May 12 Leepne 22 Mad 201 2-Sixu 1-pup Set <= P(not cover) Inform! Thyis to gove muge PE CIP, 1-x Don't Kinn .. P(P = (P: 29 JP(-P)) 21-~ P(PEP=235PEP) = Opr 13 dependent Scheme PP-> Suple ich Brup Cr& 2-5ith 1-pry Ho: P=Po, H: P = Po, & is P(neson)

Acc Regra = Po + Zx Po(-P) Assure he know p! Roles de Smyle Struky? PÉ [Potza John) ) Yes => Rem Ho INO > Rgcento

different desperses are

Andr workle. Ober... if more shin 5% of costones doing like n down, the driver shall be fired. Afor 1,000 vides, Vor mores a secision. D~ N(0.05, \(\frac{0.05(-0.05)}{1000}\) = N(0.05, 00692)

.0293.0362 .143/ 0.050 .0569 .0630 .0707

hhis have? veril on to I ame? NO

Ha:  $p > 0.05 \times \text{this ulm view trying to fil}$ Ho:  $p \leq 0.05 \text{ (Null)}$  let  $\alpha = 2.5\%$ 

 $257 = \mathcal{L} = \mathcal{P}(2 > 2) = \mathcal{P}(\hat{\mathcal{D}} - \mathcal{P} > 2) = \mathcal{P}(\hat{\mathcal{P}} > \mathcal{P} + 2) \mathcal{P}(\hat{\mathcal{P}} > 2)$ 

Ace regn: (-0), P+2 [F] Ok-Sidel Ok-proporom
Hyposlesio Teas

Orthe: 71 Ace Pyn = (-0, D. 05 + 2/.05.05) 3  $\hat{p} = \frac{2!}{1990} = .071 = [-90] - .0630$ P & Acc Regin => Rejoer to => Fixe the Arriva! But P(Type. Ton) = 2.5% type Jerror: Reject Ho when Ho is the Fire someone who boesin beam to be fore type I gran: Reson Ho when Ho is forke Let a bas drien keep driving

So be rejected ... but how Strong" is the Eyean? ludi? P (We see this cristènce or more correre) Ho is the  $P(\hat{p} > 071 | p = 0.05)$ = P/P >.071 | DNM.05, 096P2))  $= P\left(\frac{\hat{p}-.05}{.0069} > \frac{.071-05}{.0069}\right) = P(2 > 3.04) = .00119 = 0.17.$ => Law of fre < x! Reven ...