

## independent samples t-test answers

1. We fail to reject the null hypothesis, so there is not a significant difference in exam scores between the types of review,  $t(18) = -.54, p > .05$ .

$CI_{90} = -2.95$  to  $1.55$ .

$d = -2.41$

2. We reject the null hypothesis; the experimental method significantly reduces anxiety,  $t(17) = -6.66, p < .05$ .

$CI_{95} = -6.82$  to  $-3.54$ .

$d = -3.09$

3. fail to reject  $H_0$ , there is not a significant difference in depression scores between college students who sunbathed and those who did not,  $t(14) = -.876, p > .05$ .

$CI_{95} = -8.18$  to  $3.43$ .

$d = -.44$ .

4. We fail to reject the null hypothesis; children who read scary stories do not have significantly more nightmares than children who read cheerful stories,

$t(23) = -.42, p > .05$ .

$CI_{95} = 5.21$  to  $3.45$ .

$d = -.18$ .