2.98	ep(- c)===, P(+ c)===	On Whelen STAT 488-001 2022 February 10
A R L of	(+ c) + P(- c) = , P(+ \overline{c}) + P(- \overline{c}) = \overline{d} tivity: P(+ c) = \frac{3}{4}, Specificity: P(- \overline{c}) = \frac{9}{10}	
P(C,-	$P(C, +) = P(+ C)P(C) = (\frac{3}{4})(0.04) = 0.03$ $P(C, +) = P(+ C)P(C) = (\frac{1}{4})(0.04) = 0.096 \qquad P(C) = 0.044$ $P(C, +) = P(+ C)P(C) = (\frac{1}{4})(0.96) = 0.864 \qquad P(C) = 0.96$	C 0,03 0,01 C 0,08 0,864 0,126 0,814
2.310)	$P(C +) = \frac{P(+1c)P(C)}{P(+)} = \frac{[\frac{2}{3}](0.04)}{(0.126)} = \frac{5}{21} \approx [0.2381]$ $\frac{R_{US} - R_{UK}}{IM} = \frac{62.4}{IM} = \frac{13}{IM} = 48 \text{Relative risk is}$ $\frac{62.4 - 1.3}{IM} = \frac{61.1}{IM}, \frac{R_{US}}{R_{UK}} = \frac{62.4}{IM} = 48 \text{Relative risk is}$	more useful
2.4)(because it captures rence between the two rather than the raw of 1-1/21 = 1-1/2 = 1-1/3 = 1/3 2.7A) The adds of suring 1: 1-21 = 1-5 = 15 11.4 times the adds of suring 2: 1-1/21 = 1-1/3 = 1/3 2.7B) Fund: \(\frac{7}{741} = \frac{29}{39} \times \) 2: 1-1/4 = 1-22 = 1-1/3 = 1/3 2.7B) Fund: \(\frac{7}{741} = \frac{29}{39} \times \) 2: 7B) Fund: \(\frac{7}{7441} = \frac{7}{39} \times \) 2: 7B) Fund: \(\frac{7}{7441} = \frac{7}{39} \times \) 2: 7B) Fund: \(\frac{7}{7441} = \frac{7}{39} \times \(\frac{7}{39} \times \frac{7}{39} \times \frac{7}{39} \times \fra	val for females we nivel for males.
210) n	11/22 (570) (8049) = 1/2310 % 52.369 The adds of fatalis accident when not wen	8 33.6
	122 = (302)(494) = 198694 ×219.86 -> (219.86) × \$5.393 ±0.446 (34)(53) = 901 ×219.86 -> (219.86) × \$5.393 ±0.446 (6) = (1,96) (302+494+34+35 × 0.445 + 13 × 0.446	
White Black	Demoratio Replican Independent Total X====================================	12 (184.3231) (127) 2213.90101 (2)-1 ((3)-1)=[2] Je (reject Ho 2)

2,17B) Personatio Rep 12.99945 12,99945 0,53262 $G_{1}^{2} = 2 \sum_{i=1}^{2} \sum_{j=1}^{2} n_{ij} \ln \left(\frac{n_{ij}}{\mu_{ij}} \right) \approx 213.6202$ $G_{2}^{2} = G^{2} - G_{1}^{2} = (213.9011) - 213.6202 = [0.2809]$ 2.17c) Democratic Republican to 871 (990.32003)821 (701.67996) 1692 Black 347(227,67996)42(161.32003) 389 2081 Democrats and Republicans than between observed and expected Republicans combined and Independents valid to apply a xtest of over 100, indicating number of subjects who did not choose the factor. 2.28) Clinic Drug Socres Failur 70 60%-60%=20%-20%=0% 100 50%-33.3%=16.6% 60 100-60=40 B 190-75=25 100 60 200 32 20 2.304) True 20/20 20 133 2:308/False 2.30c) True 2.300) False table because it 2.30E) True apparent association