Stat 21 Test I Collections Multiple Choice: 2: A, C Short Awar 1. Ve de looking at the roletionship it payment would on the a war APR. In this case, APR is the predictor Vollable a) joyments are the response.

7. To fif the date to the model , we would won't to filled a SRS of Co payments of APR at fine of payments from - population of inferest be want to make sure data blisms a voice distillation when 3. Farmer what the land the southwark est We like wont to escape a residents is fifth valves constant volice a condition hold free. We also need to make see that we do a normal qualle plate to see it there is normally vitte mores. 4 W all of our ponditions being met and The usled being sort allowy assessed for til wer co-1) then construct a confilence interval for slope, which would help us answer statistical greature busy on the CI bounds. We also how R= SSmd = 06, which tells us SSTOT - SSMO) by - large rargin because he is so small. This floratore tells

a. We know that the two consisting for inference with an SUR is that the data is collected condowly and that it approximates a normal distribution. We concluded the mornality condition by checking the plot above and the which shows that it takes on an approx, normal dishiphything In Justa points the along the line and Here is thorother roundly. As the Justa is from a SRS, we then that the randomness condition is not. We also wind to check through condition, which can be done by observes that there count a distinct petern on the cooldwal plat, be also See that the constant valence condition holds from the residual plat as the don't points are distributed above as before its average. We Know that there is independence amongst observations, us the size at one demond loses not determine The size of another Conless they we cut from the same stone.

C. You carly conduct a one-sample t-forty for
mens to see if a sample of pl the same are as
our runner have the same arrange rute of calaires burned four
each MH increase as our runner. How Mayor these
tho: M-Mo-D, that: M-Mo & D, which super our nothings their
is that there is no difference in ordering and our
alternative super than there is a difference. And a hypothesis took and
calculate the t-score, then find and compare it to its difficult value,
and if there is a critical valvey you can reject to.

2. The RZ value of 4313 helps so deformation if the mold is a good fit, and specifically obous us that 43,1% of the valuation in the bound conto (10) can be explained by the difference in MPH ran. The p-value of 002255 an also help us deformine if the molel is a good fit, a specifically shows ar took statistic being a result of pre chance.