# Conducting Shapiro-Wilk test in R or SPSS

In R, the Shapiro-Wilk test for each compared groups can be run by the function “shapiro.test”, using the following syntax: **shapiro.test(*data.name*$*dv.name[data.name$iv.name= =x]*),** where x corresponds to one level of the iv.

In SPSS, the Shapiro-Wilk test can be run using the following syntax:

**EXAMINE VARIABLES=DV BY IV**

**/PLOT NPPLOT**

Figure 1 shows the output, obtained in SPSS, when performing a Shapiro-Wilk test on data summarized in Table A1.

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| *Figure 1*. Output in SPSS |