

b. No, since the true parantage of voters and -2%. planned to support Measurement X is If the interval contains 0, it means that between 46% and 52%, it is possible the true value can be o within the 95% confidence, and in this case there are that it is large or equal to 50%. the same proportions of Democrats and Republicans C. The results are likely to be biased who agreed with the statement. because the sample only consists of people A positive value means that there is a larger in Miami, it does not consider other proportion of Democrats who agreed with the Ein Florida outside Miami. Therefore, statement than the Republicans. the sample is not a good representation A negative value means that there is a larger of the population (all voters in Florida) proportion of Republicans who ogreed with the statement than the Democrats. $58. a. 50\% \times 30 = 15$ b. 31 1 − 80% × 30 = 301 − 24 = 6 since B. a. for Profeschool group, 16+16 = 50% The expected since 80% ×30 gives us for No Preschool group, 21+18 = 53.8% This opes not suggest that preschool is linked the expected number of intervals that coptive with a higher graduation rate since the porcentage 50%, 30 - 80%×30 is the number of interval expected to not capture \$1%. of the Preshool group is smaller b. Random and Independent: jt is given that the samples are random and independent.

Large sample: 50%: 32 = 50%: 32 = 16 710 62, a =203+1974 = 0.10284 '53.8%·39=20.982>10, (1-538°)·39==|8.018710€ Find the large suppose 0.10284 - 1.965E = 0.08951 Big Population: There are over 320 boys who 0.10284 + 1.96 · SE= 0.11617 took preschool and over 390 bays who The 95% confidence interval is (0.0895), 0.11617) did not take preschools something C. That is not plausible, because C- iii is the 0.30 € CO.08951,0.11617) d. It would to mider. 64. This confidence interval means that we are 95% confidence that the true value of the afternice for the proportions of Republicans and Democrats, is between -13%. who agreed with the statement