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Q.3 Formula

	A	B	C		$k = 3$
$n =$	6	7	4		
$T =$	523	661	346		

$$\boxed{T_i = \sum_j y_{ij}}$$

Complete $T = 523 + 661 + 346$

$\qquad = 1530$

$n = 17$

$$SS_T = \sum_i \sum_j x_{ij}^2 - \frac{T^2}{n}$$

$$= 138638 - \frac{1530^2}{17} = 938$$

$$SS_B = \frac{523^2}{6} + \frac{661^2}{7} + \frac{346^2}{4} - \frac{1530^2}{17}$$

$$= 234.45$$

$SS_W = 703.55$

$MS_B = 117.225$, $\qquad MS_W = 50.25$

$\boxed{F = 2.332}$ ✻

$\boxed{F > 19.45}$ Rejection

we accept the Null
hypothesis