i	x_i	y_i	$x_i-\bar{x}$	$(x_i-\bar{x})^2$	$y_i-\bar{y}$	$(y_i-\bar{y})^2$	$(x_i-\bar{x})\bullet(y_i-\bar{y})$
(Country)	(GDP)	(PEDs)					
Australia	48	1.2	14	196	-1.1	1.21	-15.4
Canada	63	0.7	29	841	-1.6	2.56	-46.4
Colombia	17	2.5	-17	289	0.2	0.04	- 3.4
Dominican	9	3.9	-25	625	1.6	2.56	-40.0
JapanTaiwan	53	1.6	19	361	-0.7	0.49	-13.3
Mexico	18	3.2	-16	256	0.9	0.81	-14.4
PuertoRico	26	2.4	- 8	64	0.1	0.01	- 0.8
USA	56	1.0	22	484	-1.3	1.69	-28.6
Venezuela	16	4.2	-18	324	1.9	3.61	-34.2
Σ			$SST_x =$	3440	$SST_y =$	12.98	-196.5
Σ/n	34	2.3		382.2		1.44	-21.83
	$= \bar{x}$	$= \bar{y}$		= var(x)		= var(y)	= cov(x,y)

Slope: $\widehat{\beta_1} = \dfrac{cov(x,y)}{var(x)}$

Intercept: $\widehat{\beta_0} = \bar{y} - \widehat{\beta_1}\bar{x}$

i	y_i	$\widehat{y_i} = \widehat{\beta_0} + \widehat{\beta_1}x_i$	$\widehat{u_i} = y_i - \widehat{y_i}$	$\widehat{u_i}^2 = (y_i - \widehat{y_i})^2$	$(x_i-\bar{x})\bullet u_i$
(Country)	(PEDs)	(Fitted)	(Residuals)		
Australia	1.2	1.50	-0.30	0.09	-14.41
Canada	0.7	0.64	0.06	0.00	3.56
Colombia	2.5	3.27	-0.77	0.59	-13.11
Dominican	3.9	3.73	0.17	0.03	1.55
JapanTaiwan	1.6	1.21	0.39	0.15	20.42
Mexico	3.2	3.21	-0.01	0.00	-0.25
PuertoRico	2.4	2.76	-0.36	0.13	-9.28
USA	1.0	1.04	-0.04	0.00	-2.43
Venezuela	4.2	3.33	0.87	0.76	13.95
Σ				SSR = 1.75	
Σ/(n-2)				$\widehat{\sigma^2}$ = 0.25	

$\widehat{\sigma}$ = 0.50

Standard error of slope: $se(\widehat{\beta_1}) = \sqrt{\dfrac{\widehat{\sigma^2}}{SST_x}} = \dfrac{\widehat{\sigma}}{\sqrt{n-1}\cdot s_x} =$

Standard error of intercept: $se(\widehat{\beta_0}) = \sqrt{\dfrac{\widehat{\sigma^2}}{SST_x}\cdot\dfrac{\sum x_i^2}{n}} =$