

SPSS SYNTAX ADOLESCENTS

*descriptives for adolescents.

```
DESCRIPTIVES VARIABLES=Age Height Weight BMI BLC1_max BLC2_max HGS_D_max HGS_ND_max  
/STATISTICS=MEAN STDDEV MIN MAX.
```

```
SORT CASES BY Gender.
```

```
SPLIT FILE LAYERED BY Gender.
```

```
DESCRIPTIVES VARIABLES=Age Height Weight BMI BLC1_max BLC2_max HGS_D_max HGS_ND_max  
/STATISTICS=MEAN STDDEV MIN MAX.
```

```
SPLIT FILE OFF.
```

```
T-TEST GROUPS=Gender(0 1)
```

```
/MISSING=ANALYSIS
```

```
/VARIABLES=Age Height Weight BMI BLC1_max BLC2_max HGS_D_max HGS_ND_max
```

```
/CRITERIA=CI(.95).
```

```
COMPUTE BLC_DIFF=BLC2_max - BLC1_max.
```

```
EXECUTE.
```

```
T-TEST GROUPS=Gender(0 1)
```

```
/MISSING=ANALYSIS
```

```
/VARIABLES=BLC_DIFF
```

```
/CRITERIA=CI(.95).
```

*test-retest reliability analysis.

SORT CASES BY Gender.

SPLIT FILE LAYERED BY Gender.

RELIABILITY

/VARIABLES=BLC1_max BLC2_max

/SCALE('ALL VARIABLES') ALL

/MODEL=ALPHA

/STATISTICS=CORR ANOVA

/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

*blant altman plot

COMPUTE BLC_MEAN=mean(BLC1_max, BLC2_max).

EXECUTE.

SPLIT FILE OFF.

GRAPH

/SCATTERPLOT(BIVAR)=BLC_MEAN WITH BLC_DIFF BY Gender

/MISSING=LISTWISE.

DESCRIPTIVES VARIABLES=BLC_DIFF

/STATISTICS=MEAN STDDEV MIN MAX.

**mean DIFF = 4.09; SD = 9.58

**95% limits of agreement = Mean of difference +/- 2 SD;

**[-15.07 ; 23.25]

**lines can be drawn by use of the chart drawing tools.

**BLC validity.

CORRELATIONS

/VARIABLES=BLC1_max HGS_D_max HGS_ND_max

/PRINT=TWOTAIL NOSIG

/MISSING=PAIRWISE.

SORT CASES BY Gender.

SPLIT FILE LAYERED BY Gender.

CORRELATIONS

/VARIABLES=BLC1_max HGS_D_max HGS_ND_max

/PRINT=TWOTAIL NOSIG

/MISSING=PAIRWISE.