

How to Analyze a Statistical Problem

Who Has More Contacts—Males or Females?

The following data show the number of contacts that a sample of high school students had in their cell phones. What conclusion can we draw? Give appropriate evidence to support your answer.

Male:	124	41	29	27	44	87	85	260	290	31	168	169	167	214	135	114	105	103	96	144	
Female:	30	83	116	22	173	155	134	180	124	33	213	218	183	110							

The four-step Process:

(S)

(P)

(D)

(C)

Exercise – Apply these 4 steps to this problem. I will give you a few suggestions.

- Calculate our basic numerical statistics
- Make comparable graphs (in this case, use a Box Plot)
- Use SOCS to compare
- Draw some conclusions about this information.
- Be neat and thorough