

1. Descriptive statistics using R

(1) Basic function

mean();min(); median(); range(); var();sd(); summary(); quantile();
table();prop.table();quantile();fivenum(); cv

(2) Optional

kurtosis (); skewness();#"skewness"package

(3) Review

boxplot();hist();barplot()

error bar plot (mean \pm sd/se): hint: barplot() with "arrows(),
segments()"

2. Z-test,T-test using R

(1) Basic function

z.test();#"BSDA"package

t.test();dt();pt();qt();rt();

#Single population mean;Two population mean

(2) Review

Calculate the confidence interval