Instructions: Show all work to receive full credit. You should note any formulas used or calculator functions used, their inputs and outputs. I cannot grade work if I don't know where an answer came from. Be sure complete all parts of each questions, including requests for interpretation and explanations. Be as thorough as possible.

1. 1500 Americans were asked if they thought the country was headed in the right direction and 45% of respondents in that poll responded "yes". Test if this is good evidence that fewer than half of all Americans think that the country is headed in the right direction.

1 Prop 2 Test

N=1500

7=-3.87... P= 5.3776 ×10-5 <,05

negect to

Po=,5

This is good evidence betherk

X = 675 = .45×1500

The standard deviation of the sample was 5.3 hours is this good evidence to think the true than Roll of the sample was 5.3 hours is this good evidence to think the true than the sample was 5.3 hours is this good evidence to think that we at

standard deviation of the sample was 5.3 hours, is this good evidence to think that most working adults work more than 40 hours per week?

T-Tost (Stats)

X=45.6

Sx=5.3

M = 35

M> Mo

Ho: 4240

Ha: 4740

t = 6.25 ...

P=2,037/107 2,05

reject to

yes, There is good our dince to thenk That working adults

Look more than 40 hours per

week