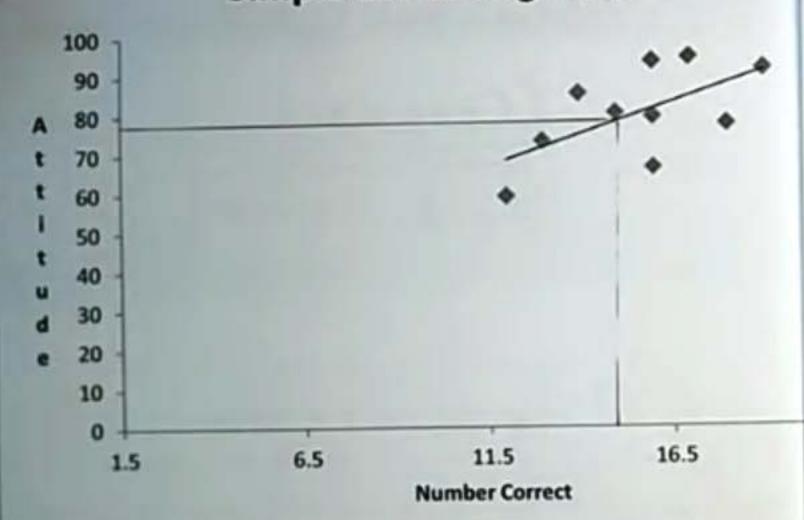
DAGA SOLLES (SACKIND, 2014)

# CORRECT (T)	ATTITUDE (4)	The l
17-	94	
13	73	
12	73	
15	80	
16	93 35 66	
14	85	
16	66	
16	79	
18	77	
19	91	

Simple Linear Regression



Linear Regression Function

$$y = a + bx$$

Slope (b) of Regression Line

$$b = r \frac{S_y}{S_x}$$

Y-Intercept (a) of Regression Line

$$a = \overline{y} - b\overline{x}$$

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# CORRECT (2)	ATTITUDE (4)	(x-\(\bar{\pi}\)	(4-4)	(x- \(\frac{1}{2}\) \(\frac{1}{2}\)	$(\chi - \tilde{\chi})^2$	(4-5)2	
	94	1.4	14.3	20.02	1.96	204.49	
17-	73	-2.6	-6.7	17-42	6.76	44.89	
	59	-3.6	-20.7	74.52	12.96	428-49	
12	80	-0.6	0.3	-0.18	0.36	0.09	
	93	0.4	13.3	5.32	0.16	176.89	
16	85	-1.6	5.3	-8.48	2.56	28.09	
14	66	0.4	-13.7	-5.48	0.16	187 -69	
16	79	0.4	-0.7	-0.28	0.16	0.49	L
16	77	2-4	-2.7	-6.48	5.76	7-29	
13	91	3.4	11.3	38.42	11.56	127-69	
· = 15.6	y = 79.7			Z= 134.9	Z = 42.4	Z = 1206.1	
PENSON CORRECATION CO	DEFFICIENT (+)	Sy = /:	Z(y-9)2	A = -	=	0.596	*
$r = \sum ((x-\bar{x})(y-\bar{y}))$ $= \int \frac{1206.1}{9}$		= 3.178					
$\int \Sigma (x-\bar{z})^2 \sum (y-\bar{y})^2 = 1(.576)$		a=y-l=					
$r = \frac{134.8}{x} = \frac{5(x-\bar{z})^2}{m-1}$		= 79.7 - 3.178 × 15.6					
		= 79.7-49.577					
J 42.4 X	$\sqrt{42.4 \times 1206.1}$ = $\sqrt{\frac{42.4}{9}}$		= 30.123				
= 0.596			y= a + b x = 30.123 + 3.178x				
		= 2.	(7)	= 30.123	+3.1182	-) - 22	24

y = 30.123+(3.178+15) = 77.803