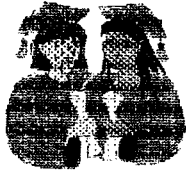


LAMPIRAN

Kuisisioner



Analisis Faktor-faktor yang Mempengaruhi IPK Mahasiswa Jurusan Teknik Industri Unika Widya Mandala Surabaya

Salah satu tolok ukur keberhasilan proses pembelajaran pada perguruan tinggi adalah nilai Indeks Prestasi Kumulatif. Untuk mempertahankan nilai IPK yang baik, mahasiswa dihadapkan pada beberapa faktor. Adapun kuisisioner ini akan digunakan untuk mengetahui faktor-faktor yang mempengaruhi IPK mahasiswa dan sebagai masukan proses pembelajaran, khususnya di Jurusan Teknik Industri. Atas kesediaan dan partisipasinya untuk mengisi kuisisioner ini, kami ucapkan terimakasih.

Petunjuk umum

Isilah dan lingkariilah pertanyaan dibawah ini.

Identitas Responden

1. Nrp

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

2. Jenis kelamin

: a. Pria b. Wanita

3. Asal Jurusan ketika di SMU : a. IPA b. IPS



Pola Belajar



1. Berapa jam rata-rata waktu belajar anda/minggu ?

2. Berapa jam rata-rata anda belajar secara kelompok/minggu ?

3. Berapa jam rata-rata kunjungan anda ke perpustakaan dalam seminggu guna menambah wawasan ?

Minat dan motivasi



1. Berapa prosentase rata-rata kehadiran anda dalam perkuliahan ?

2. Berapa prosentase anda melaksanakan tugas yang diberikan dosen dengan baik ?

3. Pilihan ke-berapa Jurusan Teknik Industri saat anda memutuskan kuliah di UWM ?

a. Satu-satunya atau pilihan ke-1 dari 2

b. Pilihan ke-2 dari 2

Saran :

Note: Nrp tidak dicantumkan pada hasil tugas akhir (rahasia).

Lampiran 2

Data hasil kuisisioner untuk angkatan 1998

No	IPK- 2	IPK- 4	IPK- 6	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂
1	3.34	3.14	2.94	0	1	8	7	7.65	6.22	6	8	5	80	90	0
2	3.39	3.52	3.55	1	1	7	6	5.50	4.78	6	2	1	99	98	0
3	2.93	2.65	2.48	1	1	6	6	4.50	4.35	3	11	1	80	90	1
4	3.16	2.72	2.85	0	1	6	6	5.25	5.06	8	10	8	98	97	0
5	2.83	2.71	2.81	0	1	5	6	4.45	6.08	5	7	1	80	90	1
6	3.39	3.34	3.39	1	1	6	7	6.05	6.95	12	12	6	99	98	0
7	2.79	2.68	2.57	1	1	6	7	4.50	7.96	4	6	2	85	85	0
8	3.49	3.33	3.33	1	0	8	7	9.50	7.68	5	10	3	75	75	0
9	3.11	3.20	3.21	0	1	5	8	2.80	7.24	10	5	10	99	95	0
10	2.67	2.59	2.58	1	1	6	5	3.85	2.31	6	4	1	90	75	1
11	2.29	2.19	2.39	1	1	5	7	3.70	6.67	6	3	4	90	80	1
12	2.52	2.72	2.69	1	1	6	8	5.25	7.26	5	2	1	80	75	0
13	2.70	2.65	2.57	0	0	6	6	5.65	5.78	10	8	2	90	80	0
14	2.83	2.29	2.27	1	1	6	7	5.25	6.96	5	2	1	75	75	0
15	3.09	2.97	2.86	0	1	7	6	5.25	5.48	10	10	1	99	85	1
16	2.93	2.65	2.63	1	1	6	8	4.10	7.20	10	3	5	91	78	0
17	2.94	2.56	2.49	0	1	6	5	4.25	4.18	7	2	2	96	80	0
18	3.03	2.72	2.73	1	1	6	6	5.65	5.21	2	1	1	70	85	0
19	2.78	2.31	2.55	1	1	6	7	4.10	6.07	10	5	5	77	92	1

Lampiran 3

Data hasil kuisioner untuk angkatan 1999

No	IPK-2	IPK-4	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂
1	2.23	2.18	1	1	5	7	2.50	5.60	3	2	4	80	75	0
2	3.31	3.00	1	0	8	6	7.75	5.60	2	2	1	90	80	0
3	3.18	3.29	1	1	8	6	7.00	4.40	10	4	1	95	90	1
4	2.56	2.53	0	1	5	7	3.00	5.60	11	5	2	90	60	0
5	3.31	3.29	1	1	7	7	6.75	6.40	5	5	3	90	90	1
6	1.86	1.78	1	1	6	8	3.75	8.80	14	1	2	90	75	0
7	3.33	3.13	0	1	7	8	6.00	8.00	8	5	3	98	98	0
8	2.93	2.96	0	1	7	7	5.00	6.20	5	4	2	95	90	0
9	2.17	1.78	0	1	5	6	2.75	5.20	5	1	1	70	60	1
10	3.10	3.01	0	1	7	6	4.50	5.60	10	5	1	95	99	1
11	3.19	3.21	1	1	7	7	7.00	5.80	3	5	0	90	70	0
12	2.44	1.88	1	1	6	8	5.25	7.60	6	2	1	80	70	0
13	2.50	2.40	1	1	7	8	4.50	6.00	3	1	2	90	60	0
14	2.19	1.84	0	1	6	8	5.50	9.00	10	2	1	80	85	0
15	2.28	2.02	1	0	6	6	4.50	4.20	6	13	2	80	90	0
16	2.92	2.74	0	1	6	8	5.00	8.20	3	0	0	75	80	0
17	2.70	2.68	0	1	6	6	5.25	5.80	7	10	3	95	90	0
18	2.76	2.29	0	1	6	5	3.00	2.60	10	1	1	90	80	0
19	2.48	2.40	1	1	6	5	4.25	3.40	4	4	1	95	75	0
20	2.11	1.63	1	0	5	6	3.75	5.20	1	1	0	90	90	1
21	3.44	3.45	0	1	5	7	3.50	7.20	10	8	2	90	90	1
22	2.26	2.03	1	0	5	6	2.50	4.20	13	0	1	99	90	0
23	2.46	2.36	0	1	5	6	2.75	5.00	5	2	1	90	90	1
24	2.69	2.44	0	1	8	8	3.25	3.40	2	4	2	90	98	1
25	1.49	2.09	1	1	6	6	5.70	5.78	5	1	0	85	50	0
26	3.23	3.16	1	1	6	7	3.50	6.60	4	2	2	80	90	1
27	3.17	2.92	0	1	6	8	6.25	7.80	12	1	1	90	95	1
28	1.92	2.07	0	1	5	6	2.00	4.80	5	3	1	80	80	0
29	2.46	2.39	0	1	5	6	2.25	5.00	4	2	1	90	80	1
30	3.10	3.08	0	1	7	8	6.50	7.80	7	8	1	90	90	0
31	1.80	1.90	1	1	5	7	2.75	7.40	4	1	1	80	60	0
32	2.74	2.83	0	1	6	7	3.70	6.37	2	3	0	80	80	1
33	2.32	1.87	0	1	6	7	4.00	5.20	15	10	3	90	90	1

Lampiran 4

Correlations variabel- variabel pada semester 2 untuk angkatan 1998

	IPK-2	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
X1	-0.165											
X2	-0.153	0.094										
X3	0.644	0.014	-0.356									
X4	-0.024	0.255	0.031	-0.054								
X5	0.607	0.040	-0.579	0.834	0.027							
X6	0.053	0.138	-0.188	0.007	0.854	0.229						
X7	0.161	-0.325	-0.083	-0.084	0.215	-0.170	0.136					
X8	0.444	-0.285	-0.311	0.288	-0.073	0.394	0.066	0.303				
X9	0.279	-0.287	0.086	-0.160	0.464	-0.135	0.316	0.579	0.256			
X10	0.175	-0.381	0.163	-0.151	-0.140	-0.340	-0.195	0.651	0.182	0.399		
X11	0.498	-0.259	0.338	-0.067	-0.027	-0.105	-0.057	0.290	0.384	0.492	0.392	
X12	-0.430	0.049	0.233	-0.272	-0.319	-0.378	-0.397	-0.044	0.161	-0.257	-0.072	-0.007

Lampiran 5

Correlations variabel-variabel pada semester 4 untuk angkatan 1998

	IPK-4	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
X1	-0.135											
X2	-0.194	0.094										
X3	0.534	0.014	-0.356									
X4	0.103	0.255	0.031	-0.054								
X5	0.507	0.040	-0.579	0.834	0.027							
X6	0.124	0.138	-0.188	0.007	0.854	0.229						
X7	0.179	-0.325	-0.083	-0.084	0.215	-0.170	0.136					
X8	0.370	-0.285	-0.311	0.288	-0.073	0.394	0.066	0.303				
X9	0.213	-0.287	0.086	-0.160	0.464	-0.135	0.316	0.579	0.256			
X10	0.332	-0.381	0.163	-0.151	-0.140	-0.340	-0.195	0.651	0.182	0.399		
X11	0.460	-0.259	0.338	-0.067	-0.027	-0.105	-0.057	0.290	0.384	0.492	0.392	
X12	-0.407	0.049	0.233	-0.272	-0.319	-0.378	-0.397	-0.044	0.161	-0.257	-0.072	-0.007

Lampiran 6

Correlations variabel- variabel pada semester 6 untuk angkatan 1998

	IPK-6	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
X1	-0.077											
X2	-0.164	0.094										
X3	0.409	0.014	-0.356									
X4	0.140	0.255	0.031	-0.054								
X5	0.440	0.040	-0.579	0.834	0.027							
X6	0.154	0.138	-0.188	0.007	0.854	0.229						
X7	0.260	-0.325	-0.083	-0.084	0.215	-0.170	0.136					
X8	0.324	-0.285	-0.311	0.288	-0.073	0.294	0.066	0.303				
X9	0.324	-0.287	0.086	-0.160	0.464	-0.135	0.316	0.579	0.256			
X10	0.358	-0.381	0.163	-0.151	-0.140	-0.340	-0.195	0.651	0.182	0.399		
X11	0.545	-0.259	0.338	-0.067	-0.027	-0.105	-0.057	0.290	0.384	0.492	0.392	
X12	-0.337	0.049	0.233	-0.272	-0.319	-0.378	-0.397	-0.044	0.161	-0.257	-0.072	-0.007

Lampiran 7

Correlations variabel-variabel pada semester 2 untuk angkatan 1999

	IPK-2	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
X1	-0.206											
X2	0.099	-0.407										
X3	0.549	0.107	0.036									
X4	0.175	-0.121	0.320	0.236								
X5	0.524	0.205	-0.050	0.736	0.249							
X6	0.112	-0.079	0.272	-0.003	0.758	0.332						
X7	0.005	-0.232	0.098	-0.099	0.083	-0.010	0.151					
X8	0.160	-0.253	-0.013	0.156	0.070	0.251	0.075	0.275				
X9	0.117	-0.022	0.066	0.024	0.235	-0.098	0.060	0.215	0.331			
X10	0.359	-0.005	-0.115	0.362	-0.158	0.255	-0.230	0.352	0.095	0.176		
X11	0.544	-0.330	-0.178	0.295	0.060	0.150	-0.034	0.227	0.365	0.290	0.434	
X12	0.277	-0.238	0.109	-0.012	-0.084	-0.137	-0.150	0.012	-0.044	0.031	0.007	0.408

Lampiran 8

Correlations variabel-variabel pada semester 4 untuk angkatan 1999

	IPK-4	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11
X1	-0.149											
X2	0.234	-0.407										
X3	0.533	0.107	0.036									
X4	0.126	-0.121	0.320	0.236								
X5	0.526	0.205	-0.050	0.736	0.249							
X6	0.132	-0.079	0.272	-0.008	0.758	0.332						
X7	-0.063	-0.232	0.098	-0.099	0.083	-0.010	0.151					
X8	0.121	-0.253	-0.013	0.156	0.070	0.251	0.075	0.275				
X9	0.052	-0.022	0.066	0.024	0.235	-0.098	0.060	0.215	0.331			
X10	0.371	-0.005	-0.115	0.362	-0.158	0.255	-0.230	0.352	0.095	0.176		
X11	0.392	-0.330	-0.178	0.295	0.060	0.150	-0.034	0.227	0.365	0.290	0.434	
X12	0.218	-0.238	0.109	-0.012	-0.084	-0.137	-0.150	0.012	-0.044	0.031	0.007	0.408

Lampiran 9

Hasil Komputer Analisis Regresi Berganda Secara Serentak Pada Semester 2 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{IPK-2} = 0.52 + 0.042 X_1 + 0.080 X_2 + 0.155 X_3 - 0.066 X_4 + 0.054 X_5 + 0.006 X_6 + 0.0050 X_7 + 0.0072 X_8 + 0.0164 X_9 + 0.0012 X_{10} + 0.0155 X_{11} - 0.172 X_{12}$$

Predictor	Coef	StDev	T	P	VIF
Constant	0.521	1.474	0.35	0.736	
X1	0.0423	0.1434	0.29	0.778	1.6
X2	0.0795	0.2811	0.28	0.787	2.5
X3	0.1550	0.1569	0.99	0.361	5.5
X4	-0.0655	0.1816	-0.36	0.730	8.6
X5	0.0537	0.1198	0.45	0.670	10.3
X6	0.0063	0.1030	0.06	0.953	6.9
X7	0.00496	0.03395	0.15	0.889	2.9
X8	0.00717	0.02669	0.27	0.797	2.9
X9	0.01637	0.03806	0.43	0.682	3.4
X10	0.00119	0.01026	0.12	0.911	3.2
X11	0.01554	0.01016	1.54	0.175	2.2
X12	0.1720	0.1865	-0.92	0.392	2.5

S = 0.2373 R-Sq = 80.9% R-Sq(adj) = 42.8%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	12	1.43292	0.11941	2.12	0.183
Residual Error	6	0.33793	0.05632		
Total	18	1.77085			

Source	DF	Seq SS
X1	1	0.04808
X2	1	0.03404
X3	1	0.72436
X4	1	0.00617
X5	1	0.08845
X6	1	0.00040
X7	1	0.11940
X8	1	0.02251
X9	1	0.15733
X10	1	0.03121
X11	1	0.15303
X12	1	0.04793

Lampiran 10

Hasil Komputer Analisis Regresi Berganda Secara Serentak Dengan Metode Stepwise Pada Semester 2 Untuk Angkatan 1998

Stepwise Regression

F-to-Enter: 4.00 F-to-Remove: 4.00
Response is IPK-2 on 12 predictors, with N = 19

Step	1	2	3
Constant	1.4666	-0.3796	-0.1386
X3	0.242	0.256	0.229
T-Value	3.47	5.03	4.74
X11		0.0206	0.0204
T-Value		4.02	4.34
X12			-0.171
T-Value			-2.04
S	0.247	0.180	0.164
R-Sq	41.52	70.87	77.18

Regression Analysis

The regression equation is
 $IPK-2 = -0.139 + 0.229 X3 + 0.0204 X11 - 0.171 X12$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.1385	0.5231	-0.26	0.795	
X3	0.22906	0.04831	4.74	0.000	1.1
X11	0.020377	0.004699	4.34	0.001	1.0
X12	-0.17142	0.08421	-2.04	0.060	1.1

S = 0.1641 R-Sq = 77.2% R-Sq(adj) = 72.6%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	1.36668	0.45556	16.91	0.000
Residual Error	15	0.40417	0.02694		
Total	18	1.77085			

Source	DF	Seq SS
X3	1	0.73522
X11	1	0.51980
X12	1	0.11166

Unusual Observations

Obs	X3	IPK-2	Fit	StDev Fit	Residual	St Resid
8	8.00	3.4900	3.2222	0.1030	0.2678	2.10R

R denotes an observation with a large standardized residual

Lampiran 11

Hasil Komputer Analisis Regresi Berganda Dengan Metode Stepwise (Residual) Pada Semester 2 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{RESIDUAL-2} = 0.342 - 0.0169 X3 - 0.00132 X11 - 0.0273 X12$$

Predictor	Coef	StDev	T	P	VIF
Constant	0.3420	0.2161	1.58	0.134	
X3	-0.01675	0.01996	-0.84	0.414	1.1
X11	-0.001320	0.001941	-0.68	0.507	1.0
X12	-0.02732	0.03479	-0.79	0.444	1.1

S = 0.06781 R-Sq = 8.6% R-Sq(adj) = 0.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	0.006530	0.002177	0.47	0.705
Residual Error	15	0.068967	0.004598		
Total	18	0.075497			

Source	DF	Seq SS
X3	1	0.001696
X11	1	0.001998
X12	1	0.002836

Hasil Komputer Analisis Regresi Berganda Secara Serentak Pada Semester 4 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{IPK-4} = -3.19 - 0.044 \text{ X1} - 0.251 \text{ X2} + 0.030 \text{ X3} + 0.303 \text{ X4} + 0.149 \text{ X5} \\ - 0.107 \text{ X6} - 0.0327 \text{ X7} - 0.00639 \text{ X8} - 0.04182 \text{ X9} + 0.02464 \text{ X10} \\ + 0.02569 \text{ X11} - 0.051 \text{ X12}$$

Predictor	Coeff	StDev	T	P	VIF
Constant	-3.189	1.840	-1.73	0.134	
X1	-0.0440	0.1790	-0.25	0.814	1.6
X2	-0.2513	0.3509	-0.72	0.501	2.5
X3	0.0295	0.1958	0.15	0.885	5.5
X4	0.3031	0.2267	1.34	0.230	8.6
X5	0.1409	0.1495	1.00	0.358	10.3
X6	-0.1069	0.1286	-0.83	0.438	6.9
X7	-0.03270	0.04238	-0.77	0.470	2.9
X8	-0.00639	0.03331	-0.19	0.854	2.9
X9	-0.04182	0.04753	-0.88	0.413	3.4
X10	0.02464	0.01281	1.92	0.103	3.2
X11	0.02569	0.01260	2.04	0.088	2.2
X12	-0.0509	0.2327	-0.22	0.834	2.5

S = 0.2962 R-Sq = 78.7% R-Sq(adj) = 36.2%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	12	1.94847	0.16237	1.85	0.232
Residual Error	6	0.52657	0.08776		
Total	18	2.47504			

Source	DF	Seq SS
X1	1	0.04495
X2	1	0.08176
X3	1	0.62841
X4	1	0.07569
X5	1	0.04099
X6	1	0.01775
X7	1	0.09048
X8	1	0.02654
X9	1	0.02478
X10	1	0.53546
X11	1	0.37745
X12	1	0.00420

Lampiran 13

Hasil Komputer Analisis Regresi Berganda Secara Serentak Dengan Metode Stepwise
 Pada Semester 4 Untuk Angkatan 1998

Stepwise Regression

F-to-Enter: 4.00 F-to-Remove: 4.00
 Response is IPK-4 on 12 predictors, with N = 19

Step	1	2
Constant	1.3258	-0.6754
X3	0.237	0.252
T-Value	2.60	3.30
X11		0.0224
T-Value		2.90
S	0.323	0.269
R-Sq	28.47	53.15

Regression Analysis

The regression equation is
 $IPK-4 = -0.675 + 0.252 X3 + 0.0224 X11$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.6754	0.8357	-0.81	0.431	
X3	0.25194	0.07624	3.30	0.004	1.0
X11	0.022363	0.007704	2.90	0.010	1.0

S = 0.2692 R-Sq = 53.1% R-Sq(adj) = 47.3%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	1.31541	0.65771	9.07	0.002
Residual Error	16	1.15963	0.07248		
Total	18	2.47504			

Source	DF	Seq SS
X3	1	0.70469
X11	1	0.61072

Unusual Observations

Obs	X3	IPK-4	Fit	StDev Fit	Residual	St Resid
9	5.00	3.2000	2.7088	0.1272	0.4912	2.07R
19	6.00	2.3100	2.8937	0.0803	-0.5837	-2.27R

R denotes an observation with a large standardized residual

Lampiran 14

Hasil Komputer Analisis Regresi Berganda Dengan Metode Stepwise (Residual) Pada Semester 4 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{RESIDUAL-4} = -0.552 + 0.0009 \text{ X3} + 0.00867 \text{ X11}$$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.5519	0.4590	-1.20	0.247	
X3	0.00090	0.04187	0.02	0.983	1.0
X11	0.008671	0.004231	2.05	0.057	1.0

S = 0.1479 R-Sq = 20.8% R-Sq(adj) = 10.9%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	0.09211	0.04605	2.11	0.154
Residual Error	16	0.34984	0.02187		
Total	18	0.44195			

Source	DF	Seq SS
X3	1	0.00029
X11	1	0.09182

Unusual Observations

Obs	X3	RESIDUAL	Fit	StDev Fit	Residual	St Resid
19	6.00	0.5837	0.2513	0.0441	0.3324	2.36R

R denotes an observation with a large standardized residual

Hasil Komputer Analisis Regresi Berganda Secara Serentak Pada Semester 6 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{IPK-6} = -3.19 + 0.042 X_1 - 0.274 X_2 - 0.087 X_3 + 0.226 X_4 + 0.239 X_5 \\ - 0.073 X_6 - 0.0190 X_7 - 0.0362 X_8 - 0.0134 X_9 + 0.0257 X_{10} \\ + 0.0299 X_{11} + 0.141 X_{12}$$

Predictor	Coef	StDev	T	P	VIF
Constant	-3.187	1.702	-1.87	0.110	
X1	0.0419	0.1655	0.25	0.809	1.6
X2	-0.2741	0.3246	-0.84	0.431	2.5
X3	-0.0874	0.1811	-0.48	0.646	5.5
X4	0.2262	0.2096	1.08	0.322	8.6
X5	0.2395	0.1383	1.73	0.134	10.3
X6	-0.0728	0.1190	-0.61	0.563	6.9
X7	-0.01903	0.03919	-0.49	0.644	2.9
X8	-0.03616	0.03081	-1.17	0.285	2.9
X9	-0.01336	0.04396	-0.30	0.771	3.4
X10	0.02567	0.01185	2.17	0.073	3.2
X11	0.02991	0.01166	2.57	0.043	2.2
X12	0.1415	0.2153	0.66	0.535	2.5

S = 0.2740 R-Sq = 80.3% R-Sq(adj) = 41.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	12	1.83998	0.15333	2.04	0.196
Residual Error	6	0.45047	0.07508		
Total	18	2.29044			

Source	DF	Seq SS
X1	1	0.01349
X2	1	0.05704
X3	1	0.32789
X4	1	0.08239
X5	1	0.08165
X6	1	0.02490
X7	1	0.22293
X8	1	0.00345
X9	1	0.09413
X10	1	0.42705
X11	1	0.47263
X12	1	0.03242

Unusual Observations

Obs	X1	IPK-6	Fit	StDev Fit	Residual	St Resid
11	1.00	2.3900	2.6953	0.2308	-0.3053	-2.07R

R denotes an observation with a large standardized residual

Lampiran 16

Hasil Komputer Analisis Regresi Berganda Secara Serentak Dengan Metode Stepwise Pada Semester 6 Untuk Angkatan 1998

Stepwise Regression

F-to-Enter: 4.00 F-to-Remove: 4.00
 Response is IPK-6 on 12 predictors, with N = 19

Step	1	2	3
Constant	0.77178	-0.03552	-0.90413
X11	0.0236	0.0258	0.0198
T-Value	2.68	3.53	2.80
X5		0.120	0.148
T-Value		2.97	3.88
X10			0.0143
T-Value			2.25
S	0.308	0.255	0.227
R-Sq	29.71	54.66	66.11

Regression Analysis

The regression equation is
 $IPK-6 = -0.904 + 0.148 X5 + 0.0143 X10 + 0.0198 X11$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.9041	0.7201	-1.26	0.228	
X5	0.14775	0.03812	3.88	0.001	1.1
X10	0.014289	0.006349	2.25	0.040	1.3
X11	0.019766	0.007065	2.80	0.014	1.2

S = 0.2275 R-Sq = 66.1% R-Sq(adj) = 59.3%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	1.51418	0.50473	9.75	0.001
Residual Error	15	0.77627	0.05175		
Total	18	2.29044			

Source	DF	Seq SS
X5	1	0.44277
X10	1	0.66633
X11	1	0.40507

Unusual Observations

Obs	X5	IPK-6	Fit	StDev Fit	Residual	St Resid
9	2.80	3.2100	2.8019	0.1140	0.4081	2.07R

R denotes an observation with a large standardized residual

Lampiran 17

Hasil Komputer Analisis Regresi Berganda Dengan Metode Stepwise (Residual) Pada Semester 6 Untuk Angkatan 1998

Regression Analysis

The regression equation is

$$\text{RESIDUAL-6} = 0.128 - 0.0027 X5 + 0.00012 X10 - 0.00003 X11$$

Predictor	Coef	StDev	T	P	VIF
Constant	0.1284	0.3291	0.39	0.702	
X5	-0.00270	0.01742	-0.15	0.879	1.1
X10	0.000123	0.002902	0.04	0.967	1.3
X11	-0.000026	0.003229	-0.01	0.994	1.2

S = 0.1040 R-Sq = 0.2% R-Sq(adj) = 0.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	0.00037	0.00012	0.01	0.998
Residual Error	15	0.16214	0.01081		
Total	18	0.16251			

Source	DF	Seq SS
X5	1	0.00035
X10	1	0.00002
X11	1	0.00000

Lampiran 18

Hasil Komputer Analisis Regresi Berganda Secara Serentak Pada Semester 2 Untuk Angkatan 1999

Regression Analysis

The regression equation is

$$\text{IPK-2} = 0.02 - 0.191 X_1 + 0.205 X_2 + 0.012 X_3 - 0.004 X_4 + 0.181 X_5 - 0.013 X_6 - 0.0182 X_7 - 0.0254 X_8 + 0.0502 X_9 + 0.0064 X_{10} + 0.0156 X_{11} + 0.123 X_{12}$$

Predictor	Coef	StDev	T	P	VIF
Constant	0.020	1.352	0.01	0.988	
X1	-0.1913	0.1983	-0.96	0.346	2.0
X2	0.2052	0.2965	0.69	0.497	1.9
X3	0.0118	0.1684	0.07	0.945	5.0
X4	-0.0044	0.1544	-0.03	0.978	4.0
X5	0.1811	0.1020	1.77	0.091	5.1
X6	-0.0135	0.1039	-0.13	0.898	5.2
X7	-0.01819	0.02302	-0.79	0.439	1.5
X8	-0.02538	0.02738	-0.93	0.365	1.8
X9	0.06024	0.08970	0.67	0.510	1.6
X10	0.00637	0.01486	0.43	0.673	2.1
X11	0.015625	0.009588	1.63	0.119	2.9
X12	0.1229	0.1797	0.68	0.502	1.6

S = 0.4045 R-Sq = 61.1% R-Sq(adj) = 37.7%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	12	5.1338	0.4278	2.61	0.028
Residual Error	20	3.2722	0.1636		
Total	32	8.4060			

Source	DF	Seq SS
X1	1	0.3563
X2	1	0.0025
X3	1	2.7809
X4	1	0.0022
X5	1	0.4471
X6	1	0.0005
X7	1	0.0082
X8	1	0.0324
X9	1	0.3535
X10	1	0.1716
X11	1	0.9022
X12	1	0.0765

Unusual Observations

Obs	X1	IPK-2	Fit	StDev Fit	Residual	St Resid
21	0.00	3.4400	2.6289	0.2029	0.8111	2.32R
25	1.00	1.4900	2.2397	0.2288	-0.7497	-2.25R

R denotes an observation with a large standardized residual

Lampiran 19

Hasil Komputer Analisis Regresi Berganda Secara Serentak Dengan Metode Stepwise Pada Semester 2 Untuk Angkatan 1999

Stepwise Regression

F-to-Enter: 4.00 F-to-Remove: 4.00
 Response is IPK-2 on 12 predictors, with N = 33

Step	1	2
Constant	0.8156	-0.1548
X3	0.297	0.230
T-Value	3.66	3.04
X11		0.0169
T-Value		2.98
S	0.435	0.388
R-Sq	30.16	46.14

Regression Analysis

The regression equation is
 $IPK-2 = -0.155 + 0.230 X3 + 0.0169 X11$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.1548	0.5525	-0.28	0.781	
X3	0.23039	0.07585	3.04	0.005	1.1
X11	0.016838	0.005650	2.98	0.006	1.1

S = 0.3885 R-Sq = 46.1% R-Sq(adj) = 42.6%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	5.8789	1.9395	12.85	0.000
Residual Error	30	4.5271	0.1509		
Total	32	3.4060			

Source	DF	Seq SS
X3	1	2.5355
X11	1	1.3434

Unusual Observations

Obs	X3	IPK-2	Fit	StDev Fit	Residual	St Resid
21	5.00	3.4400	2.5171	0.1268	0.9229	2.51R

R denotes an observation with a large standardized residual

Lampiran 20

Hasil Komputer Analisis Regresi Berganda Dengan Metode Stepwise (Residual) Pada Semester 2 Untuk Angkatan 1999

Regression Analysis

The regression equation is

$$\text{RESIDUAL} = 0.596 - 0.0339 X3 - 0.00193 X11$$

Predictor	Coef	StDev	T	P	VIF
Constant	0.5961	0.3105	1.92	0.064	
X3	-0.03390	0.04263	-0.80	0.433	1.1
X11	-0.001935	0.003181	-0.61	0.548	1.1

S = 0.2183 R-Sq = 4.5% R-Sq(adj) = 0.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	0.06722	0.03361	0.71	0.502
Residual Error	30	1.43001	0.04767		
Total	32	1.49723			

Source	DF	Seq SS
X3	1	0.04958
X11	1	0.01763

Unusual observations

obs	X3	RESIDUAL	Fit	StDev Fit	Residual	St Resid
21	5.00	0.8111	0.2525	0.0712	0.5586	2.71R
25	6.00	0.7497	0.2960	0.1067	0.4537	2.38R

R denotes an observation with a large standardized residual

Lampiran 21

Hasil Komputer Analisis Regresi Berganda Secara Serentak Pada Semester 4 Untuk Angkatan 1999

Regression Analysis

The regression equation is

$$\begin{aligned}
 \text{IPK-4} = & -0.79 - 0.100 \text{ X1} + 0.502 \text{ X2} + 0.052 \text{ X3} - 0.116 \text{ X4} + 0.145 \text{ X5} \\
 & + 0.060 \text{ X6} - 0.0351 \text{ X7} - 0.0129 \text{ X8} + 0.0354 \text{ X9} + 0.0191 \text{ X10} \\
 & + 0.0107 \text{ X11} + 0.134 \text{ X12}
 \end{aligned}$$

Predictor	Coef	StDev	T	P	VIF
Constant	-0.795	1.471	-0.54	0.595	
X1	-0.1002	0.2158	-0.46	0.647	2.0
X2	0.5023	0.3226	1.56	0.135	1.9
X3	0.0519	0.1833	0.28	0.780	5.0
X4	-0.1164	0.1680	-0.69	0.497	4.0
X5	0.1454	0.1110	1.31	0.205	5.1
X6	0.0600	0.1131	0.53	0.601	5.2
X7	-0.03512	0.02504	-1.40	0.176	1.5
X8	-0.01288	0.02979	-0.43	0.670	1.8
X9	0.03536	0.09760	0.36	0.721	1.6
X10	0.01914	0.01617	1.18	0.250	2.1
X11	0.01075	0.01043	1.03	0.315	2.9
X12	0.1338	0.1956	0.68	0.502	1.6

S = 0.4401 R-Sq = 58.3% R-Sq(adj) = 33.3%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	12	5.4240	0.4520	2.33	0.045
Residual Error	20	3.8737	0.1937		
Total	32	9.2977			

Source	DF	Seq SS
X1	1	0.7063
X2	1	0.7117
X3	1	0.0847
X4	1	0.0535
X5	1	0.6431
X6	1	0.0366
X7	1	0.0785
X8	1	0.0159
X9	1	0.2521
X10	1	0.5071
X11	1	0.5220
X12	1	0.0906

Unusual Observations

Obs	X1	IPK-4	Fit	StDev Fit	Residual	St Resid
20	1.00	1.6300	2.3347	0.3098	-0.7047	-2.25R
21	0.00	3.4500	2.5337	0.2207	0.9163	2.41R

R denotes an observation with a large standardized residual

Lampiran 22

Hasil Komputer Analisis Regresi Berganda Secara Serentak Dengan Metode Stepwise Pada Semester 4 Untuk Angkatan 1999

Stepwise Regression

F-to-Enter: 4.00 F-to-Remove: 4.00

Response is IPK-4 on 12 predictors, with N = 33

Step	1
Constant	0.6576
X3	0.303
T-Value	3.51
S	0.463
R-Sq	28.39

Regression Analysis

The regression equation is

$$\text{IPK-4} = 0.658 + 0.303 \text{ X3}$$

Predictor	Coef	StDev	T	P
Constant	0.6576	0.5328	1.23	0.226
X3	0.30313	0.08647	3.51	0.001

S = 0.4634 R-Sq = 28.4% R-Sq(adj) = 26.1%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	1	2.6397	2.6397	12.29	0.001
Residual Error	31	6.6581	0.2148		
Total	32	9.2978			

Unusual Observations

Obs	X3	IPK-4	Fit	StDev Fit	Residual	St Resid
21	5.00	3.4500	2.1732	0.1241	1.2768	2.86R

R denotes an observation with a large standardized residual

Regression Analysis

The regression equation is
RESIDUAL-4 = 0.456 - 0.0132 X3

Predictor	Coef	StDev	T	P
Constant	0.4564	0.2913	1.57	0.127
X3	-0.01323	0.04728	-0.28	0.782

S = 0.2534 R-Sq = 0.3% R-Sq(adj) = 0.0%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	1	0.00502	0.00502	0.08	0.782
Residual Error	31	1.99046	0.06421		
Total	32	1.99549			

Unusual Observations

Obs	X3	RESIDUAL	Fit	StDev Fit	Residual	St Resid
21	5.00	1.2768	0.3903	0.0679	0.8864	3.63R

R denotes an observation with a large standardized residual

