

Section 8.5 Hypothesis Test Practice

Psychologists often argue over the best treatments for people with anxiety. Usually they debate these two methods: counseling sessions or pharmaceutical treatments. A team of psychologists recommends that people who experience anxiety attacks should receive regular counseling. They state that the counseling sessions provide a therapeutic or healing experience. They promote this type of therapy rather than pharmaceutical treatments. To test this, a researcher randomly selects 6 people who experience anxiety attacks. The researcher administers an anxiety test before and after counseling sessions. Higher scores on the test indicate increased anxiety. At the 5% level of significance, can we confirm that the counseling sessions reduce anxiety? Assume the population of test score differences is normally distributed. (This is a section 8.5 problem.)

Person #:	1	2	3	4	5	6
Pre Counseling:	66	71	80	78	85	90
Post Counseling:	64	65	79	81	81	91