

Q//the average income of a person is rs210 and rs10 as a standard deviarion in a sample 100 people

Given that:

Coull hypothesis to:
$$\overline{x} = \overline{x}_2$$

Alternative hypothesis $H_1: \overline{x}_1 \neq \overline{x}_2$

Level of significance, $\alpha = 0.05$

Coitical region, accept the null hypothesis is,

 $Tf_1 - 196 < z < 1.96$

Given that,

Clean of the 1st Cample, $\overline{x}_1 = 210$

Crean of the 2nd Sample, $\overline{x}_2 = 220$

Standard deviation of 1st Samples $S_1 = 10$

Standard deviation of 2nd Sample $S_2 - 12$
 $m_1 = 100$
 $m_2 = 150$
 $m_1 = 100$
 $m_2 = 150$

| Z = -7.143 (2)

| Z | = 7.143

| 7.143 × 1.96, the null hypothesis Ho is accept

ted at 5% level of significante.

There is no Significant difference between

the average incomes of the localities.