```
/*h1*/


PROC IMPORT DATAFILE="/home/u63788572/germany/ESS10SC-subset.csv"
   OUT=ess2020
   DBMS=CSV
   REPLACE;
   GUESSINGROWS=MAX;
RUN;

PROC CONTENTS DATA=ess2020;
RUN;

PROC PRINT DATA=ess2020 (OBS=10);
RUN;

DATA ess2020_filtered;
   SET ess2020;


   IF region IN ('DE1', 'DE2', 'DE5', 'DE6', 'DE7', 'DE9', 'DEA', 'DEB', 'DEC') THEN
region_group = "West";
   ELSE IF region IN ('DE3', 'DE4', 'DE8', 'DED', 'DEE', 'DEG') THEN region_group = "East";
   ELSE DELETE;
RUN;

PROC FREQ DATA=ess2020_filtered;
   TABLES region_group / MISSING;
RUN;


PROC MEANS DATA=ess2020_filtered  MEAN MEDIAN STDDEV;
   VAR netusoft;
   CLASS region_group;
   TITLE "Descriptive Statistics: Frequency of Internet Usage";
RUN;

PROC UNIVARIATE DATA=ess2020_filtered NORMAL;
   VAR netusoft;
   HISTOGRAM netusoft / NORMAL;
   QQPLOT netusoft;
   TITLE "Normality Test of netusoft";
RUN;



PROC NPAR1WAY DATA=ess2020_filtered WILCOXON;
```

```
   CLASS region_group;
   VAR netusoft;
   TITLE "Mann-Whitney Test for Comparing Internet Usage Frequency Between Western
and Eastern Germany";
RUN;


/*h2*/


PROC IMPORT DATAFILE="/home/u63788572/germany/ESS10SC-subset.csv"
   OUT=ess2020
   DBMS=CSV
   REPLACE;
   GUESSINGROWS=MAX;
RUN;


DATA ess2020_filtered;
   SET ess2020;
   WHERE agea >= 18;


   IF agea >= 18 AND agea <= 36 THEN agegroup = "Young";
   ELSE IF agea >= 55 THEN agegroup = "Old";
   ELSE DELETE;


   IF scrnpnt IN (1,2,3) OR colscrn IN (1,2,3) THEN uses_video_calls = 1;
   ELSE IF scrnpnt IN (4,5,6,7) AND colscrn IN (4,5,6,7) THEN uses_video_calls = 0;
   ELSE DELETE;

   IF compnt IN (1,2,3) OR colcom IN (1,2,3) THEN uses_text_comm = 1;
   ELSE IF compnt IN (4,5,6,7) AND colcom IN (4,5,6,7) THEN uses_text_comm = 0;
   ELSE DELETE;
RUN;


PROC FREQ DATA=ess2020_filtered;
   TABLES agegroup * uses_video_calls / CHISQ;
   TITLE "Frequency of Video Call Usage by Age Groups";
RUN;


PROC FREQ DATA=ess2020_filtered;
   TABLES agegroup * uses_text_comm / CHISQ;
   TITLE "Frequency of Text Message Usage by Age Groups";
```

```
RUN;

/*h3*/


PROC IMPORT DATAFILE="/home/u63788572/germany/ESS10SC-subset.csv"
   OUT=ess2020
   DBMS=CSV
   REPLACE;
   GUESSINGROWS=MAX;
RUN;

DATA ess2020_filtered;
   SET ess2020;


   IF wrkhome IN (66, 77, 88, 99) THEN DELETE;


   IF wrkhome IN (1, 2, 3) THEN wrkhome_binary = 1;
   ELSE IF wrkhome IN (4, 5, 6) THEN wrkhome_binary = 0;
RUN;


PROC FREQ DATA=ess2020_filtered;
   TABLES wrkhome_binary;
   TITLE "Frequency of Remote Work ";
RUN;

PROC MEANS DATA=ess2020_filtered MEAN MEDIAN STDDEV MIN MAX;
   CLASS wrkhome_binary;
   VAR colscrn colcom;
   TITLE "Descriptive Statistics: Frequency of Digital Communication";
RUN;

PROC UNIVARIATE DATA=ess2020_filtered NORMAL;
   VAR colscrn colcom;
   TITLE "Normality Test of Variables";
   HISTOGRAM colscrn colcom / NORMAL;
   QQPLOT colscrn colcom;
RUN;

/*h4*/


PROC IMPORT DATAFILE="/home/u63788572/germany/ESS10SC-subset.csv"
   OUT=ess2020
```

```
   DBMS=CSV
   REPLACE;
   GUESSINGROWS=MAX;
RUN;

DATA ess2020_filtered;
   SET ess2020;

   IF hinctnta IN (77, 88, 99) OR netusoft IN (77, 88, 99) OR netustm IN (77, 88, 99) THEN
DELETE;


   IF hinctnta IN (1,2,3) THEN income_group = "Low";
   ELSE IF hinctnta IN (8,9,10) THEN income_group = "High";
   ELSE DELETE;
RUN;


PROC FREQ DATA=ess2020_filtered;
   TABLES income_group;
   TITLE "Income level distribution (Low vs. High)";
RUN;

PROC MEANS DATA=ess2020_filtered MEAN MEDIAN STDDEV MIN MAX;
   CLASS income_group;
   VAR netusoft netustm;
   TITLE "Descriptive Statistics: Internet Access (Low vs. High)";
RUN;

PROC UNIVARIATE DATA=ess2020_filtered NORMAL;
   VAR netusoft netustm;
   TITLE "normal test netusoft и netustm";
   HISTOGRAM netusoft / NORMAL;
   HISTOGRAM netustm / NORMAL;
   QQPLOT netusoft;
   QQPLOT netustm;
RUN;

PROC NPAR1WAY DATA=ess2020_filtered WILCOXON;
   CLASS income_group;
   VAR netusoft netustm;
   TITLE "Mann-Whitney Test: Differences in Internet Access Between Low and High
Groups";
RUN;
```

```
/*h5*/

PROC IMPORT DATAFILE="/home/u63788572/germany/ESS10SC-subset.csv"
   OUT=ess2020
   DBMS=CSV
   REPLACE;
   GUESSINGROWS=MAX;
RUN;

DATA ess2020_clean;
   SET ess2020;


   IF colscrn IN (66, 77, 88, 99) THEN colscrn = .;
   IF colcom IN (66, 77, 88, 99) THEN colcom = .;
   IF stflife IN (77, 88, 99) THEN stflife = .;

   IF colscrn NE . AND colcom NE . AND stflife NE .;
RUN;


PROC MEANS DATA=ess2020_clean N MEAN MEDIAN STDDEV MIN MAX;
   VAR colscrn colcom stflife;
   TITLE "Descriptive Statistics";
RUN;


DATA ess2020_groups;
   SET ess2020_clean;

   /
   IF colscrn <= 3 OR colcom <= 3 THEN group_comm = "Often";
   ELSE IF colscrn >= 4 OR colcom >= 4 THEN group_comm = "Rare";
RUN;

PROC MEANS DATA=ess2020_groups MEAN MEDIAN STDDEV;
   CLASS group_comm;
   VAR stflife;
   TITLE "Life Satisfaction Depending on the Frequency of Communication with
Colleagues";
RUN;

PROC NPAR1WAY DATA=ess2020_groups WILCOXON;
   CLASS group_comm;
   VAR stflife;
   TITLE "Difference in life satisfaction between groups (often vs. rare)";
RUN;
```