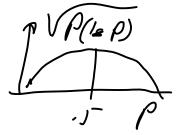
STT 200 4-6-09 CHECK & EXAMPLE car-buying public? We at Kelley Blue Book asked 500 potential new-

car-buying public? We at Kelley Blue Book asked 500 potential newuestions that yield answers to that multi-billion dollar question. Their



Asked "How likely would you be to buy a <u>car</u> from General Motors if they were to go bankrupt," 42.1 percent of new-vehicle buyers said they were either "not at all likely" or "not very likely" to do so.

SUMMORRY, KELLY BLUE BOK SURVEY OF SOO "BIENTIAL NEW VEHICLE BUYERS." NSKED "HOW LIKELY TO BUY SIM VEH, IF SIM GOES BANKRUPT." A BOSIBLE RESPONDE LE NOT LIKELY."
TO WAICH 42,1 ANSWER.

NAIVE 3-BASED CI FOR p: \$\frac{1}{2}\frac{1}{9}\frac{1}{10}\frac{1

In Depth: Commentaries

Even with a warranty guarantee from the federal consumers are not very enthusiastic about considerable Such a guarantee only moves the needle about to

points with 39.8 percent saying they were either "not at all likely" or "not very likely" to vehicle in such a situation.

410 GOVÍ WARRANTY BACKUP P=.42/ TOBUY. NAINE 3-BASED 91% CI FOR P: .398_T1.96_ Merence? .421-,398 pickEDUP(SONE 0-1).023 CI (NAIVE ONE) REDWIKES CLT_ AND WILL NOT BE SO ACCURATE (VIS, 9V-) IF M TOO SMALL OR ProoRphil. SWET P=. 023 20 WE ARE CONCERNED THAT NAINE CI MAD BE "NOT DOING THE JOB AS PROMISED."

Asked, "How likely would you be to buy a car from General Motors if they were allowed had to renegotiate their contracts and agreements with suppliers and laborers?" the Given that scenario, only 31.6 percent of new-vehicle buyers said they were either "new very likely" to purchase a GM vehicle, and they were out-numbered by the 41.5 percent either "very likely" or "extremely likely" to do so.

NSIDE 9498 CH19 DISCUSS WILSON 1927 IMPROVEMENT ON NAIVE CI - BETTER HANDLE MX 00 PNO SI PN/ TAKEN UP IN 1998 BY AGKESTI'+ COULL - SIMPLIFIED, IDEA: GOP P=1023 (n=500) = 1/2/200 EFADA. SUPPOSE N=500 FOUND X=12 "SALVAGEN" BY GOVT WARRANTY BACKUP, " THEN P= 12 =,024 1 STEAD A-C SUPPEST FORMING TO (NTIDE)=M+4 AND $\widehat{\rho} = \chi + \chi$ $\widehat{g} = m - \chi + \chi$ RESENT (MSE) $\widehat{n} = S00+4 = S04$, $\widehat{\rho} = \frac{12+2}{S04} = \frac{14}{504} = .028$, $\widehat{g} = .972$ 724EN GING 197B(T). $\widehat{\rho} + 1.96 \sqrt{pg/n} = .028 \pm 1.96 \sqrt{S04}$

BETTER CIEXISD FOR P. RETURN TO NAIVE 3-BASED CI FOR P. Jay n=500 AND EMOE = .02 (TUSTSAY) t. 02 REALLY WANT LIKE P_t,005 CT pt, 02 PRECISE ONLY WAY TO GET IT 15 (4) improve you p. oz (b) MCREASE M (MAYBE PO WON'T SIMPLY EDUNTE 1.96 VPP -, ous Paission low Selve For m.

4-6-096 CH19; car-buying public? We at Kelley Blue Book asked 500 potential new-LOOK AT Babed uestions that yield answers to that multi-billion dollar question. Their FOR RECITATION Asked "How likely would you be to buy a car from General Motors if they were to go bankrupt," 42.1 percent of new-vehicle buyers said they were either "not at all likely" or "not very likely" to do so. KELLY BLUE BOOK SURVEY SAMPLE OF SOO LIKELY CAR ASK DIF GMM. BOES BANKRUPT" HOW LIKELY YOUBUY FROM OM? CZERRLY W ANS. 42,19 SAY NOT AD ALL LIKELY OF NOT VERY LIKELY TO. NAIVE 95% CI FOR p = FRACTION OF POP RESPONDING NOT UKELY 15 P+(3) 196 VPF (m) = .42/\$ 1.98 1.421.579 Claim: P(BpMEANP But may FAIL (VIS.95) IF nx 20 02 p~0 02 p~1.



- Commentary: GM cniet sacked due to AIG woes
- In Depth: Commentaries

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2) (SAME SOO PEOPLE) IF GAM, GOES BANKRYPRY + GOVT BACKS WARRANDY THEN NEG RESPONSE DROPS FROM 42,1% TO 39.8% CHANGE 15, 421-.398=.023 CALL THIS P = 1023 ~ 0 TROUBLE? AP494-495 SEE THERE ABRESTI'-COULL-WILSON REMEDY OFFERED! ANTHEY LAND 12=X RESPONDING NEO OF ,023 OF 500 Propose to X+2=12+2 Also n=500+4=504 2.32500 DEFINE P = 14/504 8 = 490/504

RECAP. FOUND X=12 "TURNED OPINION" IN SOO P= X= 1200 LEADS TO P~O. REMITOY "ADD 2 (FAKE RESPONSES) TO P & GROUPS-TILDE = 14/4, 8= 490 N=504 THEN, IT IS SUPPESTED, TUST DO "REG" CIT. TO SAY- P + 1.98 UP & CLAIM P(p'N" ABOVE CI) 2,95 EVEN THOUGH
P(PASWELL) JUDGE METHOD BY BENFORMANKE ~O. * A THERE ARE BETTER METHODS **

ANOTHER 155UE RECISION ILLUSTRATE W/ NAIVE METHOD PRECISION - WANT IT TO BE ~ O Suppost YOU FUND FOR M=500 P=42/ PRECISION 15 (1.96 1.421,579) PRETISION PRECISION.00/

TO GET PRÉCISION, 001 DUF FOR M