APPENDIX A

Evaluate Perception Regarding Drought

Farmers' drought definition

1. Do you know drought? *(total 7 scores)*

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, what are its descriptions?

□ Shortage of or no rainfall □ Low moisture in the air/soil

□ High temperature □ Very strong sunshine

□ Dryness last long days □ Soil is hard and difficult to till

□ River and wells is lack of water

2. Do you know the effects of drought? *(total 6 scores)*

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, which are they?

□ Crops burned □ Lack of water to drink/irrigate

□ Declining land productivity □ Increased production costs

□ Seeds don't germinate □ Food shortage/poor harvest

3. Do you know the causes of drought? (total 8 scores)

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, which factors are they?

□ Climate change

□ Deforestation

□ Silitation on the rivers

□ Over exploitation of underground water

□ There is no grass (for grazing)/soil is bare

□ Development of hydropower system

Farmers' experience of drought

4. Do you think the intensity of drought recent 10 years in Dakrong is changing?

□ (Yes) 1 score for correct answer □ (No or no idea) 0 score

If yes, what do you think?

□ Increase □ Decrease

5. Do you think the numbers of drought days in Dakrong are changing?

□ (Yes) 1 score for correct answer □ (No) 0 score

If yes, how do you think?

□ Increase □ Decrease

6. Do you know drought often occurs at what time in Dakrong district every year?

□ (Yes)1 score for correct answer □ (No) 0 score

If yes, which period?

□ April to July □ Another months

7. Do you know which is/are the hottest month(s) in Dakrong?

□ (Yes)1 score for correct answer □ (No) 0 score

If yes, which month?

□ June and July □ Another months

8. Do you know the difficulties when growing maize in dryness condition? (total 4 scores)

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, what are they?

□ Seeds cannot germinate □ Maize is withered

□ Maize grows slowly □ Low productivity when drought occur on maize flowing time

9. Do you think which kind of crops will be influenced strongest by drought in Dakrong district? (1 score for correct answer)

□ Rice □ Maize

□ Cassava □ Beans

□ Other crops

10. In your community, how do severe drought, moderate drought and mild drought impact on maize productivity? (1 score for correct answer)

Productivity reduction	Severe drought	Moderate drought	Mild drought
□	80-100%	40-70%	<40%
□	It is not in these intervals		

11. Do you know the measures to cope with drought in maize cultivation? (total 10 scores)

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, what are they?

□ Storing water for dry season □ Change amount of land

□ Change sowing day □ Cultivate one season

□ Water for maize □ Move to the different sites

□ Change to another crops □ Intercropping

□ Plant the drought resistance varieties □ Others*(specific)*

Farmers' drought memory

12. Have you ever been witnessed an extremely drought in Dakrong? (total 11 scores)

□ (Yes) 1 score for one correct answer □ (No) 0 score

If yes, which years it occurs?

Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Answers	□	□	□	□	□	□	□	□	□	□	□

13. Could you illustrate the characteristics of that most extremely drought?

□ (Yes)1 score □ (No) 0 score

If yes, what are characteristics?

.....

.....

.....

.....

14. Did you do anything in cultivating maize at that most extremely drought to cope with?

□ (Yes) 1 score □ (No) 0 score

If yes, what did you do?

1 .....

2. .....

3. .....

4. .....

15. Do you remember how much percent (or kg) of maize that your family lost in maize production at those years?

□ (Yes)1 score □ (No) 0 score

If yes, how much did you lose?

.....

.....

What did cause the lost?

.....

.....

16. Do you remember which plots of maize in your field lost most at those years?

□ (Yes)1 score □ (No) 0 score

If yes, why that plot lost most? Why?

.....

.....

Farmers' expectation to drought

17. Do you think temperature will (continue) change?

□ (Yes) 1 score for correct answer □ (No) 0 score

If yes, how does it change?

□ Increase □ Decrease

18. Do you think drought continue influencing to agricultural production in your farm?

□ (Yes) 1 score □ (No) 0 score

If yes, how will it influence?

□ Increase □ Decrease

19. Do you think maize continue to be influenced by drought?

□ (Yes) 1 scorefor correct answer □ (No) 0 score

If yes, how will it influence?

□ Increase □ Decrease

20. In case of severe drought occurs next years, do you know the measure to cope with?

□ (Yes) 1 score □ (No) 0 score

If yes, what will you do?

.....

.....

APPENDIX B

Results of Factor Analysis Using SPSS Version 22.

Descriptive Statistics			
	Mean	Std. Deviation	Analysis N
Age	44.55	12.37	180
Gender	0.6	0.491	180
Ethnic	0.42	0.494	180
Edu	4.54	3.618	180
MaiExp	22.69	12.706	180
HHTyp	0.69	0.464	180
HHSize	5.38	1.75	180
TtLab	2.6	1.107	180
Market	3.76	4.651	180
MaiLan	3.57	2.636	180
NFInc	9629.33	11196.58	180
MaInc	1989.56	2185.265	180
NorPro	144.39	48.194	180
DroPro	65.94	41.047	180
NumInf	2.59	1.213	180
Credit	0.53	0.5	180
PerLeve	2.07	0.626	180

Correlation Matrix

	Age	Gender	Ethnic	Edu	MaiExp	HHTyp	HHSize	TtLab	Market	MaiLan	NFInc	MaInc	NorPro	DroPro	NumInf	BorMon	PerLeve
Age	1	0.056	0.38	-0.037	0.843	0.105	0.107	0.237	-0.294	-0.05	0.165	-0.031	-0.008	-0.001	0.122	-0.003	0.234
Gender	0.056	1	0.092	0.208	0.03	0.162	0.183	0.064	-0.124	0.126	0.135	0.133	0.114	0.064	0.004	0.077	0.131
Ethnic	0.38	0.092	1	0.428	0.423	0.349	0.082	0.225	-0.602	-0.235	0.265	-0.019	0.174	0.214	0.213	0.203	0.408
Edu	-0.037	0.208	0.428	1	0.016	0.427	-0.068	0.062	-0.382	0.019	0.196	0.153	0.242	0.16	0.38	0.252	0.316
MaiExp	0.843	0.03	0.423	0.016	1	0.168	0.123	0.223	-0.294	-0.044	0.262	0.011	-0.037	-0.016	0.189	0.01	0.261
HHTyp	0.105	0.162	0.349	0.427	0.168	1	0.029	0.202	-0.224	0.028	0.187	0.138	0.26	0.141	0.248	0.237	0.405
HHSize	0.107	0.183	0.082	-0.068	0.123	0.029	1	0.439	-0.006	0.126	0.066	0.149	0.057	0.066	-0.053	-0.021	-0.01
TtLab	0.237	0.064	0.225	0.062	0.223	0.202	0.439	1	-0.152	0.025	0.168	0.026	0.094	0.004	0.097	0.054	0.139
Market	-0.294	-0.124	-0.602	-0.382	-0.294	-0.224	-0.006	-0.152	1	0.334	-0.22	0.156	-0.026	-0.039	-0.183	-0.133	-0.149
MaiLan	-0.05	0.126	-0.235	0.019	-0.044	0.028	0.126	0.025	0.334	1	-0.09	0.775	0.082	0.098	0.13	0.017	0.161
NonFInc	0.165	0.135	0.265	0.196	0.262	0.187	0.066	0.168	-0.22	-0.09	1	-0.042	0.009	-0.02	0.135	-0.017	0.261
MaInc	-0.031	0.133	-0.019	0.153	0.011	0.138	0.149	0.026	0.156	0.775	-0.042	1	0.335	0.321	0.177	0.095	0.261
NorPro	-0.008	0.114	0.174	0.242	-0.037	0.26	0.057	0.094	-0.026	0.082	0.009	0.335	1	0.476	0.064	0.129	0.233
DroPro	-0.001	0.064	0.214	0.16	-0.016	0.141	0.066	0.004	-0.039	0.098	-0.02	0.321	0.476	1	0	0.009	0.083
NumInf	0.122	0.004	0.213	0.38	0.189	0.248	-0.053	0.097	-0.183	0.13	0.135	0.177	0.064	0	1	0.29	0.466
BorMon	-0.003	0.077	0.203	0.252	0.01	0.237	-0.021	0.054	-0.133	0.017	-0.017	0.095	0.129	0.009	0.29	1	0.287
PerLeve	0.234	0.131	0.408	0.316	0.261	0.405	-0.01	0.139	-0.149	0.161	0.261	0.261	0.233	0.083	0.466	0.287	1

Anti-image Matrices

	Age	Gender	Ethnic	Edu	MaiExp	HHTyp	HHSize	TtLab	Market	MaiLan	NFInc	MaInc	NorPro	DroPro	NumInf	BorMon	PerLev
Age	0.262	-0.037	-0.009	0.043	-0.205	0.036	0.022	-0.046	0.043	-0.029	0.06	0.034	-0.03	-0.014	0.023	0.008	-0.038
Gender	-0.037	0.858	0.043	-0.104	0.03	-0.045	-0.152	0.058	0.071	-0.049	-0.082	0.014	-0.029	0.001	0.092	-0.034	-0.043
Ethnic	-0.009	0.043	0.405	-0.115	-0.052	-0.019	-0.041	-0.034	0.178	0.058	-0.009	-0.013	0.013	-0.108	0.065	-0.043	-0.136
Edu	0.043	-0.104	-0.115	0.546	0.023	-0.144	0.068	0.014	0.094	-0.027	-0.059	-0.008	-0.056	-0.001	-0.158	-0.034	0.026
MaiExp	-0.205	0.03	-0.052	0.023	0.249	-0.044	-0.025	0.017	-0.015	0.017	-0.085	-0.031	0.04	0.025	-0.05	0.018	0.017
HHTyp	0.036	-0.045	-0.019	-0.144	-0.044	0.684	0.028	-0.096	0.002	-0.001	-0.014	0.005	-0.068	-0.016	0.021	-0.065	-0.122
HHSize	0.022	-0.152	-0.041	0.068	-0.025	0.028	0.726	-0.31	-0.029	-0.002	-0.011	-0.046	0.013	-0.017	0.029	0.001	0.052
TtLab	-0.046	0.058	-0.034	0.014	0.017	-0.096	-0.31	0.697	0.041	-0.035	-0.061	0.043	-0.071	0.044	-0.044	0.002	0.013
Market	0.043	0.071	0.178	0.094	-0.015	0.002	-0.029	0.041	0.5	-0.078	0.037	0.035	-0.058	-0.036	0.041	0.018	-0.069
MaiLan	-0.029	-0.049	0.058	-0.027	0.017	-0.001	-0.002	-0.035	-0.078	0.296	0.02	-0.222	0.095	0.041	-0.021	0.023	-0.019
NonFInc	0.06	-0.082	-0.009	-0.059	-0.085	-0.014	-0.011	-0.061	0.037	0.02	0.809	0.015	0.019	0.018	0.009	0.105	-0.114
MaInc	0.034	0.014	-0.013	-0.008	-0.031	0.005	-0.046	0.043	0.035	-0.222	0.015	0.283	-0.118	-0.096	-0.011	-0.016	-0.031
NorPro	-0.03	-0.029	0.013	-0.056	0.04	-0.068	0.013	-0.071	-0.058	0.095	0.019	-0.118	0.626	-0.227	0.051	-0.037	-0.074
DroPro	-0.014	0.001	-0.108	-0.001	0.025	-0.016	-0.017	0.044	-0.036	0.041	0.018	-0.096	-0.227	0.681	0.011	0.062	0.063
NumInf	0.023	0.092	0.065	-0.158	-0.05	0.021	0.029	-0.044	0.041	-0.021	0.009	-0.011	0.051	0.011	0.649	-0.122	-0.203
BorMon	0.008	-0.034	-0.043	-0.034	0.018	-0.065	0.001	0.002	0.018	0.023	0.105	-0.016	-0.037	0.062	-0.122	0.824	-0.072
PerLeve	-0.038	-0.043	-0.136	0.026	0.017	-0.122	0.052	0.013	-0.069	-0.019	-0.114	-0.031	-0.074	0.063	-0.203	-0.072	0.536

Age	.597[a]	-0.079	-0.027	0.113	-0.8	0.085	0.051	-0.108	0.118	-0.105	0.131	0.126	-0.075	-0.033	0.056	0.018	-0.102
Gender	-0.079	.620[a]	0.073	-0.153	0.064	-0.059	-0.192	0.075	0.109	-0.097	-0.098	0.028	-0.04	0.001	0.124	-0.041	-0.063
Ethnic	-0.027	0.073	.777[a]	-0.245	-0.164	-0.035	-0.076	-0.064	0.396	0.167	-0.015	-0.04	0.025	-0.206	0.126	-0.075	-0.291
Edu	0.113	-0.153	-0.245	.776[a]	0.063	-0.235	0.108	0.023	0.181	-0.067	-0.089	-0.02	-0.097	-0.002	-0.265	-0.05	0.049
MaiExp	-0.8	0.064	-0.164	0.063	.616[a]	-0.107	-0.058	0.041	-0.043	0.062	-0.19	-0.116	0.102	0.062	-0.123	0.039	0.047
HHTyp	0.085	-0.059	-0.035	-0.235	-0.107	.847[a]	0.04	-0.139	0.003	-0.003	-0.018	0.01	-0.103	-0.023	0.031	-0.087	-0.201
HHSize	0.051	-0.192	-0.076	0.108	-0.058	0.04	.537[a]	-0.435	-0.047	-0.005	-0.014	-0.101	0.019	-0.024	0.043	0.002	0.084
TtLab	-0.108	0.075	-0.064	0.023	0.041	-0.139	-0.435	.626[a]	0.069	-0.077	-0.082	0.097	-0.107	0.064	-0.065	0.003	0.022
Market	0.118	0.109	0.396	0.181	-0.043	0.003	-0.047	0.069	.756[a]	-0.203	0.058	0.094	-0.105	-0.062	0.072	0.028	-0.134
MaiLan	-0.105	-0.097	0.167	-0.067	0.062	-0.003	-0.005	-0.077	-0.203	.548[a]	0.041	-0.769	0.221	0.091	-0.047	0.047	-0.048
NonFInc	0.131	-0.098	-0.015	-0.089	-0.19	-0.018	-0.014	-0.082	0.058	0.041	.765[a]	0.032	0.026	0.024	0.012	0.129	-0.174
MaInc	0.126	0.028	-0.04	-0.02	-0.116	0.01	-0.101	0.097	0.094	-0.769	0.032	.573[a]	-0.281	-0.219	-0.025	-0.034	-0.08
NorPro	-0.075	-0.04	0.025	-0.097	0.102	-0.103	0.019	-0.107	-0.105	0.221	0.026	-0.281	.636[a]	-0.347	0.08	-0.051	-0.128
DroPro	-0.033	0.001	-0.206	-0.002	0.062	-0.023	-0.024	0.064	-0.062	0.091	0.024	-0.219	-0.347	.642[a]	0.016	0.082	0.104
NumInf	0.056	0.124	0.126	-0.265	-0.123	0.031	0.043	-0.065	0.072	-0.047	0.012	-0.025	0.08	0.016	.710[a]	-0.166	-0.344
BorMon	0.018	-0.041	-0.075	-0.05	0.039	-0.087	0.002	0.003	0.028	0.047	0.129	-0.034	-0.051	0.082	-0.166	.799[a]	-0.108
PerLeve	-0.102	-0.063	-0.291	0.049	0.047	-0.201	0.084	0.022	-0.134	-0.048	-0.174	-0.08	-0.128	0.104	-0.344	-0.108	.753[a]

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.707	20.594	20.594	3.707	20.594	20.594	2.576	14.31	14.31
2	2.472	13.734	34.328	2.472	13.734	34.328	2.237	12.426	26.736
3	1.842	10.234	44.561	1.842	10.234	44.561	2.23	12.39	39.126
4	1.454	8.078	52.639	1.454	8.078	52.639	1.825	10.139	49.265
5	1.257	6.982	59.621	1.257	6.982	59.621	1.483	8.241	57.506
6	1.022	5.677	65.298	1.022	5.677	65.298	1.403	7.792	65.298
7	0.943	5.24	70.538						
8	0.868	4.824	75.362						
9	0.732	4.069	79.431						
10	0.686	3.813	83.244						
11	0.592	3.29	86.534						
12	0.525	2.914	89.448						
13	0.443	2.459	94.746						
14	0.383	2.128	96.874						
15	0.266	1.479	98.353						
16	0.167	0.927	99.279						
17	0.13	0.721	100						

Extraction Method: Principal Component Analysis.

Communalities

	Initial	Extraction
Age	1	0.859
Gender	1	0.646
Ethnic	1	0.688
Edu	1	0.662
MaiExp	1	0.879
HHTyp	1	0.46
HHSize	1	0.696
TtLab	1	0.725
Market	1	0.628
MaiLan	1	0.821
NonFInc	1	0.419
MaInc	1	0.819
NorPro	1	0.654
DroPro	1	0.696
NumInf	1	0.564
BorMon	1	0.518
PerLeve	1	0.616

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component					
	1	2	3	4	5	6
Age	0.511	-0.371	0.554	0.045	-0.389	-0.015
Gender	0.265	0.184	0.044	-0.195	0.364	-0.607
Ethnic	0.764	-0.257	-0.098	-0.139	-0.059	0.079
Edu	0.598	0.162	-0.475	0.034	0.158	-0.162
MaiExp	0.563	-0.356	0.543	0.108	-0.357	-0.042
HHTyp	0.606	0.163	-0.187	0.021	0.163	0.061
HHSize	0.157	0.109	0.517	-0.405	0.459	0.132
TtLab	0.373	-0.035	0.439	-0.207	0.465	0.365
Market	-0.589	0.444	0.227	0.146	-0.033	0.101
MaiLan	-0.005	0.776	0.36	0.19	-0.103	-0.204
NonFInc	0.416	-0.177	0.101	0.069	0.228	-0.384
MaInc	0.212	0.816	0.218	-0.005	-0.209	-0.129
NorPro	0.347	0.437	-0.206	-0.474	-0.201	0.19
DroPro	0.25	0.379	-0.139	-0.575	-0.355	0.115
NumInf	0.509	0.163	-0.139	0.5	-0.024	0.093
BorMon	0.354	0.176	-0.266	0.313	0.193	0.394
PerLeve	0.657	0.242	-0.005	0.35	-0.039	0.041

Extraction Method: Principal Component Analysis.

a. 6 components extracted.

Rotated Component Matrix[a]

	Component					
	1	2	3	4	5	6
Age	0.025	0.919	-0.056	-0.003	0.107	0.009
Gender	0.001	-0.069	0.115	0.065	0.119	0.781
Ethnic	0.443	0.433	-0.412	0.283	0.128	0.194
Edu	0.612	-0.1	-0.167	0.252	-0.111	0.417
MaiExp	0.097	0.925	-0.039	-0.039	0.097	0.053
HHTyp	0.573	0.051	-0.069	0.225	0.141	0.231
HHSize	-0.138	0.057	0.112	0.098	0.787	0.181
TtLab	0.169	0.171	-0.049	0.008	0.815	0.025
Market	-0.288	-0.303	0.582	-0.126	-0.007	-0.313
MaiLan	0.066	0.009	0.887	0.119	-0.008	0.126
NonFInc	0.175	0.25	-0.109	-0.157	0.083	0.532
MaInc	0.18	0.053	0.764	0.425	-0.008	0.138
NorPro	0.193	-0.058	0.059	0.776	0.088	-0.007
DroPro	-0.007	0.028	0.058	0.831	0.009	-0.023
NumInf	0.706	0.168	0.125	-0.079	-0.122	0.016
BorMon	0.674	-0.139	-0.024	-0.007	0.112	-0.174
PerLeve	0.687	0.29	0.193	0.075	-0.001	0.132

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 9 iterations.

Component Transformation Matrix

Component	1	2	3	4	5	6
1	0.686	0.504	-0.151	0.307	0.186	0.351
2	0.226	-0.364	0.801	0.416	0.029	0.046
3	-0.352	0.581	0.464	-0.229	0.52	-0.02
4	0.498	0.092	0.293	-0.712	-0.347	-0.173
5	0.165	-0.513	-0.118	-0.397	0.63	0.376
6	0.28	-0.072	-0.144	0.126	0.421	-0.838

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

Component Score Coefficient Matrix

	Component					
	1	2	3	4	5	6
Age	-0.085	0.461	0.046	0.01	-0.033	-0.074
Gender	-0.128	-0.095	0.072	-0.047	0.007	0.659
Ethnic	0.103	0.12	-0.173	0.129	0.044	0.003
Edu	0.204	-0.143	-0.077	0.049	-0.098	0.241
MaiExp	-0.054	0.456	0.06	-0.026	-0.045	-0.044
HHTyp	0.208	-0.07	-0.039	0.047	0.081	0.059
HHSize	-0.102	-0.054	0.016	0.037	0.536	0.088
TtLab	0.072	-0.035	-0.053	-0.03	0.575	-0.106
Market	-0.038	-0.058	0.243	-0.051	0.031	-0.16
MaiLan	-0.003	0.067	0.419	0	-0.071	0.124
NonFInc	-0.01	0.053	-0.002	-0.161	-0.013	0.41
MaInc	0.007	0.072	0.347	0.18	-0.075	0.077
NorPro	0.007	-0.043	-0.028	0.447	0.055	-0.117
DroPro	-0.105	0.035	-0.022	0.51	-0.016	-0.1
NumInf	0.329	0.037	0.087	-0.139	-0.105	-0.09
BorMon	0.373	-0.148	-0.035	-0.074	0.129	-0.263
PerLeve	0.271	0.087	0.119	-0.058	-0.051	-0.02

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

APPENDIX C

Result of Mutinomial Logit Model Using Limdep Software (2003)

```
+-----------------------------------------+
| Multinomial Logit Model                 |
| Maximum Likelihood Estimates            |
| Model estimated: Nov 08, 2014 at 05:33:49PM.|
| Dependent variable                 ADAP |
| Weighting variable                 None |
| Number of observations              180 |
| Iterations completed                  8 |
| Log likelihood function        -144.1456|
| Number of parameters                 21 |
| Info. Criterion: AIC =           1.83495|
|   Finite Sample: AIC =           1.86744|
| Info. Criterion: BIC =           2.20746|
| Info. Criterion:HQIC =           1.98599|
| Restricted log likelihood      -244.4621|
| McFadden Pseudo R-squared       .4103559|
| Chi squared                     200.6329|
| Degrees of freedom                   18 |
| Prob[ChiSqd> value] =          .0000000 |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Characteristics in numerator of Prob[Y = 1]					
Constant	1.98703717	.70990888	2.799	.0051	
FACT1	4.20416945	.93550211	4.494	.0000	.166667D-06
FACT2	.56821240	.40520882	1.402	.1608	.222222D-06
FACT3	2.47774976	.64329154	3.852	.0001	-.111111D-06
FACT4	.38686034	.38112929	1.015	.3101	.333333D-06
FACT5	-.71797667	.46815168	-1.534	.1251	-.555556D-07
FACT6	1.23883991	.43284118	2.862	.0042	-.333333D-06
Characteristics in numerator of Prob[Y = 2]					
Constant	2.54567987	.69885455	3.643	.0003	
FACT1	4.54344664	.92311685	4.922	.0000	.166667D-06
FACT2	.89941159	.38222230	2.353	.0186	.222222D-06
FACT3	.86699443	.64461328	1.345	.1786	-.111111D-06

```
 FACT4   |     .53443306      .35282466     1.515   .1298  .333333D-06
 FACT5   |    -.83422798      .43422986    -1.921   .0547 -.555556D-07
 FACT6   |    1.32157617      .40691339     3.248   .0012 -.333333D-06
---------+Characteristics in numerator of Prob[Y = 3]
 Constant|    2.15880894      .70722969     3.052   .0023
 FACT1   |    5.80514904      .95955368     6.050   .0000  .166667D-06
 FACT2   |    1.19404802      .40566397     2.943   .0032  .222222D-06
 FACT3   |    2.15720602      .64695314     3.334   .0009 -.111111D-06
 FACT4   |     .61205261      .38138936     1.605   .1085  .333333D-06
 FACT5   |    -.59552765      .45141158    -1.319   .1871 -.555556D-07
 FACT6   |    1.65953952      .43066503     3.853   .0001 -.333333D-06
+--------------------------------------------------------------------+
| Information Statistics for Discrete Choice Model.                  |
|                          M=Model MC=Constants Only   M0=No Model |
| Criterion F (log L)     -144.14562        -244.46206    -249.53299 |
| LR Statistic vs. MC      200.63288           .00000        .00000 |
| Degrees of Freedom        18.00000           .00000        .00000 |
| Prob. Value for LR          .00000           .00000        .00000 |
| Entropy for probs.        144.14562         244.46206     249.53299 |
| Normalized Entropy            .57766           .97968       1.00000 |
| Entropy Ratio Stat.       210.77473         10.14185        .00000 |
| Bayes Info Criterion        2.12091          3.23554       3.29188 |
| BIC(no model) - BIC         1.17097           .05634        .00000 |
| Pseudo R-squared             .41036           .00000        .00000 |
| Pct. Correct Pred.         66.66667           .00000      25.00000 |
| Means:       y=0    y=1    y=2    y=3    y=4    y=5     y=6   y>=7 |
| Outcome     .2556  .1556  .2944  .2944  .0000  .0000  .0000  .0000 |
| Pred.Pr     .2556  .1556  .2944  .2944  .0000  .0000  .0000  .0000 |
| Notes: Entropy computed as Sum(i)Sum(j)Pfit(i,j)*logPfit(i,j).     |
|        Normalized entropy is computed against M0.                  |
|        Entropy ratio statistic is computed against M0.             |
|        BIC = 2*criterion - log(N)*degrees of freedom.              |
|        If the model has only constants or if it has no constants,  |
|        the statistics reported here are not useable.               |
+----------------------------------------+
| Partial derivatives of probabilities with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs.  |
| A full set is given for the entire set of |
```

```
| outcomes, ADAP     = 0 to ADAP     =  3.  |
| Probabilities at the mean vector are      |
|  0= .034 1= .246 2= .429 3= .292          |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Elasticity
Marginal effects on Prob[Y = 0]					
Constant	-.07439525	.02514298	-2.959	.0031	
FACT1	-.15737378	.07596574	-2.072	.0383	-.779174D-06
FACT2	-.02941147	.01927841	-1.526	.1271	-.194159D-06
FACT3	-.05417831	.02641319	-2.051	.0402	.178828D-06
FACT4	-.01692682	.01175805	-1.440	.1500	-.167613D-06
FACT5	.02383343	.01468016	1.624	.1045	-.393339D-07
FACT6	-.04562303	.02394964	-1.905	.0568	.451769D-06
Marginal effects on Prob[Y = 1]					
Constant	-.05475198	.04539912	-1.206	.2278	
FACT1	-.11561401	.07385642	-1.565	.1175	-.784789D-07
FACT2	-.07501041	.04849000	-1.547	.1219	-.678895D-07
FACT3	.21319335	.05036387	4.233	.0000	-.964773D-07
FACT4	-.02847626	.04475237	-.636	.5246	-.386594D-07
FACT5	-.00244700	.04779112	-.051	.9592	.553675D-09
FACT6	-.02859599	.04847624	-.590	.5553	.388220D-07
Marginal effects on Prob[Y = 2]					
Constant	.14408090	.06889169	2.091	.0365	
FACT1	-.05648921	.08493471	-.665	.5060	-.219327D-07
FACT2	.01103042	.05012680	.220	.8258	.571028D-08
FACT3	-.31870938	.07521556	-4.237	.0000	.824956D-07
FACT4	.01356227	.05287976	.256	.7976	.105315D-07
FACT5	-.05418027	.05312259	-1.020	.3078	.701208D-08
FACT6	-.01447885	.05120637	-.283	.7774	.112432D-07
Marginal effects on Prob[Y = 3]					
Constant	-.01493367	.05752323	-.260	.7952	
FACT1	.32947700	.05691341	5.789	.0000	.188351D-06
FACT2	.09339146	.04161965	2.244	.0248	.711850D-07
FACT3	.15969434	.05305476	3.010	.0026	-.608613D-07
FACT4	.03184081	.04321422	.737	.4612	.364047D-07
FACT5	.03279384	.04043570	.811	.4174	-.624905D-08
FACT6	.08869787	.04213385	2.105	.0353	-.101411D-06

Marginal Effects Averaged Over Individuals

Variable	Y=00	Y=01	Y=02	Y=03
ONE	-.1318	.0117	.1271	-.0070
FACT1	-.2650	-.0026	.0348	.2328
FACT2	-.0475	-.0298	.0126	.0648
FACT3	-.0932	.1233	-.1445	.1145
FACT4	-.0284	-.0081	.0141	.0224
FACT5	.0436	-.0160	-.0489	.0212
FACT6	-.0771	.0023	.0120	.0629

Averages of Individual Elasticities of Probabilities

Variable	Y=00	Y=01	Y=02	Y=03
ONE	-1.6943	.2927	.8514	.4645
FACT1	-1.6186	-1.6186	-1.6186	-1.6186
FACT2	-.0761	-.0761	-.0761	-.0761
FACT3	-.3005	-.3005	-.3005	-.3005
FACT4	-.0111	-.0111	-.0111	-.0111
FACT5	-.0061	-.0061	-.0061	-.0061
FACT6	-.1199	-.1199	-.1199	-.1199

Frequencies of actual & predicted outcomes

Predicted outcome has maximum probability.

	Predicted				
Actual	0	1	2	3	Total
0	39	3	4	0	46
1	4	13	4	7	28
2	4	1	34	14	53
3	1	2	16	34	53
Total	48	19	58	55	180

CURRICULUM VITAE

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