

Fill in the table below with data on Unemployment rate (x) and Suicides per million people (y)

i	x_i	$x_i - \bar{x}$	$(x_i - \bar{x})^2$	y_i	$y_i - \bar{y}$	$(y_i - \bar{y})^2$	$(x_i - \bar{x})(y_i - \bar{y})$
'68	3.6			107			
'69	3.5			110			
'70	4.9			115			
'71	5.9			117			
'72	5.6			120			
'73	4.9			120			
'74	5.6			121			
'75	8.5			127			
'76	7.7			125			
'77	7.0			133			
'78	6.0			125			
Σ			$= SS_x$			$= SS_y$	
Σ/n	$= \bar{x}$			$= \bar{y}$			
$\Sigma/(n-1)$			$= \text{var}(x)$			$= \text{var}(y)$	$= \text{cov}(x, y)$

SS_x and SS_y are the "sums of squares" of x and y , respectively
 $\text{var}(x)$ and $\text{var}(y)$ are the *sample* variances of x and y , respectively
 $\text{cov}(x, y)$ is the *sample* covariance between x and y