Example. Use of Percentiles

The database is available at <http://www.uv.es/mperea/Intro1000.sav>

The sample was composed of 1000 individuals (either Math students or Literature students)

1. We want to select the 20% of individuals with the highest values in introversion. Which would be the cutoff point?

2. We want to select the 10% of individuals with the lowest values in introversion. Which would be the cutoff point?

3. Do you see any differences in Introversion across groups? (Box plot + stats)

4. We want to select the 20% of individuals with the highest values in introversion, but only taking into account the Math students. Which would be the cutoff point?

z-values (examples)

a) What is the z-value corresponding to the individual in row 5? What does that mean?

b) What it the T-value corresponding to the individual in row 5?

c) Are there any differences in the shape of the distribution of introversion, z-introversion, and the T values of introversion? Is that the expected outcome?