Maranatha
 - Kunjungan langsung ke Universitas Kristen Maranatha
 - Adanya pelatihan-pelatihan di SMA yang diadakan oleh Universitas Kristen Maranatha
 - Adanya pertandingan (seperti cerdas cermat) yang diadakan di Universitas Kristen Maranatha untuk antar SMA
 - Iklan, yaitu.....
 - Lainnya.....
8. Apa yang mendorong Anda memilih Universitas Kristen Maranatha?
- Permintaan orang tua
 - Sudah menjadi budaya turun menurun dalam keluarga
 - Perguruan tinggi memiliki citra (reputasi) yang baik
 - Fasilitas yang disediakan perguruan tinggi (gedung, sarana olahraga, dll.)
 - Adanya jurusan yang diminati
 - Lainnya.....

Bagian II HAL-HAL YANG DIPENTINGKAN MENGENAI PERGURUAN TINGGI

Petunjuk pengisian :

Berikan tanda silang (X) pada kolom sebelah kanan : Berikan penilaian Anda terhadap hal-hal yang dipentingkan mengenai ***Perguruan Tinggi***.

No	Pernyataan	Sangat Tidak Penting	Tidak Penting	Penting	Sangat Penting
1	Adanya beragam pilihan jurusan/program studi yang disediakan				
2	Jurusan yang ditawarkan terakreditasi baik (minimal B)				
3	Adanya wadah/unit kegiatan olahraga dan kesenian yang beragam				
4	Adanya kegiatan keagamaan secara rutin				
5	Adanya wadah/unit organisasi kemahasiswaan				
6	Waktu tempuh studi yang singkat				
7	Adanya kesempatan untuk pertukaran pelajar ke luar negeri				
8	Kemudahan untuk mendapatkan pekerjaan setelah lulus kuliah				
9	Adanya kegiatan yang bekerjasama dengan perusahaan dan industri				
10	Adanya beasiswa bagi siswa-siswa yang berprestasi				
11	Adanya beasiswa bagi siswa-siswa yang kurang mampu				
12	Perpustakaan memiliki koleksi buku yang lengkap				
13	Adanya fasilitas yang lengkap di setiap laboratorium				
14	Harga pembelian formulir ujian saringan masuk yang terjangkau				
15	Biaya daftar ulang sebagai mahasiswa baru yang terjangkau				
16	Biaya kuliah yang dikeluarkan persemester/caturwulan terjangkau				
17	Biaya praktikum yang terjangkau				
18	Adanya sarana transportasi umum yang melalui perguruan tinggi				
19	Lokasi perguruan tinggi yang mudah dijangkau				
20	Adanya tempat kos di sekitar perguruan tinggi				
21	Adanya berbagai tempat makan di sekitar perguruan tinggi				
22	Adanya fasilitas umum (wartel, warnet, minimarket, dll.) di sekitar perguruan tinggi				
23	Adanya penerimaan program penelusuran minat dan kemampuan (PMDK) untuk menerima siswa berprestasi tanpa ujian saringan masuk				
24	Adanya program pengenalan perguruan tinggi ke sekolah-sekolah melalui pameran, presentasi dan pembagian brosur				
25	Adanya pengenalan perguruan tinggi melalui <i>televisi</i>				

26	Adanya pengenalan perguruan tinggi melalui <i>radio</i>				
27	Adanya pengenalan perguruan tinggi melalui <i>koran</i>				
28	Tersedianya ruang kuliah yang nyaman				
29	Adanya fasilitas yang lengkap di dalam ruang kuliah (OHP, LCD, laptop/komputer, dll.)				
30	Adanya fasilitas sarana olahraga yang lengkap				
No	Pernyataan	Sangat Tidak Penting	Tidak Penting	Penting	Sangat Penting
31	Adanya lapangan parkir yang mencukupi sehingga mahasiswa dapat memarkirkan kendaraannya dengan cepat dan mudah				
32	Adanya fasilitas komputer untuk mendukung proses pembelajaran bagi mahasiswa				
33	Adanya fasilitas kantin di dalam perguruan tinggi				
34	Adanya daerah hijau (taman) di dalam perguruan tinggi				
35	Adanya fasilitas poliklinik di dalam perguruan tinggi				
36	Adanya fasilitas kantor pos di dalam perguruan tinggi				
37	Adanya fasilitas bank di dalam perguruan tinggi				
38	Adanya fasilitas penjualan alat tulis di dalam perguruan tinggi				
39	Adanya fasilitas fotocopy di dalam perguruan tinggi				
40	Adanya fasilitas pelayanan yang berkaitan dengan dunia kerja				
41	Adanya fasilitas pelayanan yang berkaitan dengan studi lanjut				
42	Adanya fasilitas pelayanan yang berkaitan dengan konsultasi kemahasiswaan				
43	Penampilan gedung yang menarik (desain eksterior)				
44	Desain interior yang menarik				
45	Adanya fasilitas hotspot yang merupakan fasilitas internet				
46	Adanya fasilitas business center sebagai tempat pelatihan kerja dan sewa menyewa komputer				
47	Adanya fasilitas gedung teater				
48	Keramahan “customer service” dalam melayani tamu				
49	Staf pengajar yang berkualitas dan berpengalaman (kompeten)				
50	Citra/reputasi perguruan tinggi yang baik				
51	Kemudahan dalam mendapatkan formulir ujian saringan masuk				
52	Kemudahan dalam melakukan pendaftaran ulang menjadi mahasiswa baru				
53	Kemudahan mendapatkan informasi mengenai perguruan tinggi (melalui internet/brosur)				
54	Kemudahan prosedur pelaksanaan ujian saringan masuk				
55	Ujian saringan masuk dapat dilakukan di luar perguruan tinggi				

Bagian III RESPON TERHADAP PROMOSI

Petunjuk pengisian :

Berikan tanda silang (X) pada kolom sebelah kanan : Berikan penilaian Anda terhadap atribut dibawah ini berdasarkan kepuasan yang Anda rasakan terhadap promosi yang telah dilakukan oleh Universitas Kristen Maranatha Bandung.

No	Pernyataan	Sangat Tidak Puas	Tidak Puas	Puas	Sangat Puas	Tidak Tahu
1	Daya tarik promosi yang telah dilakukan oleh <i>tim promosi</i>					
2	Daya tarik promosi yang telah dilakukan melalui <i>televisi</i>					
3	Daya tarik promosi yang telah dilakukan melalui <i>radio</i>					
4	Daya tarik promosi yang telah dilakukan melalui <i>koran</i>					
5	Kejelasan informasi mengenai fakultas dan jurusan oleh <i>tim promosi</i>					
6	Kejelasan informasi mengenai fakultas dan jurusan melalui <i>televisi</i>					
7	Kejelasan informasi mengenai fakultas dan jurusan melalui <i>radio</i>					
8	Kejelasan informasi mengenai fakultas dan jurusan melalui <i>koran</i>					
9	Kejelasan informasi mengenai biaya-biaya yang dikeluarkan oleh <i>tim promosi</i>					
10	Kejelasan informasi mengenai fasilitas penunjang (unit kegiatan, laboratorium, perpustakaan, fasilitas olahraga, organisasi kemahasiswaan) melalui <i>tim promosi</i>					
11	Kejelasan informasi mengenai fasilitas penunjang (unit kegiatan, laboratorium, perpustakaan, fasilitas olahraga, organisasi kemahasiswaan) melalui <i>televisi</i>					
12	Kejelasan informasi mengenai fasilitas penunjang (unit kegiatan, laboratorium, perpustakaan, fasilitas olahraga, organisasi kemahasiswaan) melalui <i>radio</i>					

Apakah kegiatan promosi diatas mendorong Anda untuk melanjutkan studi di Universitas Kristen Maranatha?

- a. Sangat Setuju
- b. Setuju
- c. Tidak Setuju
- d. Sangat Tidak Setuju

Media informasi apa yang disukai oleh Anda dan orang tua? (Jawaban boleh lebih dari 1 (satu))

- a. Televisi, yaitu.....
- b. Brosur.....
- c. Radio, yaitu.....
- d. Lainnya.....

LAMPIRAN D

Tabel Nilai-nilai r *product moment*

LAMPIRAN E

Tabel F

LAMPIRAN F

Tabel t