

Summary Statistics

Mean 22.29

Standerd Deviation 5.32

Standerd Error Mean 1.68

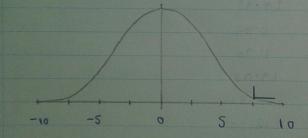
Upper 95% Mean 26.10

Lower 95% Mean 18.48

N 10.00

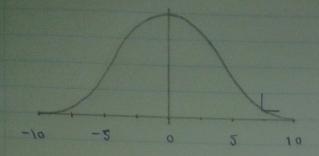
Women-Men
Assuming equal variances

Diff evence 7.3438 t Ratio 2.79996 Standard Error Dif 2.6228 DF 21 Upper CL Dif Prob > 1 tl 12.7983 0.0107# Lower CL Dif Prob )t 1.8894 0.0054\* Confidence 0.95 Prob<t 0.9946



t Test Women-Men Assuming unequal Variance

7.3438 Diff evence t Ratio 2.895794 249 ELL DIE 2.5360 DE 20.9888 Upper CL Dif 12.6180 Prob > 1t1 0.0086\* Lower CL Die Prob >t 2.0697 0.00 43\* Confidence 0.95 Probít 0.9957



Our hall hypothesis is that the mean body fat for men and women is equal. Our alternative hypothesis is that the mean body fat is not equal. The one-sided tests are for one-sided alternative hypotheses-for example, for a null hypothesis that mean body fat for men is less than that for women we can reject the hypothesis of equal mean body fat for the two groups and conclude that we have evidence body fat differs in the population between men and women.