

## KİTLE PARAMETRESİ $\sigma^2$ İÇİN HİPOTEZ TESTLERİ VE $\%(1-\alpha)\times 100$ GÜVEN ARALIKLARI

Yokluk Hipotezi: $H_0$	Test İstatistiği	Alternatif Hipotez: $H_1$	Kritik (Red) Bölge	$\%(1-\alpha)\times 100$ Güven Aralıkları
$\sigma^2 = \sigma_0^2$	$\chi_t^2 = \frac{(n-1)S^2}{\sigma_0^2}$	$\sigma^2 < \sigma_0^2$	$\chi_t^2 < \chi_{n-1, \alpha}^2$	$\frac{(n-1)S^2}{\chi_{n-1, 1-\alpha/2}^2} < \sigma^2 < \frac{(n-1)S^2}{\chi_{n-1, \alpha/2}^2}$
		$\sigma^2 > \sigma_0^2$	$\chi_t^2 > \chi_{n-1, 1-\alpha}^2$	
		$\sigma^2 \neq \sigma_0^2$	$\chi_t^2 < \chi_{n-1, \alpha/2}^2$ $\chi_t^2 > \chi_{n-1, 1-\alpha/2}^2$	
$\frac{\sigma_1^2}{\sigma_2^2} = 1$	$F_t = \frac{S_1^2}{S_2^2}$	$\frac{\sigma_1^2}{\sigma_2^2} < 1$	$F_h < F_{n_1-1, n_2-1, 1-\alpha}^*$	$\left(\frac{S_1^2}{S_2^2}\right) \frac{1}{F_{n_2-1, n_1-1, \alpha/2}} < \frac{\sigma_1^2}{\sigma_2^2} < \left(\frac{S_1^2}{S_2^2}\right) F_{n_1-1, n_2-1, \alpha/2}$  $F_{n_1-1, n_2-1, 1-\frac{\alpha}{2}} = \frac{1}{F_{n_2-1, n_1-1, \frac{\alpha}{2}}}$
		$\frac{\sigma_1^2}{\sigma_2^2} > 1$	$F_h > F_{n_1-1, n_2-1, \alpha}^*$	
		$\frac{\sigma_1^2}{\sigma_2^2} \neq 1$	$F_h < F_{n_1-1, n_2-1, 1-\alpha/2}^*$ $F_h > F_{n_1-1, n_2-1, \alpha/2}^*$	