APPENDIX:

A.1 The Environmental Values and Attitudes Survey 1993

The Survey has been made by Norwegian Social Science Dataservice in spring 1993. The Sampling is based on a simple random sample[1] of persons in ages 16 to 79 years in december 1992 from the Central Personal Register , which contains information of all legal residents of Norway. This allows for a good sampling frame of the population, not available in many countries. The Data has been collected by mail enquete by NSD in the period from 10. february to 30.april 1993. A reminder were sent out in 17th of february and a new questionnaire with a request for answering were sent 3rd of March and 12th of March.

As we can see in Table 4.1, the sample consists of 1414 persons, which must be viewed as adequate for most purposes, even if it does not allow for a extensive analysis of subpopulations. Which is unfortunate, since analysis of subpopulations is often a efficient technique to examine nonlinear relations, and the limitations a theory has. We can also se that the adjusted sampling rate is 63.3%, which is satisfactory and in the range of where most of the mail-enquete surveys are.
The Survey seems also to be well representative for the population.

A. Brute-sample			2300
B. Missing			-886
1.	Refusal	101	
2.	Death, sickness, familymatters	21	
3.	Returned by the Postal Service, moved abroad	48	
4.	Schema refused	11	
5.	No contact	705	
C. Net-sample			**1414**
responcerate based on brute-sample			61.4 %

Table A.1 : **Responce to the Survey**

[1] Simple Random Sample is a makes many of the subsequent analytic techniques much easier, than if there had been used other probability sampling techniques like, multistage (or cluster), or probability proportional to size sampling. Had there been used a nonprobability technique it would have been impossible to use statistical theory to examine the properties of the estimators used, and thereby estimate the precision of the results achieved. (Kalton, 1985, chp 1-2, p.90)

A.2 RECODING

```
COMMENT   THIS IS SYNTAX FILE FOR RECODING MILJÏ94 SURVEY FOR
          THE CULTURAL THEORY AND THE THREE DIFFERENT STRATEGIES
          LOOK FOR OWN FILES FOR EACH STRATEGY,  HERE I DEVELOPE THE
          COMMON VARIABLES
          started 16.8.94.

GET
  FILE='d:\H\DATAFIL\MILJÏ93.SAV'.

Comment RECODING to make positive attitude to the culture to 1  c for culture,
        second letter to identify bias.
RECODE
  p99 p100 p101 p102 p103 p104 p105 p106 p107 p108 p109
  (1=1) (2=0.75)  (3=0.5) (4=0.25)  (5=0) (MISSING=SYSMIS)  (ELSE=SYSMIS)
  INTO  ch1  ci3  ce1 ci1  ce2  cf1  ch2  ci2  ce3  cf2 ce4.


* The statement is reversed in order to provide proper direction for fatalism.
RECODE
  p109
  (1=0) (2=0.25)  (3=0.5) (4=0.75)  (5=1) (MISSING=SYSMIS)  (ELSE=SYSMIS)
  INTO cf3.

VARIABLE LABELS ch1  "One of the problems with people today/ challenge authority too often"
               ci3 "In a fair system, people with more ability should earn more"
               ce1 "The world needs a fairn revn/distrib of goods more equal"
               ci1 "Everyone should have an eq chance succ/fail WOUT gvmnt intrf"
               ce2 "I sprt a t-shift/brdn falls m/heavily on corp&pers lrg incs"
               cf1 "Cooperation with others rarely works"
               ch2 "The b way to provide for ftr gen is to prsrv our cstms/hrtg"
               ci2 "If pepl have vsn/ ablt to acq prop, ought tb allwd t enj it"
               ce3 "Big corps are responsible for most of the evil in the world"
               cf2 "It seems that whomever u vote for thngs goon prtty m thesame"
               cf3 "No Consumer can them selves help to solve envir. problems"
               ce4 "Consumers can them selves help to solve envir. problems".
 VALUE LABELS ch1 to ce4
  0 "disagree strongly"
  0.25 "disagree"
  0.5 "neither"
  0.75 "agree"
  1 "agree strongly"
 .


** THE CULTURAL BIAS INDEXES 18011995 First every question is standardized and
then the Z-scores are averadged   .

DESCRIPTIVES
  VARIABLES=ch1 ch2 ci1 ci2 ci3 ce1 ce2 ce3 cf1 cf2  /SAVE
  /FORMAT=LABELS NOINDEX
  /STATISTICS=MEAN STDDEV MIN MAX
  /SORT=MEAN (A) .

COMPUTE hierarch = MEAN(Zch1, Zch2) .
VARIABLE LABELS hierarch 'Hierarchy' .

COMPUTE Individu = MEAN(Zci1, Zci2,zci3) .
VARIABLE LABELS Individu 'Individualism' .

COMPUTE Egalitar = MEAN(Zce1, Zce2) .
VARIABLE LABELS Egalitar 'Egalitarianism' .

COMPUTE Fatalism = MEAN(Zcf1, Zcf2, Zce3) .
VARIABLE LABELS Fatalism 'Fatalism' .


* Cultural bias categorized in 4 mutually exclusive categories (for the coherent individual).
STRING cultbiaZ (A8).
IF (MAX(hierarch, Individu,  Fatalism, Egalitar) = hierarch)  cultbiaz = "hierarch" .
IF (MAX(hierarch, Individu,  Fatalism, Egalitar) = Individu)  cultbiaz = "individu" .
IF (MAX(hierarch, Individu,  Fatalism, Egalitar) = Egalitar)  cultbiaz = "egalitar" .
IF (MAX(hierarch, Individu,  Fatalism, Egalitar) = Fatalism)  cultbiaz = "fatalism" .
```

```
IF (cultbiaz  ='') cultbiaz = "missing" .
VARIABLE LABELS cultbiaz 'Cultbias from Z cultmeans' .

*** Defined to exclude string 'missing' from the analysis.
MISSING VALUES
  cultbiaz   ('missing' 'uklar/he') .
Execute.




********* Education measured in Years, if it is possible at all.

* RECODE
     almenutd
     (1=6) (2=8) (3=9) (4=10) (5=12) (6=12) INTO educyear.
* RECODE
    yrkesutd
    (1=9) (2=12) INTO educyear.
* RECODE
  uniutd
  (1=13)  (2=15)  (3=17)  INTO  educyear .

RENAME VARIABLE p157 = EducYear .
COMPUTE Educyear = educyear/10.

VARIABLE LABELS educyear 'Education in years'.
RENAME VARIABLE
    faar=brthyear
    kj=Gender
    uniutd=EducUniv
    almenutd=EducGene
    yrkesutd=EducCrft.

RECODE
    Gender
    (1=0) (2=1) into Gender.
VALUE LABELS
    Gender
     0 'male'  1 'female'.

VARIABLE LABELS
    brthyear 'Year of Birth'
    Gender 'Gender (f=1)'
    EducUniv 'University Education 3 levels'
    EducCrft 'A Craftsmans Education'
    EducGene 'Compulsory Education'.

**** Party Preferance in one variable and a series of Dummies.
RECODE
  p176
   (1=1)   (2=3)   (3=8)   (4=7)   (5=6)   (6=4) (7=2)
   (8=5)   (9=9) (10=10) (11=11)  INTO  Partyprf .
VARIABLE LABELS Partyprf 'Vote if today'.
VALUE LABELS Partyprf
    1  'RV'  2  'SV'   3 'DNA'    4 'Sp'
    5  'V'    6  'Krf'   7  'H'
    8  'Frp'    9  'Other'       10  "DontKnow"
    11  'Wontvote'  .

RECODE
  Partyprf
  (1=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_RV .
VARIABLE LABELS pref_RV 'R°d valgalianse'.

RECODE
  Partyprf
  (2=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_sv .
VARIABLE LABELS pref_SV 'Socialistic Left'.
VALUE LABELS pref_SV 0 'Other' 1'SV'.

RECODE
  Partyprf
  (3=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_DNA .
VARIABLE LABELS pref_DNA 'Labor Party'.
```

```
VALUE LABELS pref_DNA 0 'Other' 1 'DNA'.

RECODE
  Partyprf
  (4=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_SP .
VARIABLE LABELS pref_SP 'Agrarian Party'.
VALUE LABELS pref_SP 0 'Other' 1 'SP'.

RECODE
  Partyprf
  (5=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_V .
VARIABLE LABELS pref_V 'Liberal'.
VALUE LABELS pref_V 0 'Other' 1 'V'.

RECODE
  Partyprf
  (6=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_Krf .
VARIABLE LABELS pref_Krf 'Christian Party'.
VALUE LABELS pref_Krf 0 'Other' 1 'Krf'.

RECODE
  Partyprf
  (7=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_H .
VARIABLE LABELS pref_H 'Conservative Party'.
VALUE LABELS pref_H 0 'Other' 1 'H'.

RECODE
  Partyprf
  (8=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_Frp .
VARIABLE LABELS pref_Frp 'Progress Party'.
VALUE LABELS pref_Frp 0 'Other' 1 'Frp'.

RECODE
  Partyprf
  (9=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_Oth .
VARIABLE LABELS pref_Oth 'Some other Party'.
VALUE LABELS pref_Oth 0 'Other' 1 'Some Other'.

RECODE
  Partyprf
  (10=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_Don .
VARIABLE LABELS pref_Don 'Dont Know'.
VALUE LABELS pref_Don 0 'Other' 1 'Dont Know'.

RECODE
  Partyprf
  (11=1)  (SYSMIS=SYSMIS)  (ELSE=0)  INTO  pref_Won .
VARIABLE LABELS pref_Won 'Wont Vote'.
VALUE LABELS pref_Won 0 'Other' 1 'Wont vote'.


RENAME VARIABLE p174 = LeftRigh.
RENAME VARUABLE p173 = Class.

RECODE
    p134
     (1=1) (2=1) (3=0) (4=0) (5=0) INTO Private.
VALUE LABELS Private
    1 'Private sector' 0 'Public sector'.
VARIABLE LABEL Private 'Sector of employment Dummy'.

STRING sector (A8) .
DO IF (p125 = 1) .
RECODE
  p127_1
  ('0'='0')  ('1'='1')  ('2'='2')  ('3'='3')  ('4'='4')  ('5'='5')
  ('6'='6')  ('7'='7')  ('8'='8')  ('9'='9')  ('A'='A')  ('X'='X')  INTO
  sector .
END IF .


DO IF (p125 =2) .
RECODE
  p137_1
  ('0'='0')  ('1'='1')  ('2'='2')  ('3'='3')  ('4'='4')  ('5'='5')
  ('6'='6')  ('7'='7')  ('8'='8')  ('9'='9')  ('A'='A')  ('X'='X')  INTO
```

```
  sector .
END IF .

VARIABLE LABELS sector 'Sector of employment'.
VALUE LABELS
    Sector
        '0'='Tech., Hum, Scient.'
        '1'= 'Administration'
        '2'= 'Officework'
        '3'= 'Trade'
        '4'= 'Farm., Forrest, Fish,
        '5'= 'Mining'
        '6'= 'Post., Transport., Kommun.'
        '7'= 'Industry'
        '8'= 'Industry'
        '9'= 'Services'
        'A'= 'Military'
        'X'='Unclassifiable'.


RECODE
  leftrigh
  (1 thru 3=-1)  (4 thru 7=0)  (8 thru 10=1)  INTO  L_or_R .
VARIABLE LABELS L_or_R 'Left or Right'.
Value LABELS
    L_or_R
       -1 = 'Leftist'
        0 = 'ambiguous'
        1 = 'Right-wing'.

RENAME VARIABLES alder=age.
STRING agegrp (A8) .
RECODE
  age
   (Lowest thru 30='younger') (30 thru 50='middle')  (50 thru Highest='older')   INTO  agegrp .
VARIABLE LABELS agegrp 'Age Groups'.

RECODE
  agegrp
  ('younger'=1)  ('middle'=2)  ('older'=3)  (ELSE=SYSMIS)  INTO  agegrp_n .
VARIABLE LABELS agegrp_n 'Agegroups  numbered'.


RECODE
  age
  (30 thru 40=3)  (Lowest thru 30=2)  (40 thru 50=4)  (50 thru 60=5)  (60
  thru 70=6)  (70 thru Highest=7)  INTO  age_6 .
VARIABLE LABELS age_6 'Age in 6 categories'.
VALUE LABELS AGE_6
 2 '<30'
 3 '>30'
 4 '>40'
 5 '>50'
 6 '>60'
 7 '>70'.


EXECUTE .

RENAME VARIABLES p178=income_P.
RENAME VARIABLES p179=income_H.

RENAME VARiABLES status=position.
VARIABLE LABELS position 'Position in jobb/sosial life'.
VALUE LABELS
   position 1='Unskil.labor'
            2='Skilled labor'
            3='Non-man. unskil.'
            4='Non-man. school'
            5='Non-man. college'
            6='Non-man. univers'
            7='Agric.Fish.'
            8='Selfempl.'
            9='Unklas.jobb'
            10='Retired'
            11='Student'
```

```
            12='soc.sec.,Unempl.'
            13='Homework.' .


RENAME Variables p140=soclposi.
VARIABLE LABEL soclposi 'Social Position'.
Value labels  soclposi
        1='working'
        2='student'
        3='retired'
        4='sos.support'
        5='work home'
        6='unemployed'
        7='other'.

COMPUTE BIAS_SUM = hierarch+individu+egalitar+fatalism .
EXECUTE .



***  RECODINGS FOr the SEQUENTIAL INDIVIDUAL APPROACH.


*** single culture addherents  in top 30% of own culture and
    not in the top 40 % of other cultures .

STRING monohier (A8).
IF ((hierarch >0.454) & (Individu <0.192 ) & (Egalitar <0.40 )
 & ( Fatalism <0.124)) monohier = 'monohier' .
STRING monoindi (A8).
IF ((Hierarch < 0.054) & (Individu >0.401) & (Egalitar <0.40)
 & ( Fatalism <0.124)) monoindi = 'monoindi' .
STRING monoegal (A8).
IF ((Hierarch < 0.054) & (Individu <0.192) & (Egalitar >= 0.481)
 & ( Fatalism <0.124)) monoegal = 'monoegal' .
STRING monofata (A8).
IF ((Hierarch < 0.054) & (Individu <0.192) & (Egalitar <0.40)
 & ( Fatalism >0.334)) monofata = 'monofata' .


RECODE
  monohier monoindi monoegal monofata  (' '='other')  .



*** double culture addherents in 30% of two cultures and
   not in the topp 40% of the others in separate variables   .


STRING bi_HI (A8).
IF ((Hierarch > 0.454) & (Individu >0.401) & (Egalitar <0.40 )
 & ( Fatalism <0.124)) bi_HI = 'bi_HI' .

STRING bi_HE (A8).
IF ((Hierarch >  0.454) & (Egalitar > 0.481 ) & (Individu <0.192 )
 & ( Fatalism <0.124)) bi_HE = 'bi_HE' .

STRING bi_HF (A8).
IF ((Hierarch >  0.454) & ( Fatalism >0.334 ) & (Egalitar <0.40 )
 & (Individu <0.192)) bi_HF = 'bi_HF' .

STRING bi_IE (A8).
IF ((Individu >  0.401) & (Egalitar >0.481 ) & (Hierarch <0.054 )
 & ( Fatalism <0.124)) bi_IE = 'bi_IE' .

STRING bi_IF (A8).
IF ((Individu > 0.401) & ( Fatalism >0.334 ) & (Hierarch <0.054 )
 & (Egalitar <0.40)) bi_IF = 'bi_IF' .

STRING bi_EF (A8).
IF ((Egalitar > 0.481) & ( Fatalism >0.334 ) & (hierarch <0.25 )
 & (Individu <0.25)) bi_EF = 'bi_EF' .


** triple and quadraple combinations.
```

```
** no F.
STRING tri_HIE (A8).
IF ((Egalitar > 0.481) & ( Fatalism <0.124 ) & (hierarch >0.454 )
 & (Individu >0.401))tri_HIE = 'tri_HIE' .
** no E.
STRING tri_HIF (A8).
IF ((Egalitar < 0.40) & ( Fatalism >0.334 ) & (hierarch >0.454 )
 & (Individu >0.401))  tri_HIF = 'tri_HIF' .
** no I.
STRING tri_HEF (A8).
IF ((Egalitar > 0.481) & ( Fatalism >0.334 ) & (hierarch >0.454 )
 & (Individu < 0.192))  tri_HEF = 'tri_HEF' .
** no H.
STRING tri_IEF (A8).
IF ((Egalitar > 0.481) & ( Fatalism >0.334 ) & (hierarch < 0.054 )
 & (Individu > 0.401))  tri_IEF = 'tri_IEF' .

** This is the autonomous, or heremit group.
STRING q_HIEF (A8).
IF ((Egalitar > 0.481) & ( Fatalism >0.334 ) & (hierarch > 0.454 )
 & (Individu > 0.401))  q_HIEF = 'q_HIEF' .


***** Cultural bias: single and Dual.

STRING Culture  (A8).
IF monohier  ='monohier' culture = 'monohier'.
IF  monoindi ='monoindi' culture = 'monoindi'.
IF  monoegal ='monoegal' culture = 'monoegal'.
IF  monofata ='monofata' culture = 'monofata'.
IF  bi_HI ='bi_HI' culture = 'bi_HI'.
IF  bi_HE ='bi_HE' culture = 'bi_HE'.
IF  bi_HF ='bi_HF' culture = 'bi_HF'.
IF  bi_IE ='bi_IE' culture = 'bi_IE'.
IF  bi_IF ='bi_IF' culture = 'bi_IF'.
IF  bi_EF ='bi_EF' culture = 'bi_EF'.

VARIABLE LABELS culture 'Cultural bias single and combinations'.
MISSING VALUES  Culture (" ").

***** Cultural bias: mono, bi and tri_ cultural.

STRING Culture3  (A8).
IF  monohier ='monohier' Culture3 = 'mono_H'.
IF  monoindi ='monoindi' Culture3 = 'mono_I'.
IF  monoegal ='monoegal' Culture3 = 'mono_E'.
IF  monofata ='monofata' Culture3 = 'mono_F'.
IF  bi_HI ='bi_HI' Culture3 = 'bi_HI'.
IF  bi_HE ='bi_HE' Culture3 = 'bi_HE'.
IF  bi_HF ='bi_HF' Culture3 = 'bi_HF'.
IF  bi_IE ='bi_IE' Culture3 = 'bi_IE'.
IF  bi_IF ='bi_IF' Culture3 = 'bi_IF'.
IF  bi_EF ='bi_EF' Culture3 = 'bi_EF'.
IF  tri_HIE ='tri_HIE' Culture3 = 'tri_HIE'.
IF  tri_HIF ='tri_HIF' Culture3 = 'tri_HIF'.
IF  tri_HEF ='tri_HEF' Culture3 = 'tri_HEF'.
IF  tri_IEF ='tri_IEF' Culture3 = 'tri_IEF'.
IF  q_HIEF ='q_HIEF' Culture3 = 'Heremit'.

VARIABLE LABELS Culture3 'Cultural bias single and combinations'.
MISSING VALUES  Culture3 (" ").



STRING Culttype (A8) .
RECODE
  culture3
  ('mono_H'='mono')  ('mono_E'='mono')  ('mono_I'='mono')
  ('mono_F'='mono')  ('bi_HI'='bi')  ('bi_HE'='bi') ('bi_HF'='bi')
  ('bi_IE'='bi')  ('bi_IF'='bi')  ('bi_EF'='bi')  ('tri_HIE'='tri')
  ('tri_HIF'='tri')  ('tri_HEF'='tri')  ('tri_IEF'='tri')  ('Heremit'='quadra')
   INTO Culttype .
VARIABLE LABELS Culttype 'Mono-, bi-, tri- or quadra-cultural bias'.
MISSING VALUES CultType (" ").
```

```
RECODE
  culttype
  ('mono'=1)  ('bi'=2)  ('tri'=3)  ('quadra'=4)  (ELSE=SYSMIS)  INTO
  CultB_nr .
VARIABLE LABELS CultB_nr 'Number of Cultural Biases'.
VALUE LABELS CultB_nr
    1 'mono'
    2 'bi'
    3 'tri'
    4 'quadra'.



RECODE
  culttype
  ('mono'=1)  ('bi'=0)  ('tri'=0)  ('quadra'=0)  (ELSE=SYSMIS)  INTO
  Cult_n1 .
VARIABLE LABELS Cult_n1 'Mono Cultural Bias Dummy'.
RECODE
  culttype
  ('mono'=0)  ('bi'=1)  ('tri'=0)  ('quadra'=0)  (ELSE=SYSMIS)  INTO
  Cult_n2 .
VARIABLE LABELS Cult_n2 'bi-Cultural Bias Dummy'.
RECODE
  culttype
  ('mono'=0)  ('bi'=0)  ('tri'=1)  ('quadra'=0)  (ELSE=SYSMIS)  INTO
  Cult_n3 .
VARIABLE LABELS Cult_n3 'Tri- Cultural Bias Dummy'.
RECODE
  culttype
  ('mono'=0)  ('bi'=0)  ('tri'=0)  ('quadra'=1)  (ELSE=SYSMIS)  INTO
  Cult_n4 .
VARIABLE LABELS Cult_n1 'Mono Cultural Bias Dummy'.

RECODE
  culttype
  ('mono'=0)  ('bi'=1)  ('tri'=SYSMIS)  ('quadra'=SYSMIS)  (ELSE=SYSMIS)  INTO
  Cult_n12 .
VARIABLE LABELS Cult_n12 'Mono vs. bi Cultural Bias Dummy (bi=1)'.

RECODE
  culttype
  ('mono'=sysmis)  ('bi'=0)  ('tri'=1)  ('quadra'=SYSMIS)  (ELSE=SYSMIS)  INTO
  Cult_n23 .
VARIABLE LABELS Cult_n23 'Bi vs. Tri-Cultural Bias Dummy, (tri=1)'.

RECODE
  culttype
  ('mono'=sysmis)  ('bi'=sysmis)  ('tri'=0)  ('quadra'=1)  (ELSE=SYSMIS)  INTO
  Cult_n34 .
VARIABLE LABELS Cult_n34 'Tri- vs. quadra- Cultural Bias Dummy, (Q=1)'.

AUTORECODE
  VARIABLES=position  /INTO positi_n
  /PRINT.

RECODE
  partyprf
  (Lowest thru 9=1)  (10 thru Highest=0)  (ELSE=SYSMIS)  INTO  voter_d .
VARIABLE LABELS voter_d 'The voters vs. non-voters'.
EXECUTE .



************************************************************
* RECODINGS FOR Synthetic  Individual Approach .


***  Clusters of the Four Cultures.
QUICK CLUSTER
   hierarch individu egalitar fatalism
   /MISSING=LISTWISE
   /CRITERIA= CLUSTER(16) MXITER(30) CONVERGE(.01)
```

```
   /METHOD=KMEANS(NOUPDATE)
   /SAVE CLUSTER (cultqc16)
   /PRINT INITIAL anova.

VARIABLE LABELS cultqc16
    'Cultural Biases in 16 Culsters'.
* based on ABS value >= 0.5.
VALUE LABELS  cultqc16
    1 'e'
    2 'hiEf'
    3 'none'
    4 'hE'
    5 'f'
    6 'HEF'
    7 'He'
    8 'hIe'
    9 'IEF'
    10 'HiE'
    11 'hie'
    12 'HIE'
    13 'hiE'
    14 'Ief'
    15 'F'
    16 'HIEF'.


RECODE
 p172
 (1 thru 4=1) (5 thru 6=0) (ELSE=SYSMIS) INTO GoChurch.
VARIABLE LABELS GoChurch 'Goes frequently to Church'.
VALUE LABELS GoChurch 0 'Non Frequently' 1 'Several times a year'.

RECODE
  sector
  ('4'=1)  (MISSING=SYSMIS)  (ELSE=0)  INTO  farmer_D .
VARIABLE LABELS farmer_D 'farmers, fishermen, agric.'.
EXECUTE .



*** Dummy variables for Social Position.
RECODE
  soclposi
  (6=1)  (MISSING=SYSMIS)  (ELSE=0)  INTO  unempl_D .
VARIABLE LABELS unempl_D 'Dummy for Unemployed'.

RECODE
  soclposi
  (MISSING=SYSMIS)  (3=1)  (ELSE=0)  INTO  Retire_D .
VARIABLE LABELS Retire_D 'Dummy for Retired'.

RECODE
  soclposi
  (MISSING=SYSMIS)  (3=1)  (ELSE=0)  INTO SOCSUP_D .
VARIABLE LABELS SOCSUP_D 'Dummy for Social Support'.


*** Dummies for CLASS IDENTITY.

RECODE
  class
  (MISSING=SYSMIS)  (3 thru 4=1)  (ELSE=0)  INTO  Middle_D .
VARIABLE LABELS Middle_D 'Dummy for Middleclass Identity'.

RECODE
  class
  (MISSING=SYSMIS)  (1=1)  (ELSE=0)  INTO  Labor_D .
VARIABLE LABELS Middle_D 'Dummy for Labor Identity'.

EXECUTE .
```

A.3 STATISTICAL TABLES

A.3.1 Sequential Individual

A.4 Synthetized Individual

RESULTS FROM LOGIT: PREDICTING PROBABILITES OF PARTY PREFERECE.

```
áááááá
-> LOGISTIC REGRESSION pref_SV
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .
```

CULTURE3 Cultural bias single and combinations by PARTYPRF

```
COMPUTE filter_$=((partyprf  ~= 9) & (cultb_nr <= 2)).
VARIABLE LABEL filter_$ '(partyprf  ~= 9) & (cultb_nr <= 2) (FILTER)'.
```

Adj Res CULTURE3	RV	SV	DNA	Sp	V	Krf	H	Frp	DontKnow	Wontvote	Row Total
	1,00	2,00	3,00	4,00	5,00	6,00	7,00	8,00	10,00	11,00	
bi_EF	2,0	3,0	-1,8	,0	-1,2	-1,8	-2,2	,0	1,7	1,2	49 8,3%
bi_HE	-,8	-,7	2,0	,7	,8	2,4	-2,4	-1,1	,2	-,8	45 7,6%
bi_HF	-,7	-1,9	-,2	,7	,1	1,5	-2,3	,6	1,9	1,9	36 6,1%
bi_HI	-,8	-2,8	-2,0	-,8	-,1	-,3	4,2	4,7	-,6	-1,6	45 7,6%
bi_IE	1,0	-,7	1,1	-2,0	-,9	-,6	1,1	-,7	1,2	-,4	32 5,4%
bi_IF	-,6	-1,8	-,8	1,5	,4	-1,3	2,3	1,2	-1,0	-,2	26 4,4%
mono_E	1,8	7,9	2,4	-,1	,6	-,3	-5,2	-3,8	-1,8	-2,0	159 26,9%
mono_F	-,8	-,8	-,2	,3	,6	-1,2	-1,7	-,7	1,4	4,4	53 9,0%
mono_H	-,9	-2,6	,1	1,3	,4	3,4	,9	-,9	-,6	-,5	60 10,1%
mono_I	-1,1	-4,0	-1,7	-1,1	-,9	-1,4	7,0	2,8	-,8	-,6	87 14,7%
Column Total	7 1,2%	101 17,1%	105 17,7%	61 10,3%	15 2,5%	33 5,6%	121 20,4%	36 6,1%	85 14,4%	28 4,7%	592 100,0%

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Phi	,70797			,00000 *1
Cramer's V	,23599			,00000 *1
Lambda :				
symmetric	,14712	,01605	9,06800	
with CULTURE3 dependent	,11547	,02083	5,33678	
with PARTYPRF dependent	,17622	,02222	7,53416	
Goodman & Kruskal Tau :				
with CULTURE3 dependent	,08017	,00961		,00000 *2
with PARTYPRF dependent	,07824	,00991		,00000 *2

```
*1 Pearson chi-square probability
*2 Based on chi-square approximation

Number of Missing Observations:  0
```

Table A.2 : The mono and bi cultural biases effect on party preferance in adj.res.

```
      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210

Dependent Variable Encoding:

Original       Internal
Value          Value
     ,00       0
    1,00       1


                                          Parameter
                           Value   Freq   Coding
                                            (1)
MIDDLE_D
                            ,00    533    ,000
                           1,00    677   1,000
LABOR_D
                            ,00    871    ,000
                           1,00    339   1,000
GOCHURCH
 Non Frequently             ,00    948    ,000
 Several times a year      1,00    262   1,000
FARMER_D
                            ,00   1155    ,000
                           1,00     55   1,000
GENDER
 male                       ,00    613    ,000
 female                    1,00    597   1,000


Dependent Variable..   PREF_SV    Socialistic Left

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   982,18751

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      849,122
 Goodness of Fit       1219,243

                    Chi-Square    df Significance

 Model Chi-Square       133,065     4        ,0000
 Improvement            133,065     4        ,0000

Classification Table for PREF_SV
                     Predicted
                   Other    SV      Percent Correct
                     O  ö    S
Observed          òôôôôôôôôôôôôôôôò
   Other     O    ö  1029 ö    11 ö   98,94%
                  òôôôôôôôôôôôôôôôò
   SV        S    ö   151 ö    19 ö   11,18%
                  òôôôôôôôôôôôôôôôò
                             Overall  86,61%

---------------------- Variables in the Equation -----------------------
```

```
Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH      -,5247     ,1195  19,2669     1    ,0000  -,1326    ,5917
INDIVIDU      -,6724     ,1275  27,8303     1    ,0000  -,1622    ,5105
EGALITAR       ,8079     ,1458  30,7201     1    ,0000   ,1710   2,2433
FATALISM       ,0290     ,1357    ,0458     1    ,8305   ,0000   1,0295
Constant     -2,1756     ,1083 403,2962     1    ,0000


Beginning Block Number  2.  Method: Enter

Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      814,796
 Goodness of Fit       1217,661

                    Chi-Square    df Significance

 Model Chi-Square        34,326     7        ,0000
 Improvement             34,326     7        ,0000

Classification Table for PREF_SV
                     Predicted
                   Other    SV      Percent Correct
                     O  ö    S
Observed          òôôôôôôôòôôôôôôôò
   Other     O    ö  1027 ö    13 ö   98,75%
                  òôôôôôôôòôôôôôôôò
   SV        S    ö   147 ö    23 ö   13,53%
                  òôôôôôôôòôôôôôôôò
                             Overall  86,78%



---------------------- Variables in the Equation -------------------------

Variable              B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH         -,3706     ,1272   8,4797     1    ,0036  -,0874    ,6904
INDIVIDU         -,7081     ,1324  28,6101     1    ,0000  -,1770    ,4926
EGALITAR          ,8364     ,1507  30,8074     1    ,0000   ,1842   2,3081
FATALISM          ,0355     ,1415    ,0630     1    ,8019   ,0000   1,0361
AGE              -,0203     ,0067   9,0565     1    ,0026  -,0912    ,9799
GENDER(1)         ,2024     ,1950   1,0769     1    ,2994   ,0000   1,2243
INCOME_P         -,0257     ,0548    ,2193     1    ,6396   ,0000    ,9747
LABOR_D(1)       -,3048     ,2678   1,2953     1    ,2551   ,0000    ,7373
GOCHURCH(1)     -1,0221     ,2773  13,5911     1    ,0002  -,1168    ,3598
FARMER_D(1)      -,1870     ,5115    ,1337     1    ,7146   ,0000    ,8294
MIDDLE_D(1)      -,3881     ,2380   2,6598     1    ,1029  -,0279    ,6783
Constant         -,9452     ,3516   7,2276     1    ,0072

Preceding task required 23,39 seconds elapsed.
-> LOGISTIC REGRESSION pref_dna
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .



      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0
```

```
      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210


Dependent Variable..   PREF_DNA   Labor Party

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   1216,4984

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 4 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood     1179,532
 Goodness of Fit       1204,719

                    Chi-Square    df Significance

 Model Chi-Square        36,966     4        ,0000
 Improvement             36,966     4        ,0000

Classification Table for PREF_DNA
                     Predicted
                   Other    DNA     Percent Correct
                     O  ö    D
Observed          òôôôôôôôòôôôôôôôò
   Other     O    ö  966  ö    0  ö  100,00%
                 òôôôôôôôòôôôôôôôò
   DNA       D    ö  244  ö    0  ö     ,00%
                 òôôôôôôôòôôôôôôôò
                           Overall  79,83%

---------------------- Variables in the Equation -----------------------

Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH       ,2543     ,0973   6,8303     1    ,0090   ,0630   1,2896
INDIVIDU      -,0759     ,1072    ,5012     1    ,4790   ,0000    ,9269
EGALITAR       ,5117     ,1036  24,4140     1    ,0000   ,1357   1,6682
FATALISM      -,1586     ,1093   2,1066     1    ,1467  -,0094    ,8533
Constant     -1,4340     ,0757 359,0170     1    ,0000


Beginning Block Number  2.  Method: Enter



Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 4 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood     1092,613
 Goodness of Fit       1223,425

                    Chi-Square    df Significance
```

```
 Model Chi-Square        86,919     7        ,0000
 Improvement             86,919     7        ,0000

Classification Table for PREF_DNA
                    Predicted
                  Other    DNA     Percent Correct
                    O  ö    D
Observed          òôôôôôôôôòôôôôôôôò
   Other     O    ö  953  ö   13  ö   98,65%
                  òôôôôôôôôòôôôôôôôò
   DNA       D    ö  216  ö   28  ö   11,48%
                  òôôôôôôôôòôôôôôôôò
                             Overall  81,07%


---------------------- Variables in the Equation -------------------------

Variable             B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH          ,1160     ,1064   1,1874     1    ,2759   ,0000   1,1230
INDIVIDU         -,1896     ,1128   2,8263     1    ,0927  -,0265    ,8273
EGALITAR          ,3963     ,1090  13,2266     1    ,0003   ,0976   1,4864
FATALISM         -,3065     ,1162   6,9566     1    ,0084  -,0648    ,7360
AGE               ,0208     ,0050  17,3425     1    ,0000   ,1140   1,0210
GENDER(1)        -,3970     ,1701   5,4471     1    ,0196  -,0541    ,6723
INCOME_P         -,0222     ,0477    ,2163     1    ,6419   ,0000    ,9781
LABOR_D(1)        ,8574     ,2338  13,4547     1    ,0002   ,0985   2,3571
GOCHURCH(1)      -,6668     ,2094  10,1402     1    ,0015  -,0831    ,5134
FARMER_D(1)     -1,3239     ,5376   6,0651     1    ,0138  -,0587    ,2661
MIDDLE_D(1)      -,2209     ,2296    ,9262     1    ,3359   ,0000    ,8018
Constant        -2,0672     ,3317  38,8383     1    ,0000


->
-> LOGISTIC REGRESSION pref_sp
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .



      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210


Dependent Variable..   PREF_SP    Agrarian Party

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   759,99854

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 4 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      748,289
```

```
 Goodness of Fit       1196,830

                    Chi-Square    df Significance

 Model Chi-Square        11,710     4        ,0196
 Improvement             11,710     4        ,0196

Classification Table for PREF_SP
                     Predicted
                   Other    SP      Percent Correct
                     O  ö    S
Observed          òôôôôôôôòôôôôôôò
   Other     O    ö  1095 ö     0 ö  100,00%
                  òôôôôôôôòôôôôôôò
   SP        S    ö   115 ö     0 ö     ,00%
                  òôôôôôôôòôôôôôôò
                             Overall  90,50%

---------------------- Variables in the Equation -----------------------

Variable            B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH        ,2841     ,1330   4,5605     1    ,0327   ,0580   1,3286
INDIVIDU       -,2081     ,1466   2,0156     1    ,1557  -,0045    ,8121
EGALITAR       -,0279     ,1238    ,0506     1    ,8220   ,0000    ,9725
FATALISM        ,2955     ,1468   4,0511     1    ,0441   ,0520   1,3439
Constant      -2,2881     ,1012 510,7282     1    ,0000

Beginning Block Number  2.  Method: Enter

Variable(s) Entered on Step Number
1..        AGE        Alder
           GENDER     Gender (f=1)
           INCOME_P   Personlig brutto inntekt
           LABOR_D
           GOCHURCH   Goes frequently to Church
           FARMER_D   farmers, fishermen, agric.
           MIDDLE_D   Dummy for Labor Identity

Estimation terminated at iteration number 5 because
parameter estimates changed by less than ,001

 -2 Log Likelihood      669,731
 Goodness of Fit       1201,710

                    Chi-Square    df Significance

 Model Chi-Square        78,558     7        ,0000
 Improvement             78,558     7        ,0000

Classification Table for PREF_SP
                     Predicted
                   Other    SP      Percent Correct
                     O  ö    S
Observed          òôôôôôôôòôôôôôôò
   Other     O    ö  1088 ö     7 ö   99,36%
                  òôôôôôôôòôôôôôôò
   SP        S    ö    98 ö    17 ö   14,78%
                  òôôôôôôôòôôôôôôò
                             Overall  91,32%


---------------------- Variables in the Equation -----------------------

Variable              B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH          ,2187     ,1485   2,1710     1    ,1406   ,0151   1,2445
INDIVIDU         -,1314     ,1595    ,6785     1    ,4101   ,0000    ,8769
EGALITAR          ,0764     ,1396    ,2998     1    ,5840   ,0000   1,0794
FATALISM          ,2972     ,1604   3,4333     1    ,0639   ,0438   1,3461
AGE              -,0069     ,0069    ,9836     1    ,3213   ,0000    ,9931
GENDER(1)        -,1979     ,2339    ,7161     1    ,3974   ,0000    ,8204
INCOME_P          ,0622     ,0646    ,9264     1    ,3358   ,0000   1,0641
LABOR_D(1)       -,3015     ,3204    ,8856     1    ,3467   ,0000    ,7397
GOCHURCH(1)       ,8565     ,2281  14,1002     1    ,0002   ,1272   2,3550
FARMER_D(1)      2,5053     ,3161  62,8318     1    ,0000   ,2851  12,2473
```

```
MIDDLE_D(1)      -,2011     ,2873    ,4896     1    ,4841   ,0000    ,8179
Constant        -2,4063     ,4228  32,3991     1    ,0000


-> LOGISTIC REGRESSION pref_krf
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .



      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210


Dependent Variable..   PREF_KRF   Christian Party

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   562,38523

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      548,554
 Goodness of Fit       1226,529

                    Chi-Square    df Significance

 Model Chi-Square       13,831     4        ,0079
 Improvement            13,831     4        ,0079

Classification Table for PREF_KRF
                    Predicted
                  Other    Krf     Percent Correct
                    O  ö    K
Observed         òôôôôôôôòôôôôôôôò
   Other     O   ö  1135 ö     0 ö  100,00%
                 òôôôôôôôòôôôôôôôò
   Krf       K   ö    75 ö     0 ö     ,00%
                 òôôôôôôôòôôôôôôôò
                           Overall  93,80%

---------------------- Variables in the Equation -----------------------

Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH       ,5502     ,1629  11,4116     1    ,0007   ,1294   1,7336
INDIVIDU      -,1926     ,1791   1,1562     1    ,2822   ,0000    ,8248
EGALITAR       ,1284     ,1553    ,6839     1    ,4082   ,0000   1,1370
FATALISM      -,3164     ,1781   3,1548     1    ,0757  -,0453    ,7288
Constant     -2,7948     ,1278 478,1280     1    ,0000


Beginning Block Number  2.  Method: Enter
```

```
Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 6 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood          362,147
 Goodness of Fit           1240,391

                    Chi-Square     df Significance

 Model Chi-Square       186,406      7         ,0000
 Improvement            186,406      7         ,0000

Classification Table for PREF_KRF
                     Predicted
                  Other    Krf     Percent Correct
                    O  ö    K
Observed         òôôôôôôôôôôôôôôôò
   Other     O   ö  1127 ö     8 ö   99,30%
                 òôôôôôôôôôôôôôôôò
   Krf       K   ö    67 ö     8 ö   10,67%
                 òôôôôôôôôôôôôôôôò
                            Overall  93,80%


---------------------- Variables in the Equation -------------------------

Variable              B      S.E.      Wald    df      Sig       R   Exp(B)

HIERARCH          ,3184     ,1950    2,6662     1    ,1025   ,0348   1,3749
INDIVIDU         -,2262     ,2218    1,0403     1    ,3078   ,0000    ,7976
EGALITAR         -,0346     ,1870     ,0342     1    ,8532   ,0000    ,9660
FATALISM         -,4194     ,2213    3,5936     1    ,0580  -,0539    ,6574
AGE               ,0121     ,0085    2,0083     1    ,1564   ,0039   1,0121
GENDER(1)         ,0739     ,3127     ,0558     1    ,8133   ,0000   1,0767
INCOME_P         -,3944     ,0938   17,6677     1    ,0000  -,1690    ,6741
LABOR_D(1)       -,0413     ,4937     ,0070     1    ,9333   ,0000    ,9595
GOCHURCH(1)      3,4433     ,3732   85,1303     1    ,0000   ,3893  31,2890
FARMER_D(1)     -1,8039    1,0521    2,9395     1    ,0864  -,0414    ,1647
MIDDLE_D(1)       ,4799     ,4313    1,2382     1    ,2658   ,0000   1,6159
Constant        -4,3210     ,6092   50,3136     1    ,0000


Preceding task required 24,49 seconds elapsed.

ááááá
->
-> LOGISTIC REGRESSION pref_H
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .



      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210
```

```
Dependent Variable..   PREF_H     Conservative Party

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   1138,3425

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 4 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      974,066
 Goodness of Fit       1207,019

                    Chi-Square    df Significance

 Model Chi-Square       164,277     4        ,0000
 Improvement            164,277     4        ,0000

Classification Table for PREF_H
                     Predicted
                   Other     H      Percent Correct
                     O  ö    H
Observed          òôôôôôôôôôôôôôôôò
   Other     O    ö  966  ö   27  ö   97,28%
                  òôôôôôôôôôôôôôôôò
   H         H    ö  183  ö   34  ö   15,67%
                  òôôôôôôôôôôôôôôôò
                             Overall  82,64%

---------------------- Variables in the Equation -----------------------

Variable            B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH      -,0360     ,1091    ,1087     1    ,7417   ,0000    ,9647
INDIVIDU       ,7946     ,1325  35,9404     1    ,0000   ,1727   2,2136
EGALITAR      -,7243     ,0924  61,5114     1    ,0000  -,2286    ,4846
FATALISM      -,5497     ,1263  18,9525     1    ,0000  -,1220    ,5771
Constant     -1,8071     ,0919 386,5516     1    ,0000


Beginning Block Number  2.  Method: Enter


Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      904,636
 Goodness of Fit       1348,548

                    Chi-Square    df Significance

 Model Chi-Square        69,430     7        ,0000
 Improvement             69,430     7        ,0000

Classification Table for PREF_H
```

```
                    Predicted
                  Other     H      Percent Correct
                    O  ö    H
Observed          òôôôôôôôôôôôôôôôò
   Other     O    ö  966  ö   27  ö   97,28%
                  òôôôôôôôôôôôôôôôò
   H         H    ö  162  ö   55  ö   25,35%
                  òôôôôôôôôôôôôôôôò
                             Overall  84,38%


---------------------- Variables in the Equation -------------------------

Variable              B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH         -,0442     ,1206    ,1341     1    ,7142   ,0000    ,9568
INDIVIDU          ,8250     ,1382  35,6330     1    ,0000   ,1858   2,2819
EGALITAR         -,6093     ,0983  38,4278     1    ,0000  -,1934    ,5437
FATALISM         -,4757     ,1344  12,5369     1    ,0004  -,1040    ,6214
AGE               ,0097     ,0059   2,7155     1    ,0994   ,0271   1,0097
GENDER(1)         ,0327     ,1892    ,0298     1    ,8628   ,0000   1,0332
INCOME_P          ,1217     ,0483   6,3458     1    ,0118   ,0668   1,1294
LABOR_D(1)       -,5919     ,3514   2,8378     1    ,0921  -,0293    ,5533
GOCHURCH(1)      -,3879     ,2241   2,9973     1    ,0834  -,0320    ,6785
FARMER_D(1)      -,0947     ,4416    ,0460     1    ,8302   ,0000    ,9096
MIDDLE_D(1)       ,9552     ,2646  13,0293     1    ,0003   ,1064   2,5991
Constant        -3,0904     ,3888  63,1808     1    ,0000
```

```
-> LOGISTIC REGRESSION pref_frp
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .



      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210


Dependent Variable..   PREF_FRP   Progress Party

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   523,63088

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      460,936
 Goodness of Fit       1244,650
```

```
                    Chi-Square    df Significance

 Model Chi-Square        62,695     4        ,0000
 Improvement             62,695     4        ,0000

Classification Table for PREF_FRP
                     Predicted
                   Other    Frp     Percent Correct
                     O  ö    F
Observed          òôôôôôôôôòôôôôôôôò
   Other     O    ö  1141 ö     1 ö   99,91%
                  òôôôôôôôôòôôôôôôôò
   Frp       F    ö    67 ö     1 ö    1,47%
                  òôôôôôôôôòôôôôôôôò
                             Overall  94,38%

---------------------- Variables in the Equation -----------------------

Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH       ,3426     ,1783   3,6933     1    ,0546   ,0569   1,4086
INDIVIDU       ,7788     ,2168  12,9019     1    ,0003   ,1443   2,1788
EGALITAR      -,7421     ,1373  29,2113     1    ,0000  -,2280    ,4761
FATALISM       ,1173     ,1911    ,3771     1    ,5391   ,0000   1,1245
Constant      -3,2428    ,1689 368,8360     1    ,0000


Beginning Block Number  2.  Method: Enter



Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 6 because
parameter estimates changed by less than ,001

 -2 Log Likelihood      447,043
 Goodness of Fit       1333,198

                    Chi-Square    df Significance

 Model Chi-Square        13,893     7        ,0531
 Improvement             13,893     7        ,0531

Classification Table for PREF_FRP
                     Predicted
                   Other    Frp     Percent Correct
                     O  ö    F
Observed          òôôôôôôôôòôôôôôôôò
   Other     O    ö  1141 ö     1 ö   99,91%
                  òôôôôôôôôòôôôôôôôò
   Frp       F    ö    65 ö     3 ö    4,41%
                  òôôôôôôôôòôôôôôôôò
                             Overall  94,55%



---------------------- Variables in the Equation -----------------------

Variable             B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH          ,4547     ,1896   5,7511     1    ,0165   ,0902   1,5757
INDIVIDU          ,7253     ,2235  10,5310     1    ,0012   ,1360   2,0653
EGALITAR         -,7241     ,1486  23,7539     1    ,0000  -,2172    ,4848
FATALISM          ,1394     ,1991    ,4905     1    ,4837   ,0000   1,1496
AGE              -,0141     ,0091   2,3843     1    ,1226  -,0289    ,9860
GENDER(1)        -,6425     ,3090   4,3224     1    ,0376  -,0710    ,5260
INCOME_P         -,0576     ,0743    ,6025     1    ,4376   ,0000    ,9440
LABOR_D(1)       -,1614     ,4048    ,1589     1    ,6902   ,0000    ,8510
```

```
GOCHURCH(1)      -,5846     ,3995   2,1409     1    ,1434  -,0175    ,5573
FARMER_D(1)       ,2337     ,5656    ,1707     1    ,6795   ,0000   1,2633
MIDDLE_D(1)      -,3546     ,3657    ,9403     1    ,3322   ,0000    ,7015
Constant        -1,9035     ,4974  14,6452     1    ,0001
```

```
-> LOGISTIC REGRESSION pref_don
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .


      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210


Dependent Variable..   PREF_DON   Dont Know

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   1135,2952

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 3 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood     1129,102
 Goodness of Fit       1206,228

                    Chi-Square    df Significance

 Model Chi-Square         6,193     4        ,1852
 Improvement              6,193     4        ,1852

Classification Table for PREF_DON
                           Predicted
                       Other    Dont Know    Percent Correct
                          O    ö     D
Observed               òôôôôôôôôôôôòôôôôôôôôôôôò
   Other         O     ö    994   ö      0   ö  100,00%
                       òôôôôôôôôôôôòôôôôôôôôôôôò
   Dont Know     D     ö    216   ö      0   ö     ,00%
                       òôôôôôôôôôôôòôôôôôôôôôôôò
                                   Overall  82,15%

---------------------- Variables in the Equation -----------------------

Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH      -,0946     ,1005    ,8858     1    ,3466   ,0000    ,9098
INDIVIDU       ,0484     ,1117    ,1881     1    ,6645   ,0000   1,0496
EGALITAR       ,0678     ,0952    ,5062     1    ,4768   ,0000   1,0701
FATALISM       ,2451     ,1141   4,6149     1    ,0317   ,0480   1,2777
Constant     -1,5350     ,0757 410,8239     1    ,0000
```

```
Beginning Block Number  2.  Method: Enter


Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 4 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood     1095,712
 Goodness of Fit       1198,686

                    Chi-Square    df Significance

 Model Chi-Square        33,391     7        ,0000
 Improvement             33,391     7        ,0000

Classification Table for PREF_DON
                          Predicted
                       Other    Dont Know    Percent Correct
                         O    ö     D
Observed               òôôôôôôôôôôôòôôôôôôôôôôôò
   Other         O     ö    994   ö      0   ö  100,00%
                       òôôôôôôôôôôôòôôôôôôôôôôôò
   Dont Know     D     ö    216   ö      0   ö     ,00%
                       òôôôôôôôôôôôòôôôôôôôôôôôò
                                   Overall  82,15%


---------------------- Variables in the Equation -------------------------

Variable              B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH         -,0149     ,1086    ,0189     1    ,8906   ,0000    ,9852
INDIVIDU          ,0904     ,1141    ,6281     1    ,4280   ,0000   1,0946
EGALITAR          ,0493     ,0999    ,2437     1    ,6216   ,0000   1,0506
FATALISM          ,3194     ,1207   7,0029     1    ,0081   ,0666   1,3763
AGE              -,0105     ,0053   3,8644     1    ,0493  -,0406    ,9896
GENDER(1)         ,7200     ,1721  17,4930     1    ,0000   ,1171   2,0545
INCOME_P          ,0918     ,0468   3,8534     1    ,0496   ,0405   1,0961
LABOR_D(1)        ,4692     ,2573   3,3252     1    ,0682   ,0343   1,5987
GOCHURCH(1)      -,4215     ,2060   4,1861     1    ,0408  -,0440    ,6561
FARMER_D(1)      -,7920     ,5328   2,2095     1    ,1372  -,0136    ,4529
MIDDLE_D(1)       ,3345     ,2362   2,0062     1    ,1567   ,0023   1,3973
Constant        -2,0231     ,3346  36,5531     1    ,0000


Preceding task required 20,32 seconds elapsed.

ááááá
->
-> LOGISTIC REGRESSION pref_won
->   /METHOD=ENTER hierarch individu egalitar fatalism  /METHOD=ENTER age
->   gender income_p labor_d gochurch farmer_d middle_d
->   /CONTRAST (gender)=Indicator(1)  /CONTRAST (labor_d)=Indicator(1)  /CONTRAST
->   (gochurch)=Indicator(1)  /CONTRAST (farmer_d)=Indicator(1)  /CONTRAST
->   (middle_d)=Indicator(1)
->   /CRITERIA PIN(.05) POUT(.10) ITERATE(20) .


      Total number of cases:      1414 (Unweighted)
      Number of selected cases:   1414
      Number of unselected cases: 0

      Number of selected cases:                1414
      Number rejected because of missing data:  204
      Number of cases included in the analysis: 1210
```

```
Dependent Variable..   PREF_WON   Wont Vote

Beginning Block Number  0.  Initial Log Likelihood Function

-2 Log Likelihood   489,20136

* Constant is included in the model.


Beginning Block Number  1.  Method: Enter

Variable(s) Entered on Step Number
1..       HIERARCH  Hierarchy
          INDIVIDU  Individualism
          EGALITAR  Egalitarianism
          FATALISM  Fatalism

Estimation terminated at iteration number 5 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      470,082
 Goodness of Fit       1154,841

                    Chi-Square    df Significance

 Model Chi-Square       19,119     4        ,0007
 Improvement            19,119     4        ,0007

Classification Table for PREF_WON
                          Predicted
                       Other    Wont vote    Percent Correct
                          O    ö     W
Observed               òôôôôôôôôôôôôôôôôôôôôô
   Other         O     ö   1148   ö      0   ö  100,00%
                       òôôôôôôôôôôôôôôôôôôôôô
   Wont vote     W     ö     62   ö      0   ö     ,00%
                       òôôôôôôôôôôôôôôôôôôôôô
                                  Overall  94,88%

---------------------- Variables in the Equation -----------------------

Variable           B      S.E.     Wald    df      Sig       R   Exp(B)

HIERARCH      -,2867     ,1756   2,6673     1    ,1024  -,0369    ,7507
INDIVIDU       ,1254     ,1942    ,4169     1    ,5185   ,0000   1,1336
EGALITAR       ,1177     ,1740    ,4576     1    ,4988   ,0000   1,1249
FATALISM       ,8005     ,2011  15,8445     1    ,0001   ,1682   2,2266
Constant     -3,0579     ,1470 432,7275     1    ,0000


Beginning Block Number  2.  Method: Enter

Variable(s) Entered on Step Number
1..       AGE       Alder
          GENDER    Gender (f=1)
          INCOME_P  Personlig brutto inntekt
          LABOR_D
          GOCHURCH  Goes frequently to Church
          FARMER_D  farmers, fishermen, agric.
          MIDDLE_D  Dummy for Labor Identity

Estimation terminated at iteration number 8 because
Log Likelihood decreased by less than ,01 percent.

 -2 Log Likelihood      447,541
 Goodness of Fit       1130,044

                    Chi-Square    df Significance

 Model Chi-Square       22,541     7        ,0020
 Improvement            22,541     7        ,0020

Classification Table for PREF_WON
                          Predicted
                       Other    Wont vote    Percent Correct
```

			O	W	
Observed					
Other	O		1148	0	100,00%
Wont vote	W		62	0	,00%
				Overall	94,88%

---------------------- Variables in the Equation -------------------------

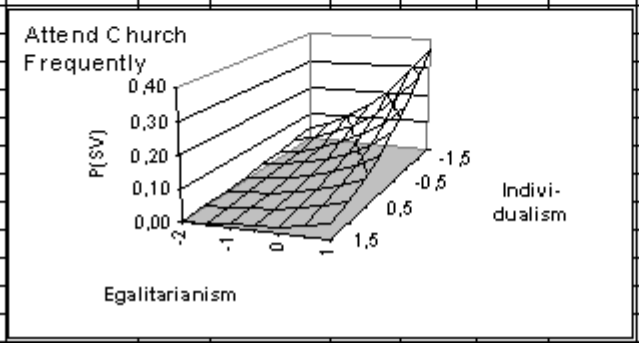
Variable	B	S.E.	Wald	df	Sig	R	Exp(B)
HIERARCH	-,1144	,1854	,3810	1	,5371	,0000	,8919
INDIVIDU	,0957	,2013	,2258	1	,6346	,0000	1,1004
EGALITAR	,1163	,1818	,4093	1	,5223	,0000	1,1233
FATALISM	,7949	,2112	14,1711	1	,0002	,1609	2,2142
AGE	-,0161	,0093	3,0141	1	,0825	-,0464	,9841
GENDER(1)	-,2368	,2835	,6977	1	,4036	,0000	,7892
INCOME_P	-,1547	,0806	3,6832	1	,0550	-,0598	,8567
LABOR_D(1)	-,5140	,3712	1,9172	1	,1662	,0000	,5981
GOCHURCH(1)	-,4436	,3810	1,3557	1	,2443	,0000	,6417
FARMER_D(1)	-6,4737	12,9463	,2500	1	,6170	,0000	,0015
MIDDLE_D(1)	-,5880	,3394	3,0013	1	,0832	-,0462	,5554
Constant	-1,2587	,4623	7,4131	1	,0065		

Preceding task required 27,62 seconds elapsed.

AN EXAMPLE OF HOW THE 3D GRAPHS IN Synthetic Individual Approach ARE MADE:

Logit analysis is performed in SPSS, and the results are solved in Excel, where also the grapsh are drawn. This is similar to a simulation. It is possible to change the values given in the far left column, and see how the probabilites change in the graph.

Variable	B	S.E.	Wald	df		Sig	R	Exp(B)			VERDIER
											F(Z)
SV											
HIERARCH	-0,371	0,13	8,5	1		0,004	-0,09	0,69			0
INDIVIDU	-0,708	0,13	28,6	1		0,000	-0,18	0,49			variabel
EGALITAR	0,836	0,15	30,8	1		0,000	0,18	2,31			variabel
FATALISM	0,036	0,14	0,1	1		0,802	0,00	1,04			0
AGE	-0,020	0,01	9,1	1		0,003	-0,09	0,98			41
GENDER(1)	0,202	0,20	1,1	1		0,299	0,00	1,22			0,5
INCOME_P	-0,026	0,05	0,2	1		0,640	0,00	0,97			3,3
LABOR_D(1)	-0,305	0,27	1,3	1		0,255	0,00	0,74			0
GOCHURCH(	-1,022	0,28	13,6	1		0,000	-0,12	0,36			1
FARMER_D(1	-0,187	0,51	0,1	1		0,715	0,00	0,83			0
MIDDLE_D(1)	-0,388	0,24	2,7	1		0,103	-0,03	0,68			0
Constant	-0,945	0,35	7,2	1		0,007					
As an example the top left cell below:											
F(Z) = (0* -0,37) + (1,5*0,71)+ (-2*-0,84)+(0*0,04)+(41*-0,02)+(0,5*0,2)+											
	(3,3*-0,03)+(0*-0,30)+(1*-1,02)+(0*-0,19)+(0*-0,39) + -0,95 = -5,52										
F(Z)	Egalitarian										
Individ	-2	-1,5	-1	-0,5	0	0,5	1				
1,5	-5,52	-5,10	-4,68	-4,26	-3,85	-3,43	-3,01				
1	-5,16	-4,75	-4,33	-3,91	-3,49	-3,07	-2,65				
0,5	-4,81	-4,39	-3,97	-3,56	-3,14	-2,72	-2,30				
0	-4,46	-4,04	-3,62	-3,20	-2,78	-2,37	-1,95				
-0,5	-4,10	-3,68	-3,27	-2,85	-2,43	-2,01	-1,59				
-1	-3,75	-3,33	-2,91	-2,49	-2,08	-1,66	-1,24				
-1,5	-3,39	-2,98	-2,56	-2,14	-1,72	-1,30	-0,88				
-2	-3,04	-2,62	-2,20	-1,79	-1,37	-0,95	-0,53				
F(Z) has to be solved:		(EXP(F(Z)) / (1+(F(Z)) which gives the probabilities									
Probabilities for F(Z) one Bias by Bias when all others are set to their means (Zero)											
Prob(F(Z)	Egalitarian										
Individ	-2	-1,5	-1	-0,5	0	0,5	1				
1,5	0,00	0,01	0,01	0,01	0,02	0,03	0,05				
1	0,01	0,01	0,01	0,02	0,03	0,04	0,07				
0,5	0,01	0,01	0,02	0,03	0,04	0,06	0,09				
0	0,01	0,02	0,03	0,04	0,06	0,09	0,12				
-0,5	0,02	0,02	0,04	0,05	0,08	0,12	0,17				
-1	0,02	0,03	0,05	0,08	0,11	0,16	0,22				
-1,5	0,03	0,05	0,07	0,11	0,15	0,21	0,29				
-2	0,05	0,07	0,10	0,14	0,20	0,28	0,37				



A Comparison of the Number of Cultural Biases Supported in Sequential and Synthetic Individual Approaches.

CULTB_NR Number of Cultural Biases by CULTQC16 Cultural Biases in 16 Culsters

CULTQC16 Page 1 of 2

Count	e	hiEf	none	hE	f	HEF	He	hIe	IEF	HiE	hie	Row
CULTB_NR	1	2	3	4	5	6	7	8	9	10	11	Total
1,00	28	53	13	42	19	17	36	1		54	10	371
mono												47,3
2,00	16	13	38	14	21		1	16	4	32		252
bi												32,1
3,00			21					16	20	4		108
tri												13,8
4,00			1						50			53
quadra												6,8
Column Total	44 5,6	66 8,4	73 9,3	56 7,1	40 5,1	17 2,2	37 4,7	33 4,2	74 9,4	90 11,5	10 1,3	784 100,0

(Continued)

CULTB_NR Number of Cultural Biases by CULTQC16 Cultural Biases in 16 Culsters

CULTQC16 Page 2 of 2

Count	HIE	hiE	Ief	F	HIEF	Row
CULTB_NR	12	13	14	15	16	Total
1,00	5	32	18	33	10	371
mono						47,3
2,00		13	31	23	30	252
bi						32,1
3,00			25	3	19	108
tri						13,8
4,00			2			53
quadra						6,8
Column Total	5 ,6	45 5,7	76 9,7	59 7,5	59 7,5	784 100,0

Number of Missing Observations: 630