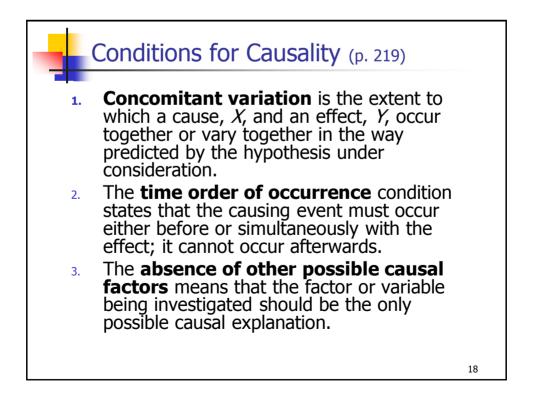
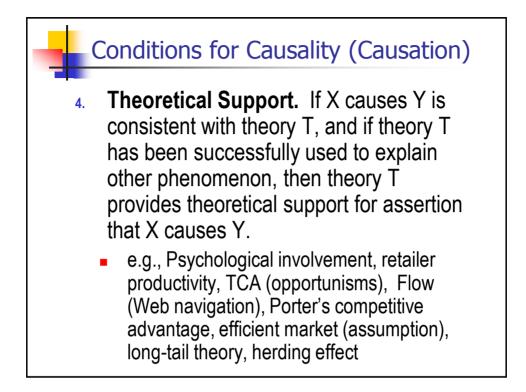
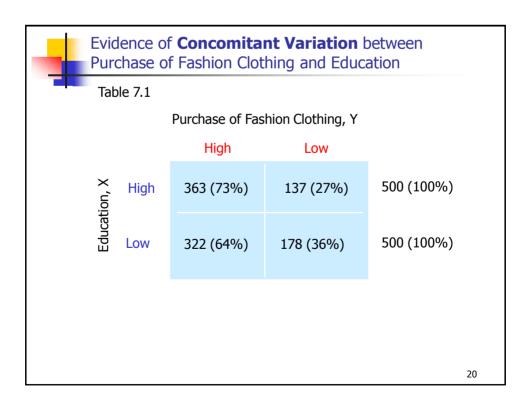
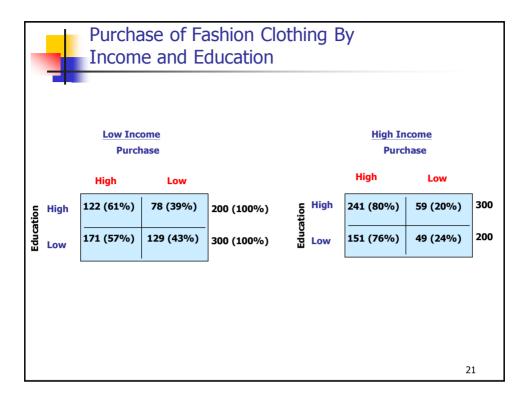


following meaning to an	causes Y'' will have the ordinary person and to a ad-sales, stock price, consumer satisfaction
Ordinary Meaning	Scientific Meaning
X is the only cause of Y.	X is only one of a number of possible causes of Y.
X must always lead to Y (X is a deterministic cause of Y).	The occurrence of X makes the occurrence of Y more probable (X is a probabilistic cause of Y).
It is possible to prove that <i>X</i> is a cause of <i>Y</i> .	We can never prove that X is a cause of Y. At best, we can infer that X is a cause of Y.

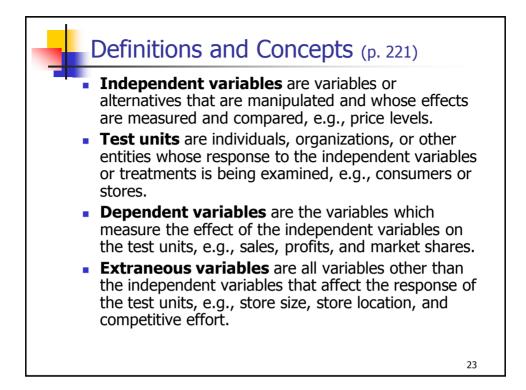


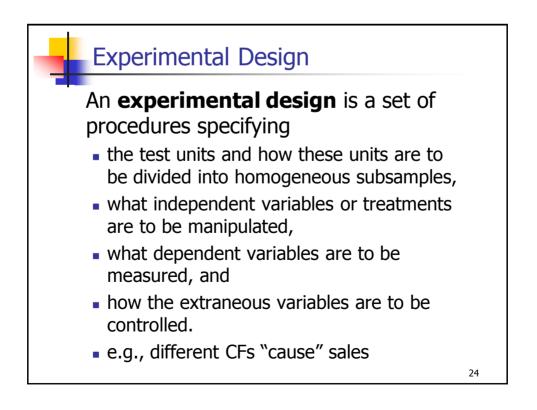


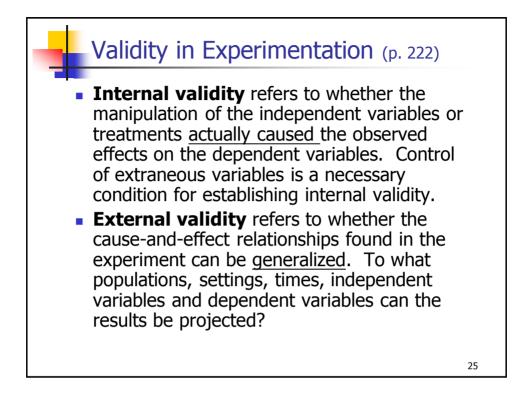


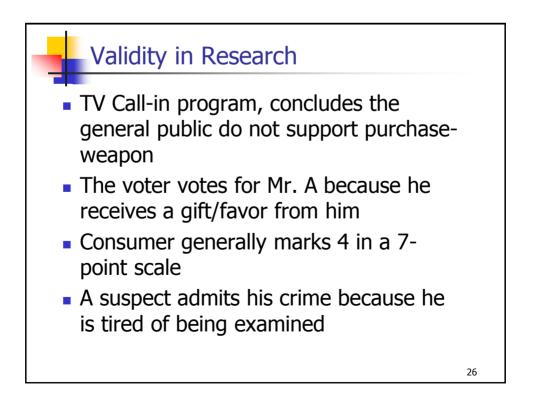


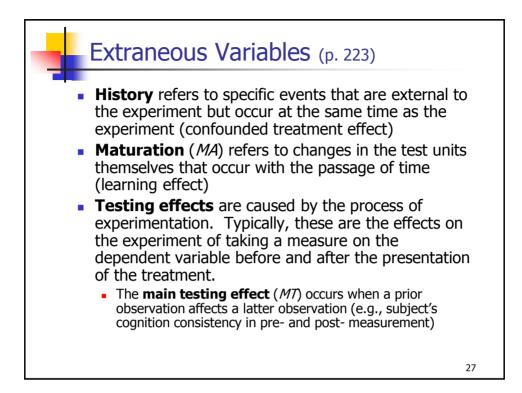
			TABLI	E 1				
		Cure	d Not cu	red Total Succ	ess rate			
	Day-care	20	20	40	50%			
,	Residential car	r e 16	24	40	40%			
	Fotal	36	44	80				
-								
				TABLE	2			
		Ea	sy cases	TABLE	2	На	rd cas	es
		Ea: Not	sy cases		2	Ha Not	rd cas	
			sy cases Total	<i>TABLE</i> Success rate	2 Cured	Not		es Success rate
Day-care		Not				Not		
Day-care Residential car	Cured C	Not Cured	Total	Success rate	Cured	Not cured	Total	Success rate

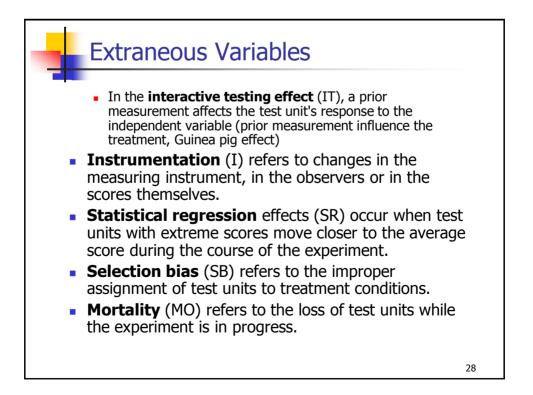


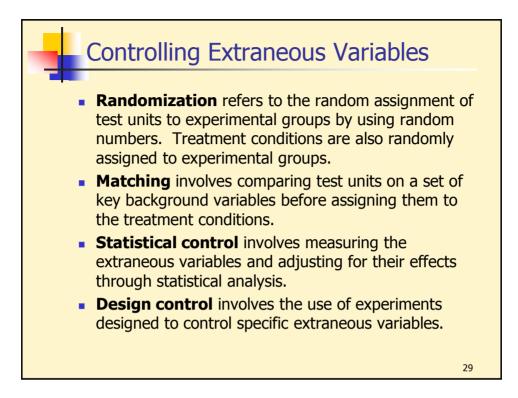


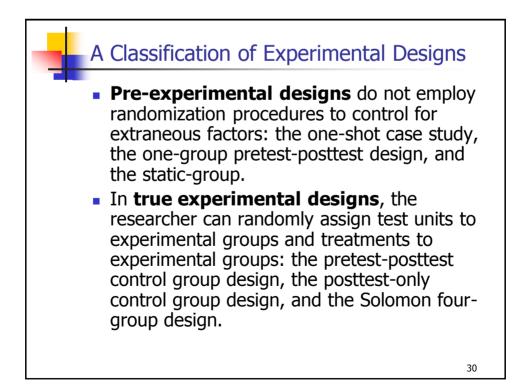


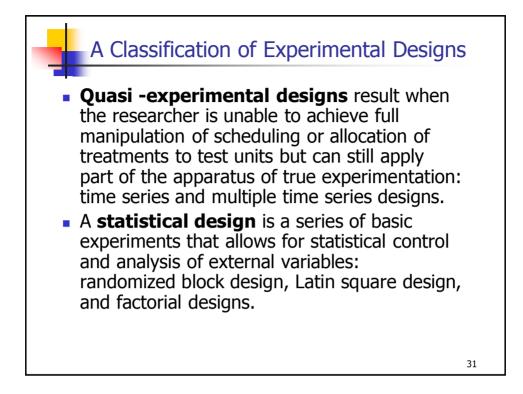


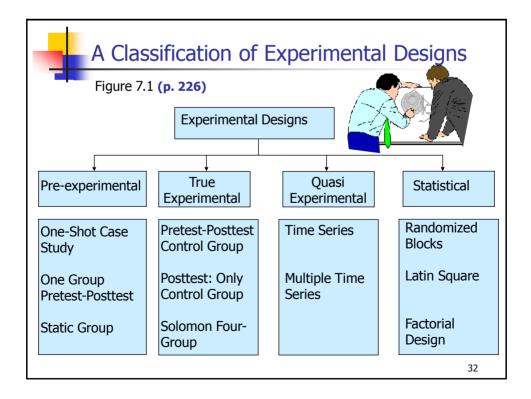


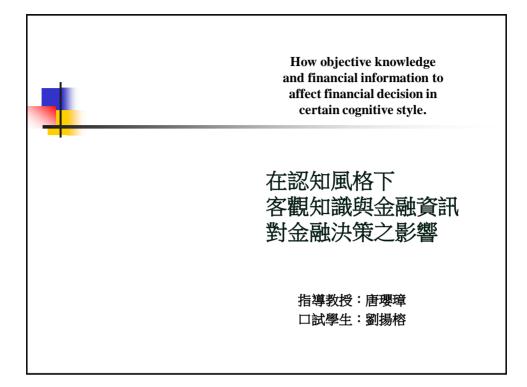


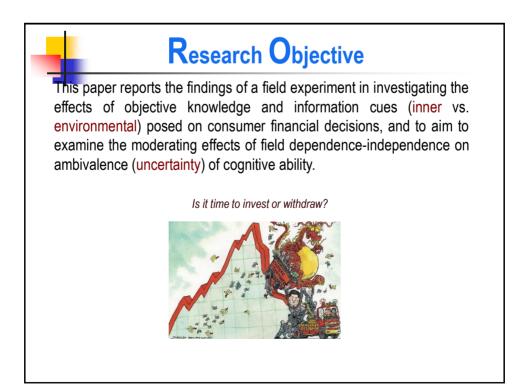


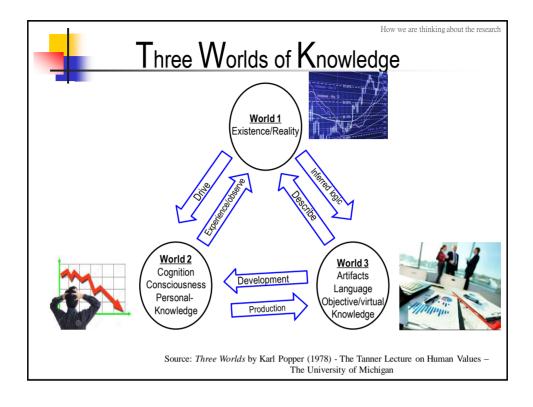


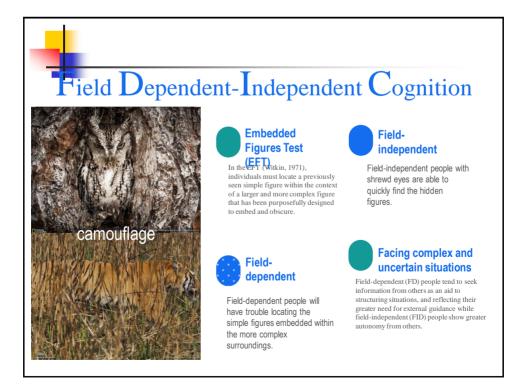


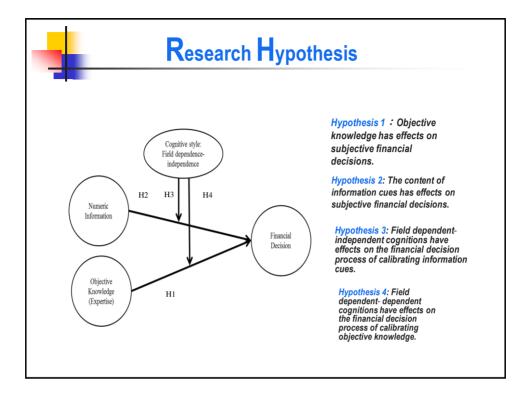






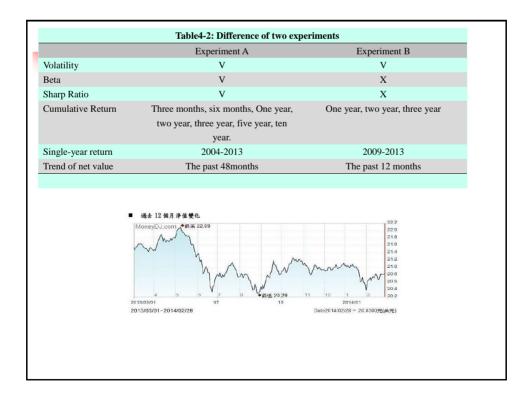






Experiment I	Experiment II
•	V
-	_
Three months, six months, One year, two year, three year, five year, ten	One year, two year, three year
	2009-2013
	The past 12 months
	V V V Three months, six months, One year,

			Fable4-1: Ex	periment Desi	gn		
			Numeric	Information			
		igh			Le)W	
	Cognit	ive style			Cogniti	ve style	
Field dep		Field inde	-	Field dep		Field inde	
Objective I	bjective Knowledge Obje		Objective Knowledge		Knowledge	<i>Objective</i>	Knowledge
High	Low	High	Low	High	Low	High	Low
	А. В. С. Е.						

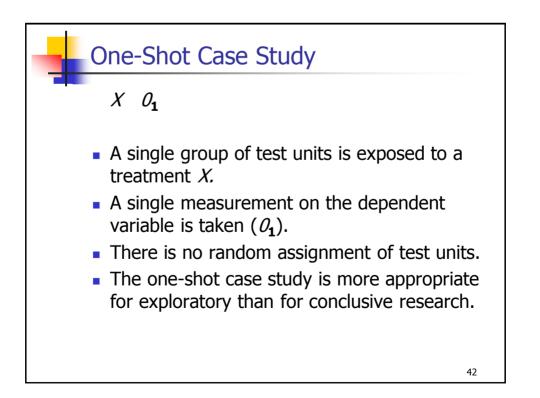


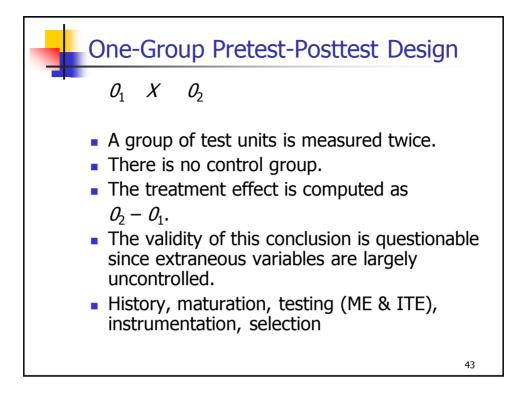
	Tabl	le 5: A	NOVA An	alysis for S	tage1	
	Source	F Val	ue F	Pr > F	R-Square	Mean of I Fund
	Model	2.28	0	.0615*	0.041693	12.10698
	Risk Appetite	0.49	0	.4858		
	Numeric information	0.11	0	.7417		
	Cognitive Style	1.03	0	.3104		
	Numeric information* Cognitive Style	6.33	0	.0126**		
-	Table 6 Source≠	: AN	OVA Ana F Value	lysis for S	tage2= R-Square	Mean B Fun
Model			2.150	0.0325*	*.0.077147	
Risk Ap	petite		0.370	0.5462e	ø	e
Numeri	c information.		0.050	0.82160	e.	÷
	ve Style#		1.21@	0.27170		ø
	c information*CognitiveS			0.0274*		ę
	ve Knowledge ve Knowledge *Numeric		5.08	0.0253*		ç
informa			0.120	0.7263@	ę	ę
	ve Knowledge * Cognitive S	tyle∉	0.20	0.6553@	ę	ę
Objectiv	/e Knowledge *Numeric tion * Cognitive Style/		0.08	0.7746@	ç	e e e e e e e e e e e e e e e e e e e

ANOVA Test

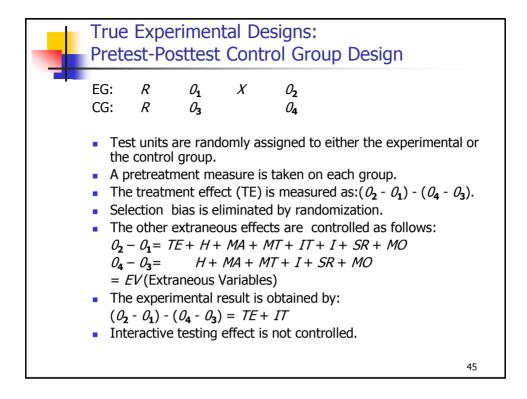
Every subject has NT\$100K to purchase 20 units of funds and can decide allocating the capital between two funds, and also choose to invest in full capital. The financial decisions for the number of higher risk commodities, i.e., B fund, is dependent variable.

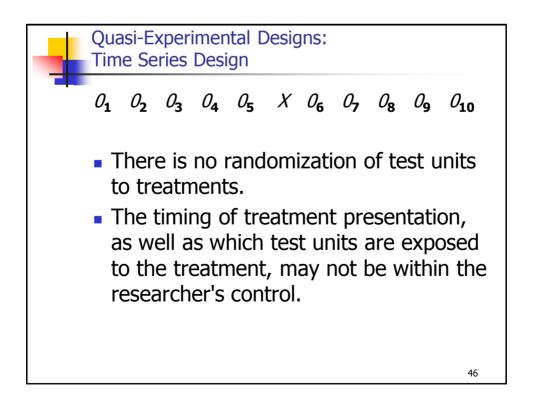
Result shows that fieldindependent people with proficiency in EFT are more sensitive to catch complicate numeric information than fielddependent people do, but having no interaction with objective knowledge.

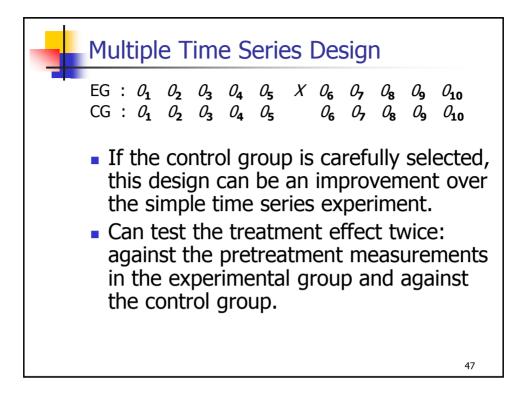




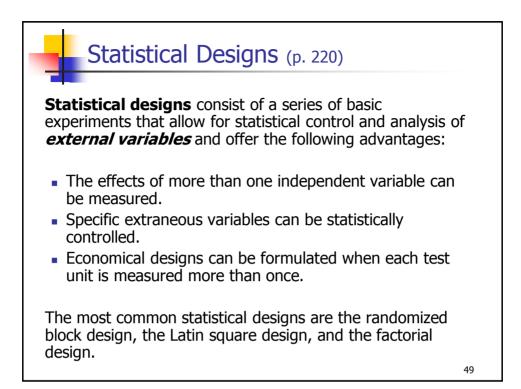
-	Static Group Design					
-	EG: X O_1 CG: O_2					
	A two-group experimental design. The experimental group (EG) is exposed to the treatment, and the control group (CG) is not.					
1	 Measurements on both groups are made only after the treatment. 					
	Test units are not assigned at random.					
1	The treatment effect would be measured as $\partial_1 - \partial_2$.					
	44					

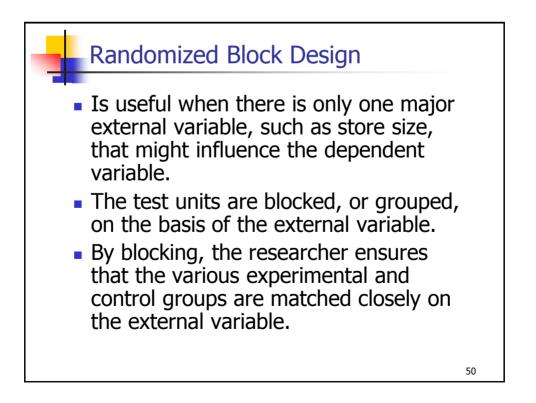




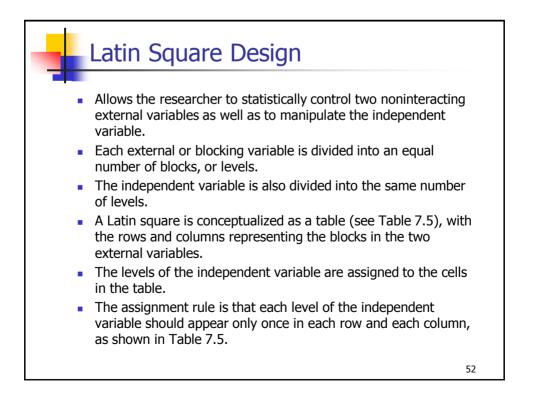


S	ources	of Inva	alidity	of Exp	erimen	tal Desig
	History	Matura tion	Test	Instru ment	regres sion	Selecti on
ХО	_	_				_
ОХО	_	_	_	_	?	
X 0 0	+	?	+	+	+	_

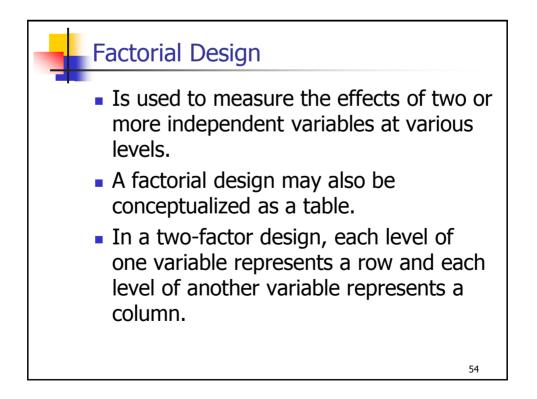




	Randomi Table 7.4	zed Block	Design	
	Store Patronage	T Commercial A	reatment Group Commercial B	
1 2 3 4	Heavy Medium Low None	A A A	B B B	C C C C
		(51

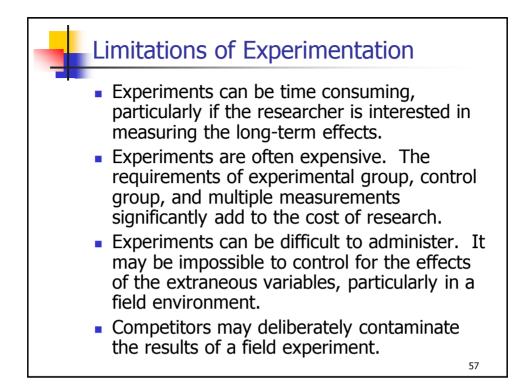


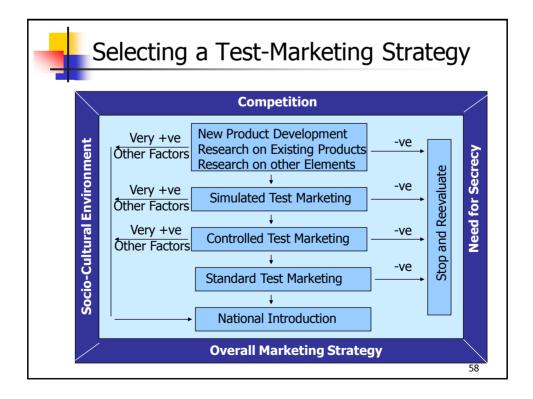
Store Patronage	High	Interest in the Store Medium	Low
Heavy Medium Low and none	B C A	A B C	C A B



	Design			
Table 7.6				
	A	mount of Hum	or	
Amount of Store	No	Medium	High	
Information	Humor	Humor	Humor	
Low	А	В	С	
Medium	D	E	F	
High	G	Н	Ι	
				55

Laboratory Table 7.7	versus Fie	eld Experiments
Factor	Laboratory	Field
Environment Control Reactive Error Demand Artifacts Internal Validity External Validity Time Number of Units Ease of Implementation Cost	Artificial High High High Low Short Small High Low	Realistic Low Low Low High Long Large Low High
		56





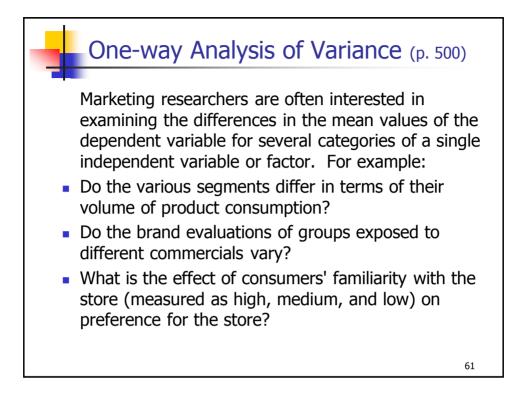


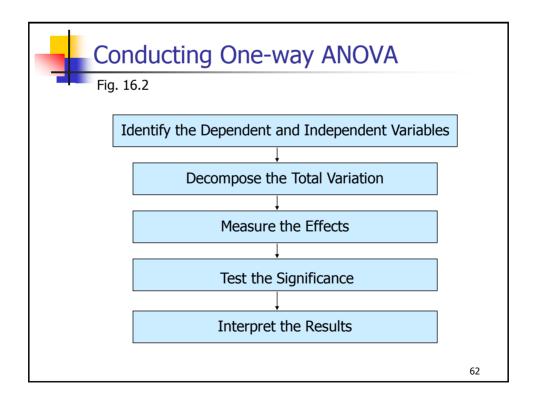
Test Markets should have the following qualities:

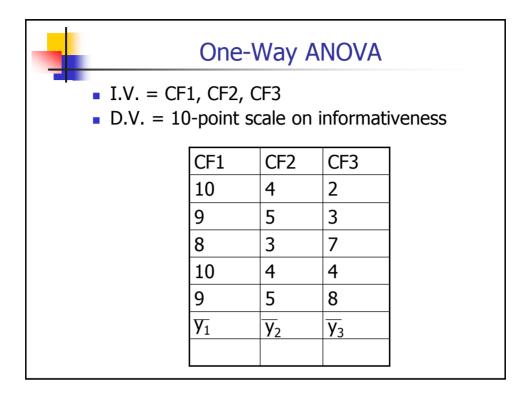
- 1) Be large enough to produce meaningful projections. They should contain at least 2% of the potential actual population.
- 2) Be representative demographically.
- 3) Be representative with respect to product consumption behavior.
- 4) Be representative with respect to media usage.
- 5) Be representative with respect to competition.
- 6) Be relatively isolated in terms of media and physical distribution.
- 7) Have normal historical development in the product class
- 8) Have marketing research and auditing services available
- 9) Not be over-tested

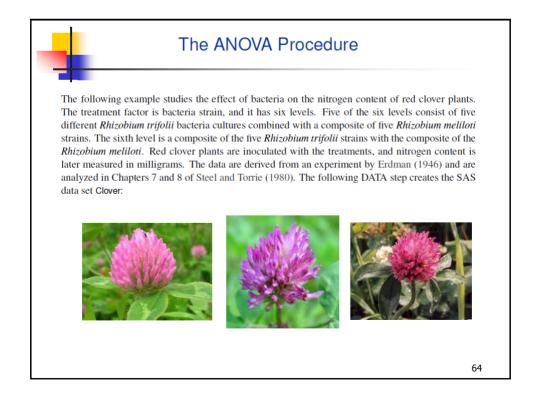
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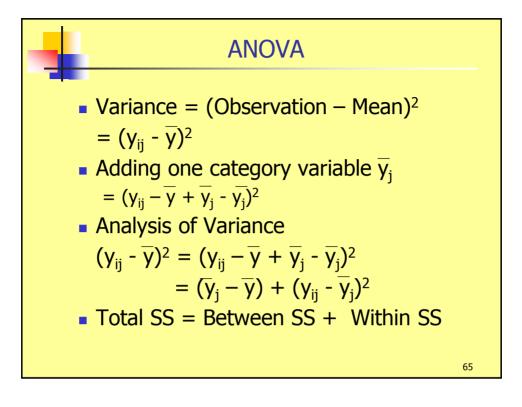
59

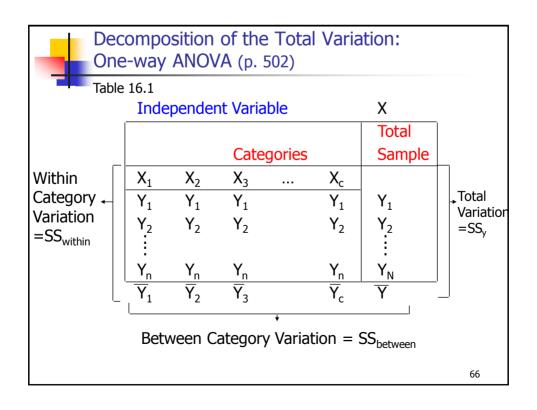


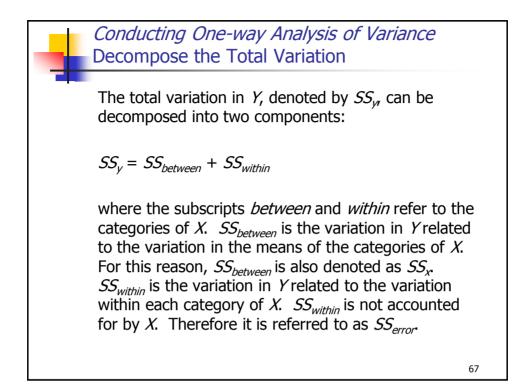


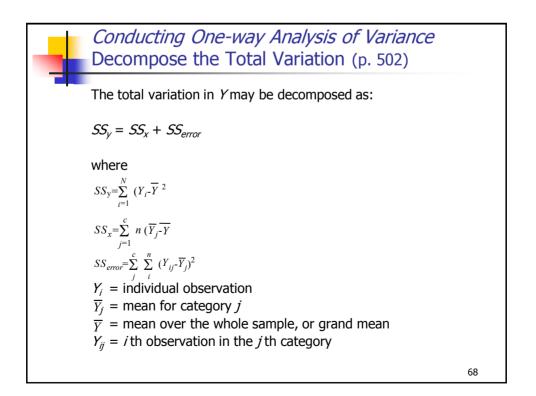














In analysis of variance, we estimate two measures of variation: within groups (SS_{within}) and between groups $(SS_{between})$. Thus, by comparing the *Y* variance estimates based on between-group and within-group variation, we can test the null hypothesis.

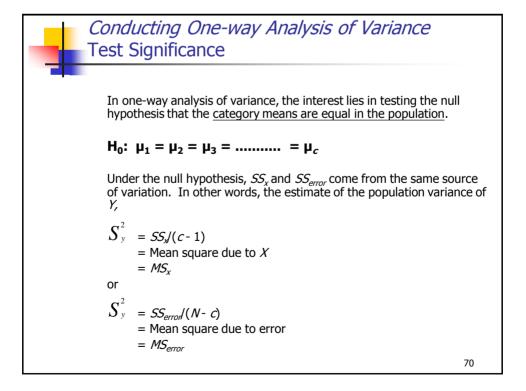
Measure the Effects

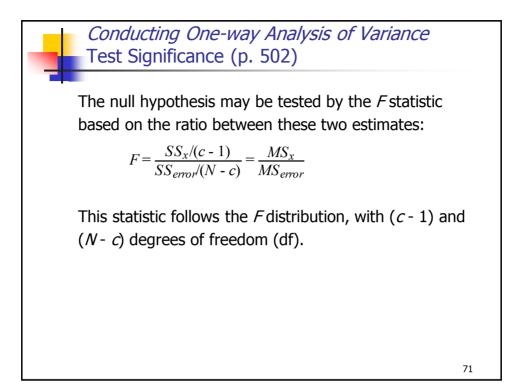
The strength of the effects of *X* on *Y* are measured as follows:

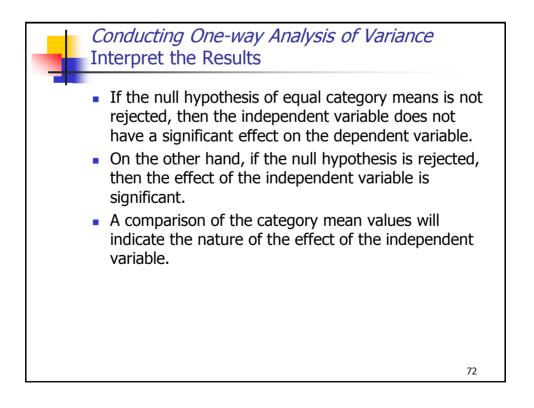
 $\eta^2 = SS_x/SS_v = (SS_v - SS_{error})/SS_v$

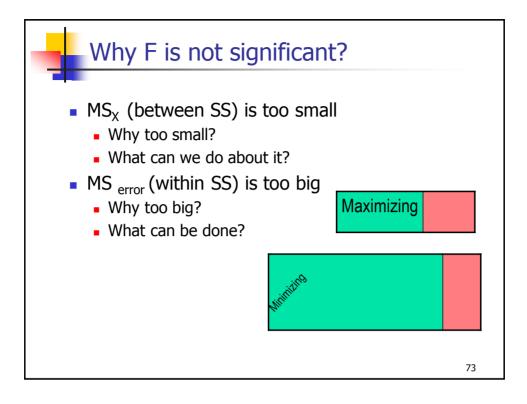
The value of η^2 varies between 0 and 1.

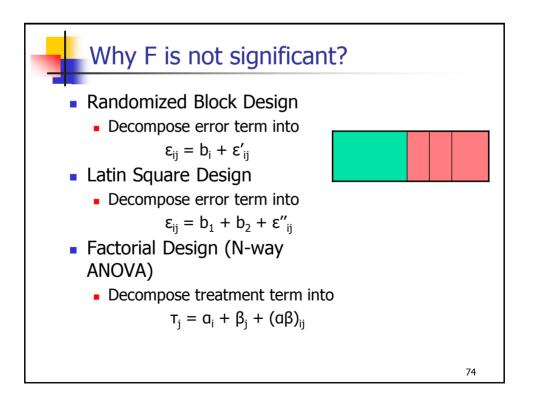
69

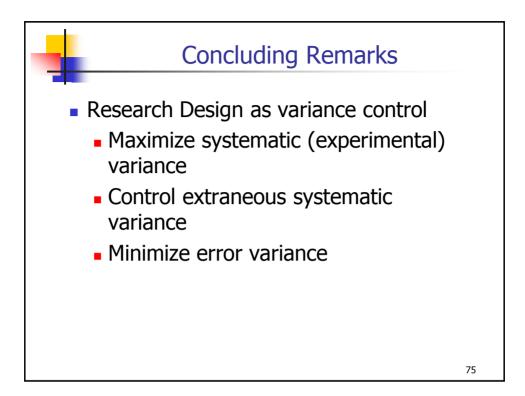












The ANOVA Pr	ocedure
title1 'Nitrogen Content of Red Clover	Plants';
data Clover;	
input Strain \$ Nitrogen @@;	
datalines;	
3DOK1 19.4 3DOK1 32.6 3DOK1 27.0 3D	
3DOK5 17.7 3DOK5 24.8 3DOK5 27.9 3D	
3DOK4 17.0 3DOK4 19.4 3DOK4 9.1 3D	
3DOK7 20.7 3DOK7 21.0 3DOK7 20.5 3D	
3DOK13 14.3 3DOK13 14.4 3DOK13 11.8 3D	
COMPOS 17.3 COMPOS 19.4 COMPOS 19.1 CO	DMPOS 16.9 COMPOS 20.8
;	
The veriable Strain contains the treatment levels, on	d the veriable Nitrogen contains the response
The variable Strain contains the treatment levels, and	u de variable Nidogen contains die response.
The following statements produce the analysis.	
proc anova data = Clover; class strain; model Nitrogen = Strain;	
run;	
	76
	76

