H1: Latent profile analysis (Mplus syntax)

```
title:  LPA for couple
data:
     file is mplus_st.dat;
variable:
    names are hhid NSPAw NSPAh PSPAw PSPAh;
    usevar are NSPAw NSPAh PSPAw PSPAh;
    class is c(5);

analysis:
    type = mixture;

model:
    %c#1%
    NSPAw with NSPAh;
    PSPAw with PSPAh;
    NSPAw with PSPAh;
    PSPAw with NSPAh;

    %c#2%
    NSPAw with NSPAh;
    PSPAw with PSPAh;
    NSPAw with PSPAh;
    PSPAw with NSPAh;

    %c#3%
    NSPAw with NSPAh;
    PSPAw with PSPAh;
    NSPAw with PSPAh;
    PSPAw with NSPAh;

    %c#4%
    NSPAw with NSPAh;
    PSPAw with PSPAh;
    NSPAw with PSPAh;
    PSPAw with NSPAh;

    %c#5%
    NSPAw with NSPAh;
    PSPAw with PSPAh;
    NSPAw with PSPAh;
    PSPAw with NSPAh;

output:
    sampstat stdyx tech11 tech14;
```

H2: Multinomial logistic regression (STATA syntax)

Individual and dyadic characteristics (Table 3)

```
. mlogit Profile5r AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB, base(1)
. mlogit Profile5r AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB, base(2)
. mlogit Profile5r AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB, base(3)
. mlogit Profile5r AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB, base(4)
. mlogit Profile5r AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB, base(5)
. margins, dydx(AGE_0 AGE_1 SCHLYRS_0 SCHLYRS_1 Income Healthr_0 Healthr_1 FL_0 FL_1 CONDE_0 CONDE_1 RQ_0 RQ_1 MDUR_mean workr_0 workr_1 Minority_0 Minority_1 LB)
```

Within-couple means and discrepancies (Table 4)

```
. mlogit Profile5r Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB, base(1)
. mlogit Profile5r Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB, base(2)
. mlogit Profile5r Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB, base(3)
. mlogit Profile5r Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB, base(4)
. mlogit Profile5r Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB, base(5)
. margins, dydx(Mage Dage Medu Dedu Income Mhea Dhea Mfl Dfl MCONDE DCONDE MRQ DRQ MDUR_mean Wemp Hemp Wmin Hmin LB)
```

H3: Multilevel residual change models (SAS syntax: continuous covariates centered)

Main effects (the syntax below treats the *wife negative* profile as the reference):

```
PROC MIXED COVTEST NOCLPRINT METHOD=REML;
CLASS hhid_r ;
MODEL w2dep = pro5_1 pro5_2 pro5_3 pro5_4 cage gender cedu cinc workr minority chea cfl ccon crq cmdu LB cdep1/DDFM=BW S;
RANDOM INTERCEPT / TYPE=UN SUBJECT=hhid_r; *Level 2 (household); RUN;
```

Moderation effects:

```
PROC MIXED COVTEST NOCLPRINT METHOD=REML;
CLASS hhid_r ;
MODEL w2dep = pro5_1 pro5_2 pro5_3 pro5_4 pro5_1*gender pro5_2*gender pro5_3*gender pro5_4*gender cage gender cedu cinc workr minority chea cfl ccon crq cmdu LB cdep1/DDFM=BW S;
ESTIMATE '1V5 FEMALE' pro5_1 1 pro5_1*gender 0;
ESTIMATE '1V5 MALE' pro5_1 1 pro5_1*gender 1;
ESTIMATE '3V5 FEMALE' pro5_3 1 pro5_3*gender 0;
ESTIMATE '3V5 MALE' pro5_3 1 pro5_3*gender 1;
ESTIMATE '4V5 FEMALE' pro5_4 1 pro5_4*gender 0;
ESTIMATE '4V5 MALE' pro5_4 1 pro5_4*gender 1;
RANDOM INTERCEPT / TYPE=UN SUBJECT=hhid_r; *Level 2 (household); RUN;
```