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	Week 10 and 11: Conjoint Analysis.
1.	Conjoint Analysis.
	1. Define a product as collection of attributes.
1	2. consumer react to number of alternatives (options)
	3. We come to know
	importance of each, attribute
	most desired level for a consumer - "IDEAL PRODUCT"
2.	forms of conjoint analysis.
	1. choice - Based conjoint analysis.
	chooses their most preferred product
	from set of options provided.
	example: pain-wise options given.
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	2. Adaptive conjoint analysis
	each consumer is asked different
1	set of questions which are dynamically
	decided based on mein responses.
	P-E-ST PER CONTROL STATE OF THE
100000000000000000000000000000000000000	3. full-profile conjoint analysis.
<u> </u>	full suite of options are presented to
	the consumer and their preference is
	soughted.
	4. Menu base conjoint analysis.
	consumer is shown list of attributes with prices.
	Then consumer chooses what they want.
	They need to pay attention on prices while
	making deusions.

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3	Applications of conjoint Analysis.
	1. Marketing - Highlight most preferred attribute.
	2. Product development - Refine attributes most preferred.
	2. Product development reveals customents with
	3. Pricing - conjoint Analysis reveals customeris http:
	4. Competitive Analysis competitors product attributes
_	The state of the s
	WTP - willingness to pay.
4.	Standard format for collecting data
	mathematical approach Statistical approach
	June and thomselves an in the second
_	Optimization memod linear regression
	J
	pair-wise preference ronking/rating
	Just 17139 Parties and Justine
	choice-based full-profile.
	Chora baseas
	same as 1.
5.	30me us 1.
	no of pair vise preferences = n(n-1) where n = no of product
<u>6.</u>	possible.
	= 4×(4-1)
,	= 6
,	
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7.	Objective function
	min Σ zjk
	the state of the s
	where zjk = function of poorners of fit.
. 13	selective asserts on our class the street of street
	the poomers of fit is because of violation with regards
	to wrong preferences made due to poor cognitive skills.
8.	Function of poorness = junction of squared distance between
	of At ideal product point and
	preferred product point
	O.I.
q.	options for nate/rank no. of no. of no. of options of options of x options options of x options op
-	no of no of
elita).	(in our case) = options in x options in x options in
	brands engine gearbox
	= 3 × 2 × 3
r	DAMAGE TO THE PARTY OF THE PART
	= 18
	The state of the s
10.	In statistical approach -> Linear Regression -> Ranking/Rating

[value of attributes] full profile are categorical

11.	for consumer to prefer 01, 01 should be dozen to
	Ideal product point x mon 02
	di < d2 for preference of lover 2
	THE PROPERTY OF THE PROPERTY O
14.	pair-wise preferences data based on consumer's evaluation.
	is going to be collected.
	.'. Choice-Based conjoint analysis.
1~	
13.	$no \cdot of pair = n(n-1)$ $n = no \cdot of product variants.$
	= 5 (s-1) 2
	a a
	= 10.
	Agord to another a transfer
14.	The customer is shown all possible combinations available.
y Turken	· full-profile wajoint analysis.
15.	Statistical approach -> Linear Regression (MRL)
	attributes level. (Ratings/Ranking (response variable)
	(explanatory
	variable)
	(San Gariera)
	7 1 1 (P) P-h
	Estimated (B) Betas -> R2 characterizes the consistency
- 11	(part worth)

of respondent (consumer)

(pour worth)