

Standard Scores & Data Profiling

Part 1: Analysis - Z scores

Using the fitness data file:

Obtain Z scores for each individual on both measures

Profile the first person's sit up and sit and reach performance relative to the whole group. (draw by hand or use software such as excel)

Profile the first female's sit up and sit and reach performance relative to all other females. (draw by hand or use software such as excel)

Part 2: Analysis - Data Profiling

Use the Hoola Hoop data file:

Profile Marley's hoola hoop ability relative to all others.

Construct a profile for Champ's hoola average using as the reference point the group overall. Include a criterion bar delineating the 75th percentile.

Part 3: Analysis - Group Profile

Assume you were given the information below and asked to construct a group profile for SJSU Students' engagement in community service in the fall of 2010 relative to students in all other CSU campuses. Include on your graph the CSU goal of 60 hours on average. Interpret the graph you create.

Group	Mean Hours of Service	Sx for Hours of Service
SJSU Students	63	4
CSU Students	71	6