From the below explanation, the statement above is true. Consider testing a claim about a population mean u. Let Ho: u= ho and assume that \sigma^2 is renknown. For X, ..., Xn id N(u, o2) where n = 30; or first random sample X1,..., Xn from a pop w/
finite mean u, finite variance o², and large sample
5172e (2750) $z = \frac{\overline{X} - M_0}{S} \text{ after } N(0,1)$ If Z = 2 falls with in MM, the we reject Ho Otherwise, we fail to reject Ho