























An exercise to prove this assumption	
Does the assumption make sense?	✓
Collect data with respect to sample theory	(30 years of rainfall and casualties) ✓
Choose a statistical method / technique to discern inferences	Correlation
Develop model	Linear Regression
Can you verify the model in reality?	To be shown







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	Correlatio	n (4)	
The Res	sults of the co	rrelation matrix	
Correlation Matrix (R)			
Huma	n Casualties Annual	Rainfall (mm)	
Human Casualties	1.000	0.296	
Annual Rainfall (mm)	0.296	1.000	
So we conclude from relationship betweer assumption that rain greater than 0.8 wou correlation less than	plot and calcula the two variabl fall alone is "cau ld be described 0.5 would be de	tion, that there is a vession of the set of the set of the sing of the strong, whereas a strong, whereas a scribed as weak	weak elation
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Linear Regression (8)			
"Partial Regression			
Coefficients indicate			
how much the	Regression Coefficients		
dependent variable will	Source	Coefficient	Std
dependent variable will	4 Intercept	-43655.345	
change (per unit) if the 🚽	5 MAM	-3.118	
corresponding	Minor Irrigation Schemes		
indonondont variable is	6	-322.464	
independent variable is	Soil & Water Conservation	1004 000	
increased, if all other	Area Davelonment, Brearamme	1/91.300	
independent variables	Area Development Programme	1401.003	_



















purpose of this algorithm is to join together objects (e.g., animals) into successively larger clusters, using some n	neasure of s	imilarity or distance. A typic
german corea assumment	giz	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Factor Analysis and PCA for Ugand	a (1)	
The Poverty Factor		
From Factors4 Sorted 4		
391General government final consumption expenditure (constant 2000 US\$)	0.569	
863Poverty gap at rural poverty line (%)	0.619	
543Interest payments (current LCU)	0.627	
459Health expenditure, total (% of GDP)	0.628	
Now this "Factor" consists of several variables (above are some im have "coined" the name " Poverty Factor" , which has had the follo	portant wing pe	ones) and we rformance :
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Factor And	llysis and PCA for Ug	ganda (3)	
The Poverty Factor			
- Guided exercise: Regression analysis	(8 of 8)		
Very well! You have interpreted the t	able quite well.	(Crashart)	5 10
Looking at the table: Which of the s	tatements below would you consider to	558International migrant stock, total	0.000009
be correct? Please tick the correct ones.		993Public spending on education, total (% of GDP)	-0.18
Y The Deverty Faster is influenced me	ost by international migrants.	1018Repeaters, primary, male (% of male	-0.02
Increased migration seems to lead	to less poverty.	enrolment)	
X the Poverty Factor is initiative in the Increased migration seems to lead X Lowering education spending seem X ODA also seems to have an effect (lowering the factor).	to less poverty. Is to increase the poverty factor. (increased ODA from New Zealand ->	713Net bilateral aid flows from DAC donors, New Zealand (current US\$)	0.0000003



