STAT 3093, ASSIGNMENT #7

GZ: EX 28, PG 507

Ho: MI = MZZ MI = mean for cold Ho: MI - NZ76 MZ = mean for Strowberry.

 $\frac{1}{\sqrt{51^2 + 52^2}} = \frac{554 - 540 - 0}{\sqrt{15^2 + 21^2}} = \frac{2.10}{\sqrt{15}}$

 $df: V = \left(\frac{5^2}{5} + \frac{5^2}{5}\right)^2 = 25$

fail area = 6.977

P-volve = 1 - teil area = 0.0229

The evidence shows that cola has a higher compression strength if one chooses to use a Signifigance level & > 0.0229.

The neccessarry assumptions are that the Compression Strength of both types of drink are normally distributed.