3.2 
$$V_{\xi} = \beta_{0} + \beta_{0} + k \cdot X_{\xi}$$
 $V_{\xi} = \frac{1}{n} \times V_{\xi} \cdot \frac{1}{n} \times (m \cdot e_{\xi} - e_{\xi-1}) = m \cdot \frac{1}{n} \times (e_{\xi} - e_{\xi-1}) = m \cdot \frac{1}{n} (e_{n} - e_{0})$ 
 $V_{\alpha r}(\vec{Y}) = V_{\alpha r} (M + \frac{1}{n} (e_{n} - e_{0})) = \frac{1}{n^{2}} V_{\alpha r} (e_{n} - e_{0}) = \frac{1}{n^{2}} (\delta_{e}^{2} + \delta_{e}^{2}) = \frac{2\delta_{e}^{2}}{n^{2}}$ 

It's unusual for the SAMPLE SIZE TO HAVE A 132G

IMPACT ON THE VARIANCE.

 $V_{\xi} = m \cdot e_{\xi}$ 
 $V_{\xi} = m \cdot e_{\xi}$ 
 $V_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi}) = m \cdot \frac{1}{n} \times e_{\xi} = m \cdot e_{\xi}$ 
 $V_{\alpha r}(\vec{Y}) = V_{\alpha r} (m \cdot e_{\xi}) = V_{\alpha r}(\vec{e}) = \frac{\delta_{\xi}^{2}}{n}$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi-1}) = m \cdot \frac{1}{n} \times (e_{\xi} \cdot e_{\xi-1})$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi-1}) = m \cdot \frac{1}{n} \times (e_{\eta} \cdot e_{\xi} \cdot e_{\xi-1})$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi-1}) = m \cdot \frac{1}{n} \times (e_{\eta} \cdot e_{\xi} \cdot e_{\xi-1})$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi-1}) = \frac{2(2n - 1)\delta_{\xi}^{2}}{n^{2}}$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi} \cdot e_{\xi-1}) = \frac{2(2n - 1)\delta_{\xi}^{2}}{n^{2}}$ 
 $V_{\xi} = m \cdot e_{\xi} = m \cdot e_{\xi} = m \cdot e_{\xi}$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi} \cdot e_{\xi})$ 
 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot e_{\xi} \cdot e_{\xi} \cdot e_{\xi})$ 
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 $V_{\xi} = m \cdot e_{\xi} = \frac{1}{n} \times (m \cdot$