BADJI MOKHTAR UNIVERSITY
FACULTY OF ECONOMICS AND MANAGEMENT SCIENCES
Department: Financial Sciences

Exercise Serie N01.
Data Analysis, Statistics, and Application on SPSS

Level: L3
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Exercise 2:

The following tables represent the output of an analysis of the relationship between countries and financial products using Factorial Correspondence Analysis (FCA):

Dimension	Inertia	Chi Square	Sig.
1	.028		
2	.021		
3	.005		
4	.002		
Total	.056	11.164	.799[a]

		Score in Dimension	
Financial Product	Mass	1	2
Loans	.230	.242	-.259
Bonds	.185	-.654	-.398
Insurance	.210	.523	.055
Deposits	.175	.065	-.099
Stocks	.200	-.279	.695

1. Calculate the proportion of variance explained by each of the four dimensions.
2. Can we rely on only one principal dimension? Justify your answer. insufficient to represent the overall structure.
3. Represent both countries and financial products on the same graph. What do you observe?
4. Is there a relationship between countries and financial products? Justify your answer.