

Health Science Statistics using R and R Commander by Robin Beaumont

Chapter 11 Summary statistics

Learning Outcomes

*** = more advanced outcomes**

Learning outcome	Tick box
Be able to explain in detail the results obtained after requesting summaries/numerical summaries of the active data set	q
Be able to select the appropriate R Commander menu option to produce summary statistics for subsets	q
*Be able to explain and use the <i>tapply()</i> function	q
*Be aware that the <i>tapply()</i> function can be used with a range of summary functions	q
*Be able to explain the output from the <i>tapply()</i> function	q
Be able to use appropriately the <i>describeBy()</i> function in the psych package	q
Be able to appropriately interpret a set of results obtained from the <i>describeBy()</i> function in the psych package including; n, trimmed mean, mad and se (standard error of the mean)	q
Be able to provide an example of the inappropriate use and interpretation of summary statistics	q
Be able to explain how a quick and dirty 95% CI can be calculated.	q
Be able to appropriately interpret a 95% CI (glossary entry)	q