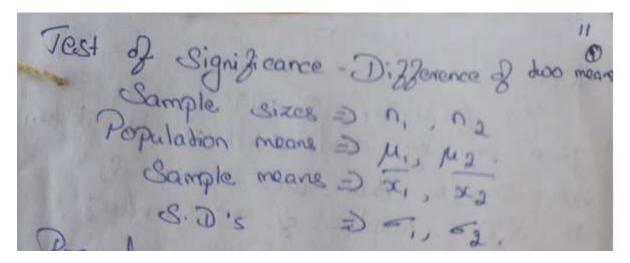


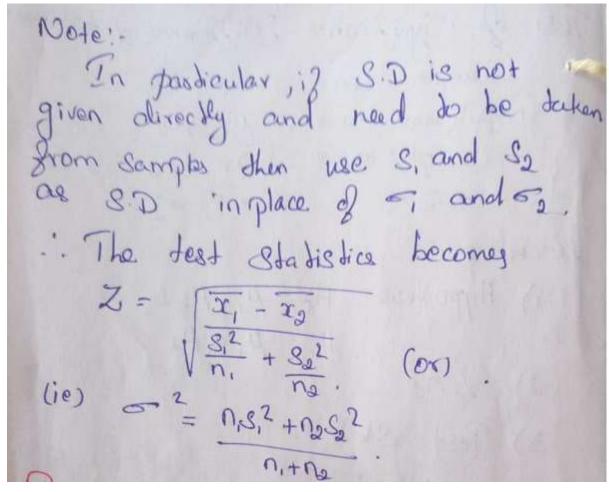
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Topic: 1.3 – Large sample test -difference of means



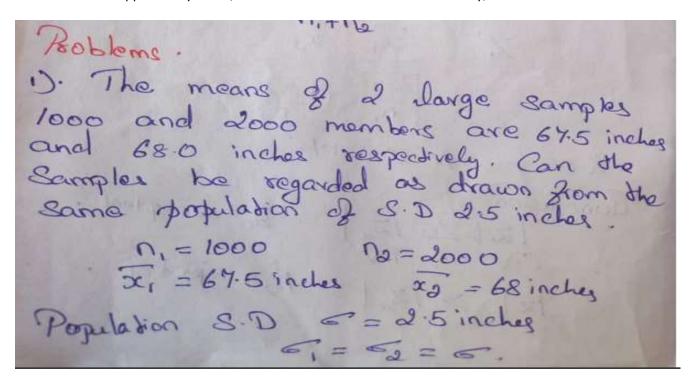




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Ho:
$$\mu_1 = \mu_2$$
.
 $\mu_1 : \mu_1 + \mu_2$.
 $\mu_2 : \mu_1 + \mu_2$.
 $\mu_3 : \mu_4 : \mu_2$.
 $\mu_4 : \mu_4 : \mu_2$.
 $\mu_5 : \mu_4 : \mu_2$.
 $\mu_5 : \mu_5 : \mu_4$.
 $\mu_5 : \mu_5 : \mu_5$.
 $\mu_6 : \mu_5 : \mu_5$.



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$$= \frac{-0.5}{0.0968} = -5.16.$$

$$|z| = 5.16 : Gidical value |z_{2}| = 1.96$$
Conclusion.
$$C.V$$

$$5.16 > 1.96$$

$$... Ho is rejected.$$



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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Jos: 5%

Jest Stadisdice:
$$Z = \overline{x_1} - \overline{x_2}$$
 $Z = 55 - 57$
 $\overline{)^2 + \frac{5^2}{100}} = -1.265$
 $\overline{)^2 + \frac{15^2}{100}} = -1.265$
 $\overline{)^2 + \frac{15^2}{100}} = 1.96$

Conclusion:

C.V T.V

1.2652 1.96.

The average hourly wage of sample of 150 workers in Plant A wage Re 3.56 widh 8.D of Re 1.08. The average wage of a Sample of 200 workers in Plant B was Re 2.87. with a 8.D of Re 1.28.

Can an applicant Safety assume that the hourly wages paid by Plant B are greater than those paid by Plant B



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2.0.8:-
$$d = 5 \%$$
.

Text Stadistics.

 $Z = \frac{5^{2}}{5^{2}} + \frac{5^{2}}{5^{2}}$
 $= \frac{2.56 - 2.87}{150} = -2.153$

Cridical Value at $d = 5\%$.

One tailed left $Z_{1d} = 1.645$



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