Panel 1 Proportion Why shat test that applies to you - unneric vers. Consider this as us espeniment where you How repeat on process again+ again. That process has 2 out comes (1= Succes a= Fouten) Took. π (χ_{l}) pup A sucum -H. prop. of success of # И., : (1/1) $\overline{x} - \pi$ 2. mł. J sla P=2P +12 nupolius

Panel 2

We conduct a survey to ask people if they are for or against Hydraulic fracturing in a particular county. The survey asked 265 people, 116 came ou for the practice, 149 against. Conduct a statistical test to check if the people are evenly divided on this issue. Based on your results, decide that if you were to advise a congress person to represent her district accurately, would you advise her to vote for or against the practice, or should she abstain?

S= For => 116/265= 0.437 Ha: TT sto error for a proportion 4. TT+ phop = 0.437 tu = 0.437 - 1/2 90200 D=2P(2 2 2.01) = 2.0.02=0.04 => (level 2

Panel 3 Flip coin 200 hims. Get 94 H, 106 T Hoin 4. 7 =12 Ha: # # 1/2 Haidtly 0.47 -0. 0.51-1 0.0] 0.9 z 2 ÷ ٥0١ 0.0 ιcò = Sound p=2P(z=0.9) 0.01 D= same 27/42+ inconclusia! Don't levors (prop. fair)