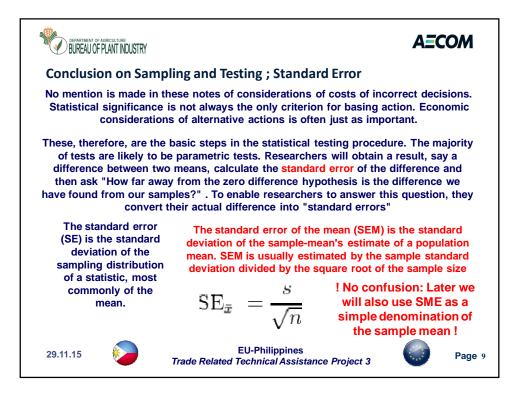
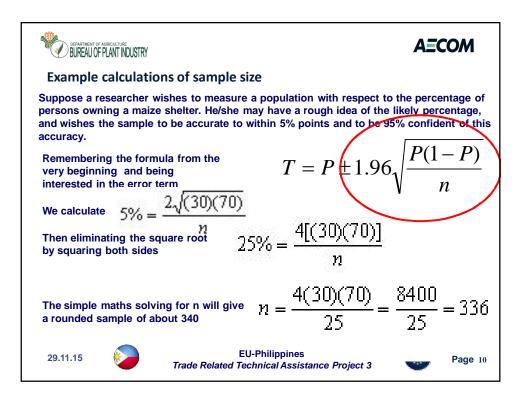
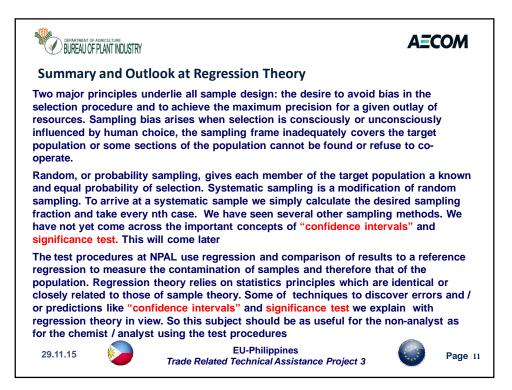
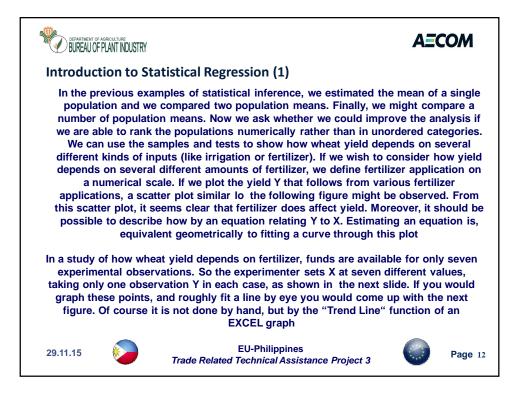


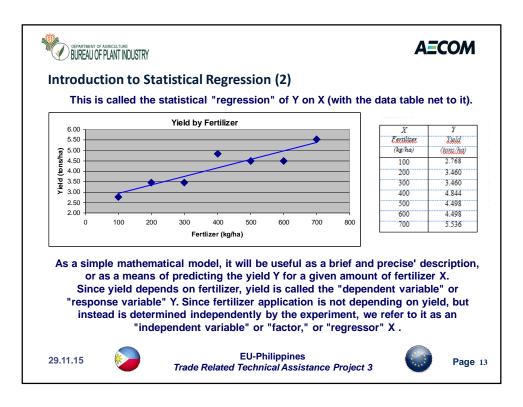
ype I errors and type II errors	5	
	ects the ratio of correct and incorrect cance level there are four alternatives	
Correct Conclusion	Incorrect Conclusion	<b>Error Type</b>
Accept a correct hypothesis	ept a correct hypothesis Reject a correct hypothesis ct an incorrect hypothesis Accept an incorrect hypothesis	
Reject an incorrect hypothesis		
it is more important to avoid ac	fidence coefficient (low value of x) will cepting a false hypothesis, a low cont	

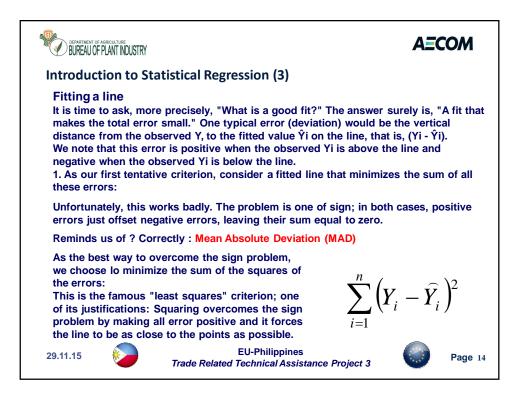


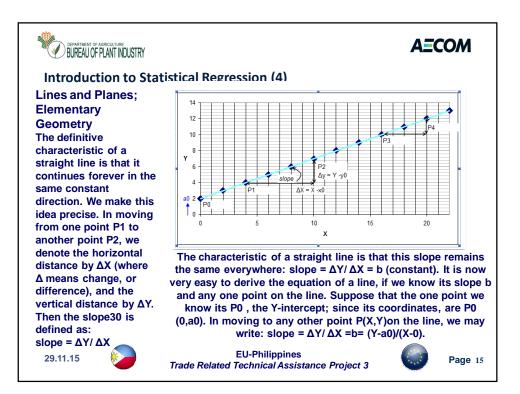




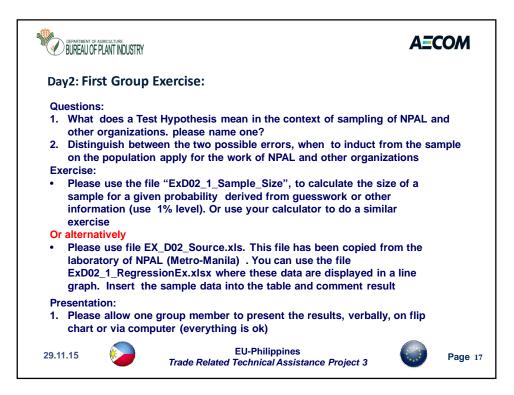




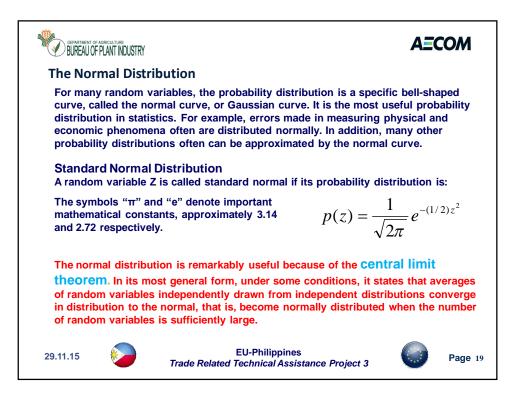


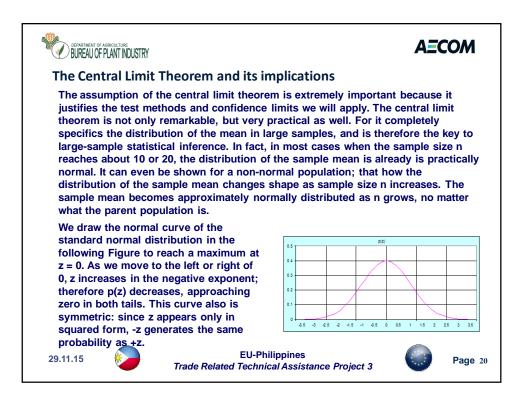


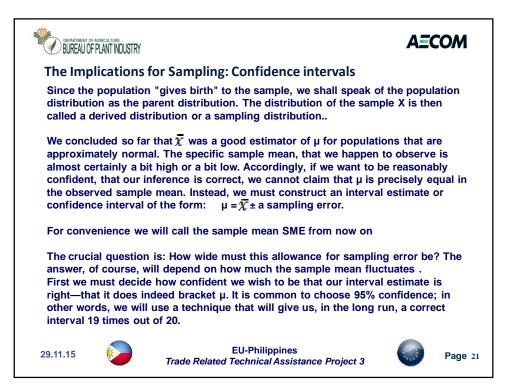
Introdu	OF PLANT IND		tistic	al Re	gressi	ion (!	5)		
After tran intercept The leas	nsforma and b st squa	ation w the slo ares s	ve arri ope. olutio	ve at t on	he equ	ation	of a li		10+bX, where a0 is the
5.90 5.40	ctive is	to fit a	a line:	Ŷ - a0 zer + Reg	+ bX <sup>-</sup>	The ge	eometi	egression	re graphed in the Figure nes . Without mathematical calculation: If we could apply the least square calculation, we obtain the regression equation
(rev 4.40 4.40 3.90 2.90 1.40 1.40 0	+	200	300	400	500	600	700	800	as $\hat{Y} = 2.521 + 0.0041^*X$ . Not surprisingly the scatterplot of the Regression values will be the trend line if the
			Fe	rtlizer (kg	/ha)				translated regression values would be connected (Literature[1]

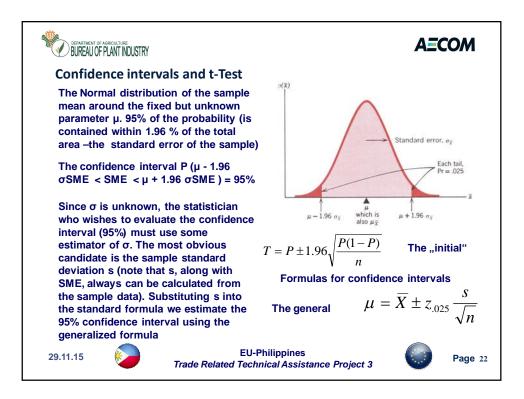


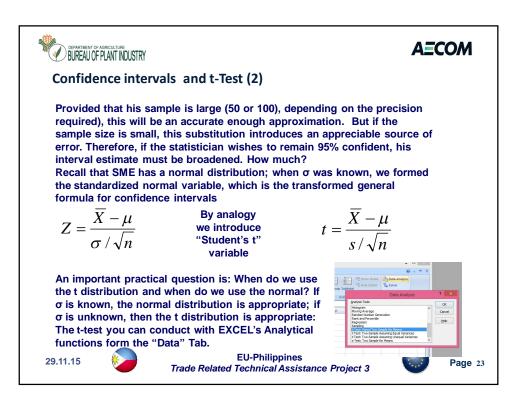




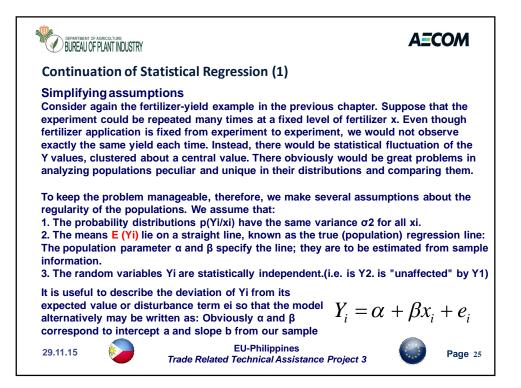


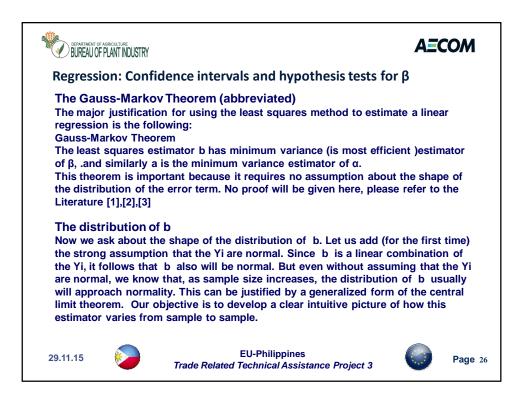


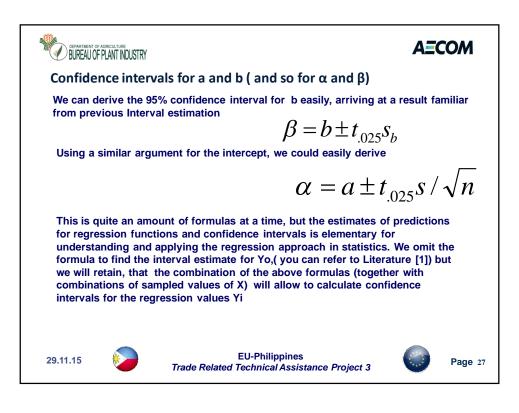


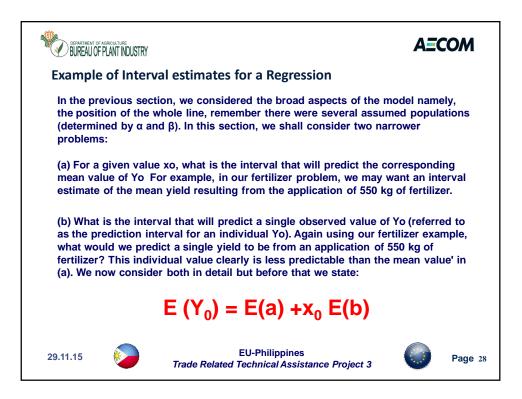


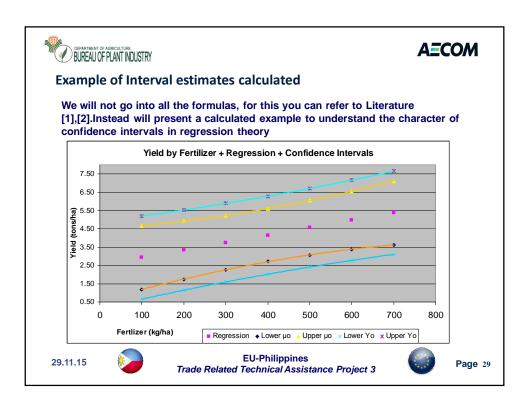
Hypothesis Testing Using	g Confidence Intervals	
		ence interval may be judged
implausible or rejected. On		
confidence interval may be		
confidence interval may be		
Example:	Men (X1) Women (X2)	A husband claims that there
At a large American	14 12	is no difference between the
university in, the male and	17 8	salary means that is, if we
female professors were	14 10 15 16	denote the difference as H.
sampled independently,	12	claims that: $H = 0$ , his wife,
yielding the following annual		however, claims that the
salaries (in ten-thousands of	19	difference is as large as
dollars, rounded):	22	seven thousand dollars: H=
The short-cut calculation of t	he 95% confidence interva	
value for $95\% = 2.16$ :The foll means in independent sampl So it translates to the Hypoth = $5.0 \pm 2.16(1.87)$ this means Thus, with $95\%$ confidence, H = 0 seems implausible, becau	es when population variar nesis: H = (SME1 - SME2) $\pm$ = 5.0 $\pm$ ~4.0 H is estimated to be betwee	t.025 * SE $\sqrt{(1/n1 + 1/n2)}$ en 1 and 9. Thus the claim A

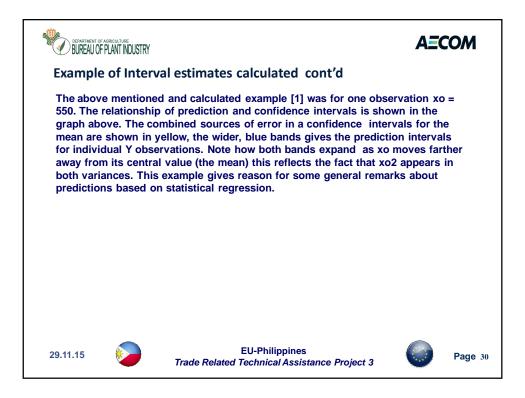


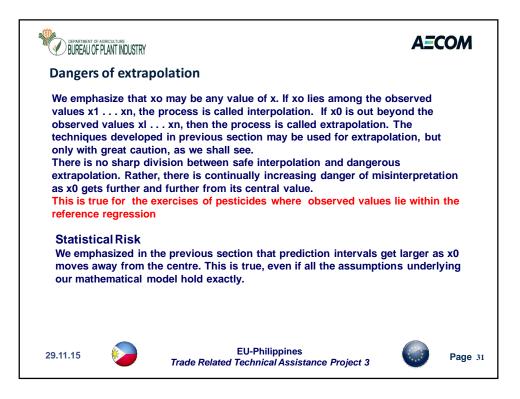


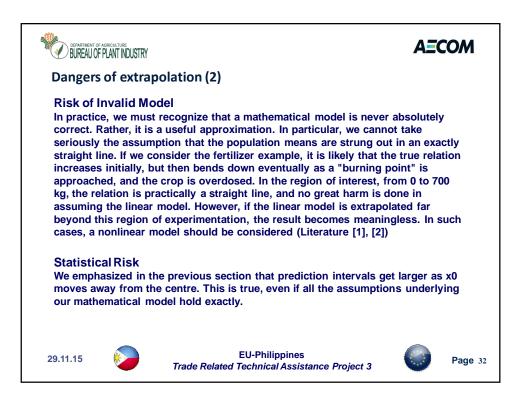


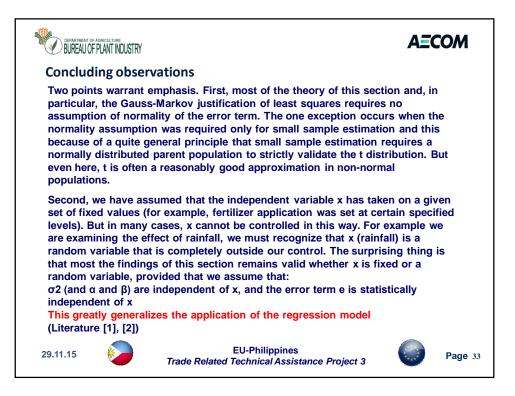




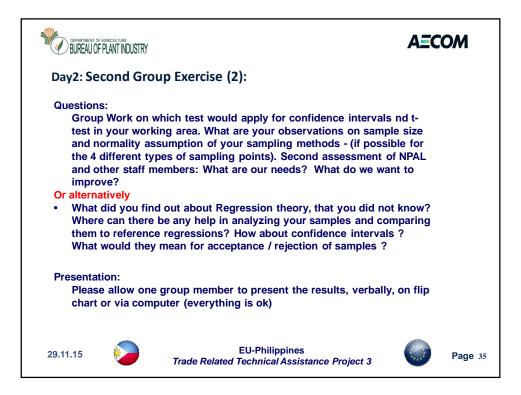








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29.11.15	EU-Philippines Trade Related Technical Assistance Project 3	Page 34



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29.11.15		EU-Philippines Trade Related Technical Assistance Project 3	Page 36

